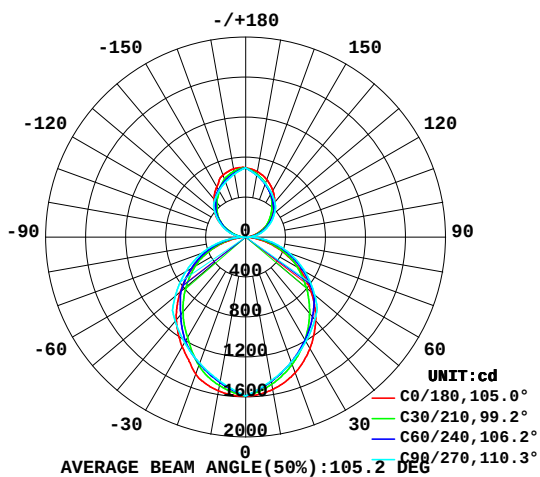


LUMINAIRE PHOTOMETRIC TEST REPORT

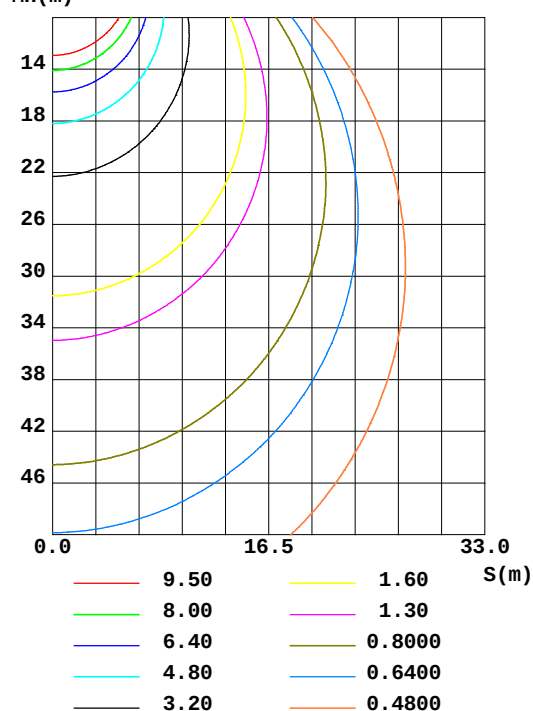
Test:U:119.2V I:0.4120A P:48.80W PF:0.9920 Lamp Flux:5930.24x1 lm					
NAME: NLUD-4334W			TYPE:上下发光 3000K		WEIGHT:
DIM.: 4FT			SPEC.:		SERIAL No.:YQ2105-29
MFR.: YQ			SUR.:		PROTECTION ANGLE:

DATA OF LAMP			PHOTOMETRIC DATA Eff: 121.52 lm/W		
MODEL		I _{max} (cd)	1591	S/MH(C0/180)	1.21
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.14
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5930.2	η UP, DN(C0-180)	14.9, 34.4
NOMINAL FLUX(lm)	5930.24	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	15.5, 35.2
LAMPS INSIDE	1	η up(%)	30.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	119.3	η down(%)	69.6	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



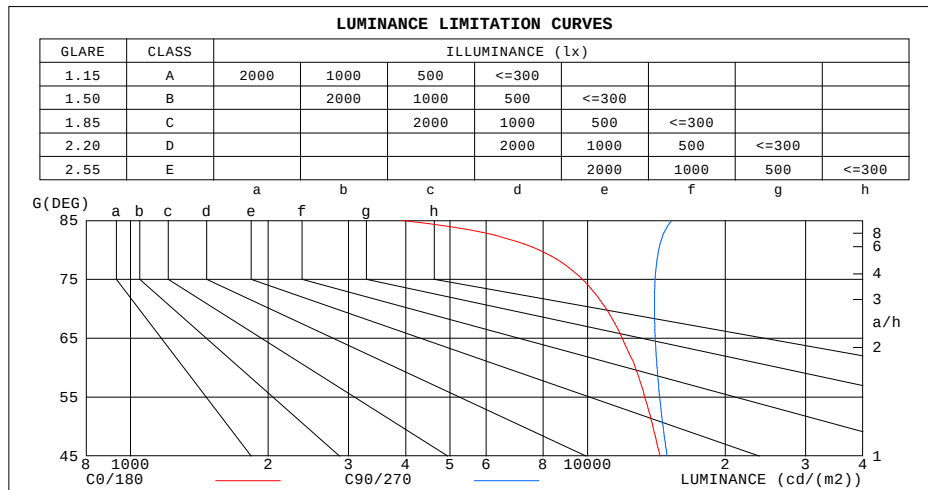
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 26.3DEG
 Operators: Ethan
 Test Date: 2021-09-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.268
 Humidity: 36%
 Test Distance: 6.770m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
5	1579	1539	1526	1544	1586	1545	1529	1541	0- 5	37.34	37.34	0.63, 0.63
10	1550	1479	1462	1488	1563	1491	1467	1483	5- 10	108.6	145.9	2.46, 2.46
15	1504	1412	1398	1425	1524	1429	1406	1419	10- 15	173.5	319.4	5.39, 5.39
20	1445	1339	1334	1355	1460	1358	1344	1349	15- 20	230.5	549.9	9.27, 9.27
25	1372	1262	1270	1266	1355	1265	1283	1275	20- 25	277.7	827.6	14, 14
30	1287	1182	1206	1151	1270	1164	1221	1198	25- 30	314.2	1142	19.3, 19.3
35	1193	1098	1141	1052	1178	1070	1160	1118	30- 35	341.2	1483	25, 25
40	1090	1014	1077	965.5	1081	983.7	1098	1036	35- 40	358.3	1841	31, 31
45	977.1	928.6	1013	881.1	971.4	901.8	1036	955.3	40- 45	365.5	2207	37.2, 37.2
50	858.0	842.5	902.6	791.6	855.4	818.4	921.4	875.2	45- 50	361.1	2568	43.3, 43.3
55	734.5	756.0	791.9	704.0	734.7	734.7	806.3	792.8	50- 55	342.4	2910	49.1, 49.1
60	610.4	635.9	681.2	593.5	610.2	617.9	691.3	667.7	55- 60	312.3	3223	54.3, 54.3
65	483.4	520.6	570.5	488.6	485.7	506.0	576.2	547.7	60- 65	273.2	3496	58.9, 58.9
70	360.9	409.5	459.9	385.3	361.8	397.4	461.1	431.7	65- 70	227.5	3723	62.8, 62.8
75	242.2	303.8	349.2	284.4	241.6	294.0	346.1	320.5	70- 75	177.6	3901	65.8, 65.8
80	130.6	202.2	238.5	186.4	127.5	193.9	231.0	213.3	75- 80	126.1	4027	67.9, 67.9
85	32.81	103.4	127.9	92.73	28.56	96.64	116.0	108.9	80- 85	74.62	4102	69.2, 69.2
90	0.8830	6.366	17.20	2.593	0.6347	1.195	0.9251	6.071	85- 90	25.71	4127	69.6, 69.6
95	3.258	45.15	62.46	43.88	45.18	48.24	51.53	45.92	90- 95	12.81	4140	69.8, 69.8
100	45.12	84.66	107.7	85.57	98.53	96.36	102.1	86.57	95-100	34.46	4175	70.4, 70.4
105	93.11	125.4	153.0	127.8	149.9	145.7	152.7	128.6	100-105	56.99	4232	71.4, 71.4
110	142.6	167.7	198.2	170.7	195.7	195.1	203.4	172.7	105-110	79.12	4311	72.7, 72.7
115	194.7	212.2	243.5	215.2	250.1	244.2	254.0	219.2	110-115	100.2	4411	74.4, 74.4
120	247.8	258.5	288.8	259.4	304.3	291.6	304.6	268.1	115-120	119.4	4530	76.4, 76.4
125	301.0	307.0	334.0	302.9	361.7	337.9	355.2	319.6	120-125	135.8	4666	78.7, 78.7
130	353.4	343.7	379.3	339.7	405.1	379.3	405.8	357.0	125-130	148.2	4814	81.2, 81.2
135	404.5	381.4	424.5	377.7	444.6	410.7	456.4	394.5	130-135	155.9	4970	83.8, 83.8
140	453.2	419.5	454.3	414.5	490.5	449.1	483.0	432.3	135-140	157.9	5128	86.5, 86.5
145	499.4	457.9	484.0	459.3	541.9	495.5	509.6	470.2	140-145	155.3	5283	89.1, 89.1
150	542.3	496.1	513.8	510.9	580.8	533.8	536.3	508.2	145-150	148.4	5432	91.6, 91.6
155	581.6	533.7	543.5	563.4	629.0	578.1	562.9	544.7	150-155	137.2	5569	93.9, 93.9
160	616.0	569.2	573.3	595.7	662.8	610.1	589.5	579.1	155-160	121.3	5690	96, 96
165	643.6	603.6	603.1	624.9	682.0	636.5	616.1	612.1	160-165	100.5	5791	97.7, 97.7
170	666.7	636.2	632.8	651.0	693.8	660.3	642.7	643.2	165-170	75.65	5867	98.9, 98.9
175	683.4	665.5	662.6	673.7	699.3	679.8	669.4	671.3	170-175	47.37	5914	99.7, 99.7
180	692.3	692.3	692.3	692.3	696.0	696.0	696.0	696.0	175-180	16.29	5930	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3922	15283
80	7832	14309
75	9749	14055
70	10991	14006
65	11914	14063
60	12717	14192
55	13339	14381
50	13904	14626
45	14394	14926

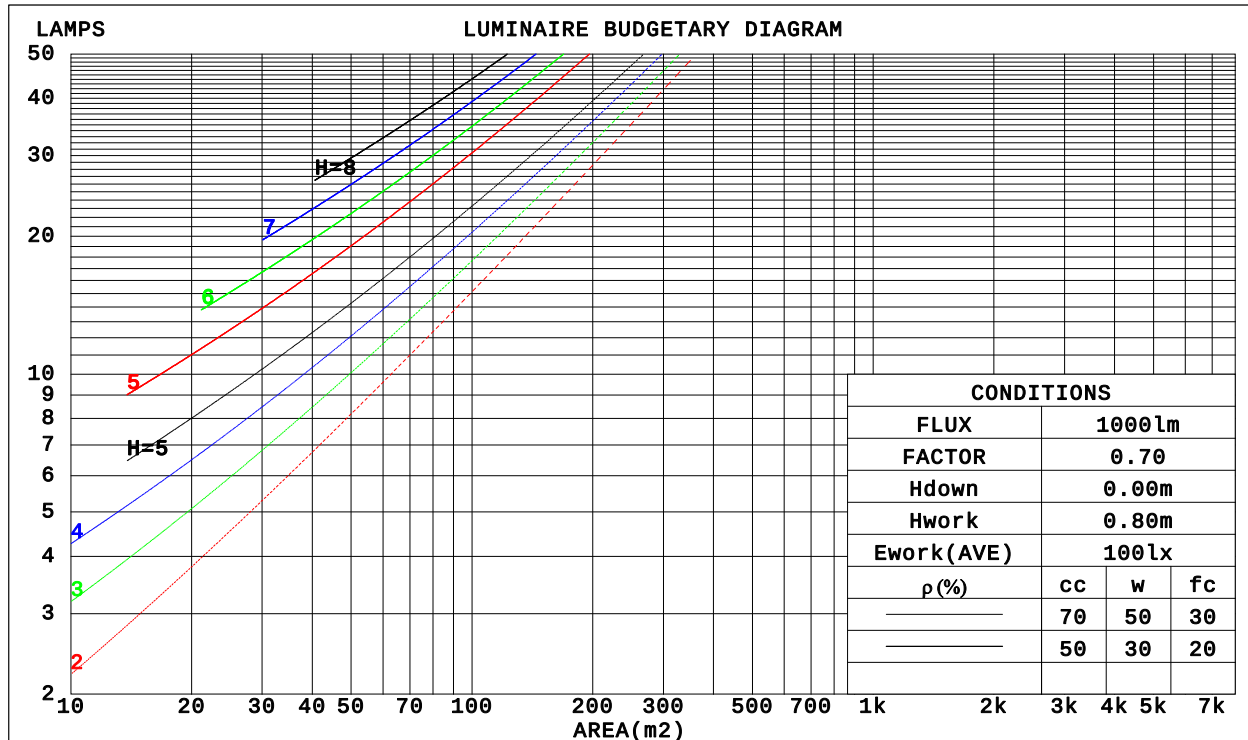
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 26.3DEG
Operators: Ethan
Test Date: 2021-09-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.268
Humidity: 36%
Test Distance: 6.770m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.2V I:0.4120A P:48.80W PF:0.9920 Lamp Flux:5930.24x1 lm		
NAME: NLUD-4334W	TYPE:上下发光 3000K	WEIGHT:
DIM.: 4FT	SPEC.:	SERIAL No.:YQ2105-29
MFR.: YQ	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.12	1.12	1.12	1.06	1.06	1.06	.94	.94	.94	.84	.84	.84	.74	.74	.74	.70
1.0	.97	.93	.89	.92	.88	.85	.82	.79	.77	.73	.71	.69	.65	.63	.62	.58
2.0	.85	.78	.73	.80	.74	.69	.72	.67	.63	.64	.61	.57	.57	.54	.52	.48
3.0	.74	.66	.60	.70	.63	.58	.63	.58	.53	.56	.52	.48	.50	.47	.44	.40
4.0	.66	.57	.51	.62	.55	.49	.56	.50	.45	.50	.45	.41	.45	.41	.38	.35
5.0	.59	.50	.44	.56	.48	.42	.50	.44	.39	.45	.40	.36	.40	.36	.33	.30
6.0	.53	.44	.38	.50	.42	.37	.45	.39	.34	.41	.35	.31	.37	.32	.29	.26
7.0	.48	.39	.33	.45	.38	.32	.41	.35	.30	.37	.32	.28	.33	.29	.26	.23
8.0	.43	.35	.30	.41	.34	.29	.38	.31	.27	.34	.29	.25	.31	.26	.23	.21
9.0	.40	.32	.27	.38	.31	.26	.34	.28	.24	.31	.26	.22	.28	.24	.21	.19
10.0	.36	.29	.24	.35	.28	.23	.32	.26	.22	.29	.24	.20	.26	.22	.19	.17



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:26.3DEG
 Operators:Ethan
 Test Date:2021-09-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
 Humidity:36%
 Test Distance:6.770m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.2V I:0.4120A P:48.80W PF:0.9920 Lamp Flux:5930.24x1 lm					
NAME: NLUD-4334W			TYPE:上下发光 3000K		WEIGHT:
DIM.: 4FT			SPEC.:		SERIAL No.:YQ2105-29
MFR.: YQ			SUR.:		PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.298	.169	.054	.282	.161	.051	.251	.144	.046	.223	.129	.041	.198	.115	.037		
2.0	.277	.152	.047	.262	.144	.045	.235	.131	.041	.209	.117	.037	.186	.105	.033		
3.0	.255	.136	.041	.242	.130	.039	.217	.118	.036	.194	.106	.033	.172	.095	.030		
4.0	.235	.122	.036	.223	.117	.035	.200	.106	.032	.179	.096	.029	.159	.087	.026		
5.0	.218	.111	.032	.207	.106	.031	.186	.097	.028	.166	.088	.026	.148	.079	.024		
6.0	.202	.101	.029	.192	.097	.028	.173	.088	.026	.155	.080	.024	.138	.073	.022		
7.0	.188	.093	.026	.179	.089	.025	.161	.081	.023	.144	.074	.022	.129	.067	.020		
8.0	.176	.086	.024	.167	.082	.023	.151	.075	.022	.135	.069	.020	.121	.062	.018		
9.0	.165	.080	.022	.157	.076	.021	.142	.070	.020	.127	.064	.018	.114	.058	.017		
10.0	.155	.074	.021	.148	.071	.020	.133	.065	.018	.120	.060	.017	.107	.054	.016		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.422	.422	.422	.361	.361	.361	.246	.246	.246	.141	.141	.141	.045	.045	.045	
1.0	.413	.390	.369	.353	.335	.317	.242	.230	.220	.139	.133	.128	.045	.043	.041	
2.0	.405	.367	.335	.347	.316	.290	.238	.219	.202	.137	.127	.118	.044	.041	.039	
3.0	.398	.351	.313	.341	.302	.271	.234	.210	.190	.135	.123	.112	.043	.040	.037	
4.0	.391	.338	.298	.335	.292	.259	.231	.204	.182	.133	.119	.108	.043	.039	.035	
5.0	.384	.328	.287	.330	.284	.250	.227	.198	.176	.132	.117	.105	.042	.038	.035	
6.0	.377	.321	.280	.324	.278	.244	.224	.194	.172	.130	.114	.102	.042	.037	.034	
7.0	.371	.314	.274	.319	.272	.239	.220	.191	.169	.128	.112	.101	.041	.037	.033	
8.0	.365	.309	.270	.314	.268	.235	.217	.188	.167	.126	.111	.100	.041	.036	.033	
9.0	.359	.304	.267	.309	.264	.233	.214	.185	.165	.125	.110	.099	.040	.036	.033	
10.0	.354	.300	.264	.305	.261	.230	.212	.183	.164	.123	.108	.098	.040	.036	.032	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks:

Uncorrected UGR Table

Test:U:119.2V I:0.4120A P:48.80W PF:0.9920 Lamp Flux:5930.24x1 lm											
NAME: NLUD-4334W					TYPE:上下发光 3000K			WEIGHT:			
DIM.: 4FT					SPEC.:			SERIAL No.:YQ2105-29			
MFR.: YQ					SUR.:			PROTECTION ANGLE:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	19.6	20.7	20.2	21.4	22.1	20.4	21.6	21.1	22.2	23.0	
	3H	20.9	21.9	21.5	22.6	23.4	22.1	23.1	22.8	23.8	24.6
	4H	21.3	22.3	22.0	23.0	23.8	22.9	23.8	23.5	24.5	25.3
	6H	21.6	22.5	22.3	23.2	24.0	23.5	24.4	24.2	25.1	25.9
	8H	21.6	22.5	22.3	23.2	24.1	23.7	24.6	24.4	25.3	26.2
	12H	21.6	22.4	22.3	23.1	24.0	23.9	24.7	24.7	25.5	26.4
4H	2H	20.2	21.2	20.9	21.9	22.7	20.9	21.8	21.6	22.5	23.4
	3H	21.7	22.5	22.4	23.3	24.1	22.7	23.6	23.5	24.3	25.2
	4H	22.3	23.0	23.0	23.8	24.7	23.6	24.4	24.4	25.1	26.0
	6H	22.7	23.3	23.4	24.1	25.0	24.4	25.0	25.2	25.8	26.8
	8H	22.7	23.3	23.5	24.1	25.1	24.7	25.3	25.5	26.1	27.1
	12H	22.7	23.3	23.5	24.1	25.1	25.0	25.5	25.8	26.3	27.3
8H	4H	22.6	23.2	23.4	24.0	25.0	23.8	24.4	24.6	25.2	26.2
	6H	23.2	23.7	24.0	24.5	25.5	24.7	25.2	25.6	26.1	27.1
	8H	23.4	23.8	24.2	24.7	25.7	25.2	25.6	26.0	26.4	27.5
	12H	23.5	23.8	24.3	24.7	25.7	25.5	25.9	26.4	26.8	27.8
12H	4H	22.7	23.2	23.5	24.0	25.0	23.8	24.3	24.6	25.1	26.1
	6H	23.3	23.7	24.1	24.6	25.6	24.8	25.2	25.6	26.0	27.1
	8H	23.5	23.9	24.4	24.8	25.8	25.2	25.6	26.1	26.5	27.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2					

CIE Pub.117 Corrected 5930 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.2)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.2V I:0.4120A P:48.80W PF:0.9920 Lamp Flux:5930.24x1 lm		
NAME: NLUD-4334W	TYPE:上下发光 3000K	WEIGHT:
DIM.: 4FT	SPEC.:	SERIAL No.:YQ2105-29
MFR.: YQ	SUR.:	PROTECTION ANGLE:

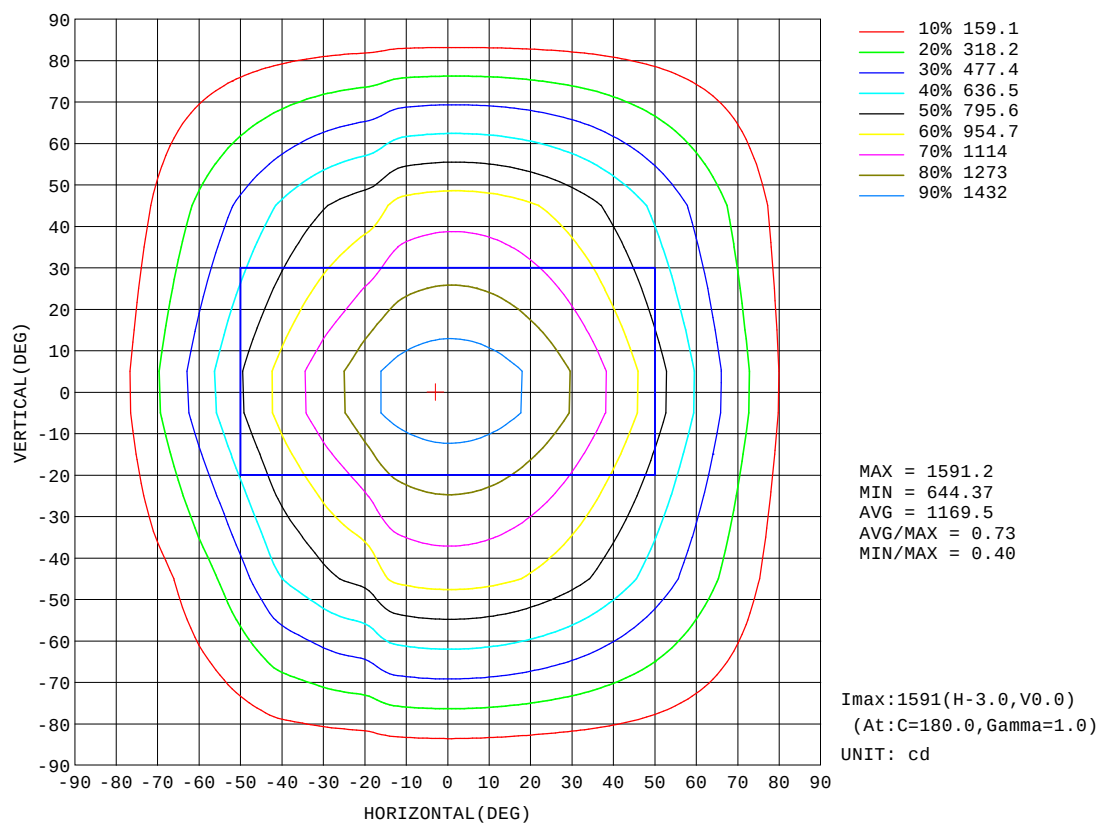
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	38	31	47	37	31	44	35	30	22
0.80	59	47	40	56	46	39	52	43	37	29
1.00	67	55	48	64	54	47	59	52	44	34
1.25	74	63	56	70	61	54	64	56	51	39
1.50	79	68	61	75	66	59	68	61	55	43
2.00	86	77	70	82	74	67	74	68	63	48
2.50	90	82	75	86	78	72	77	71	67	51
3.00	94	86	80	89	82	77	80	75	71	54
4.00	98	92	87	93	87	83	83	79	76	57
5.00	100	95	91	95	90	87	85	82	79	60
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:119.2V I:0.4120A P:48.80W PF:0.9920 Lamp Flux:5930.24x1 lm		
NAME: NLUD-4334W	TYPE:上下发光 3000K	WEIGHT:
DIM.: 4FT	SPEC.:	SERIAL No.:YQ2105-29
MFR.: YQ	SUR.:	PROTECTION ANGLE:



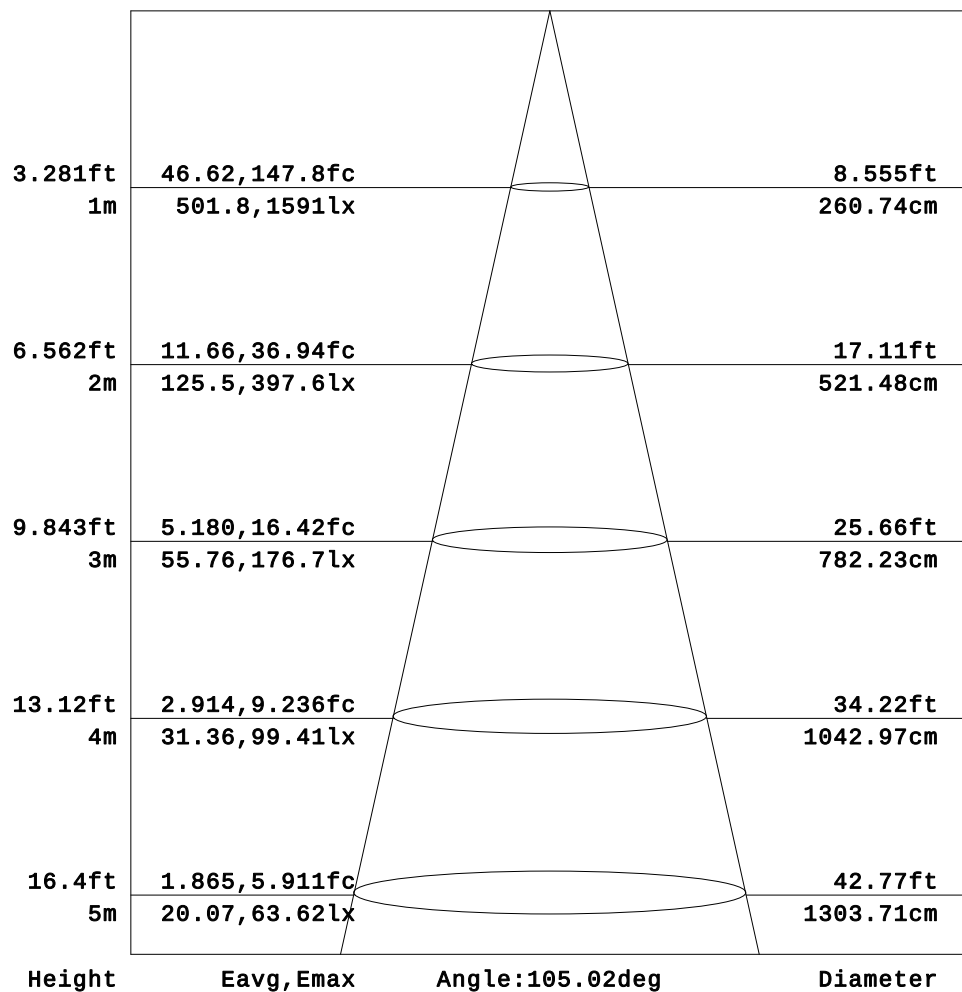
C Range: 0 - 360DEG
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Test Speed: HIGH
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γ Range: 0 - 180DEG
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Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.268
Humidity:36%
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Remarks:

AAI Figure

Test:U:119.2V I:0.4120A P:48.80W PF:0.9920 Lamp Flux:5930.24x1 lm		
NAME: NLUD-4334W	TYPE:上下发光 3000K	WEIGHT:
DIM.: 4FT	SPEC.:	SERIAL No.:YQ2105-29
MFR.: YQ	SUR.:	PROTECTION ANGLE:

Flux out:2776 lm



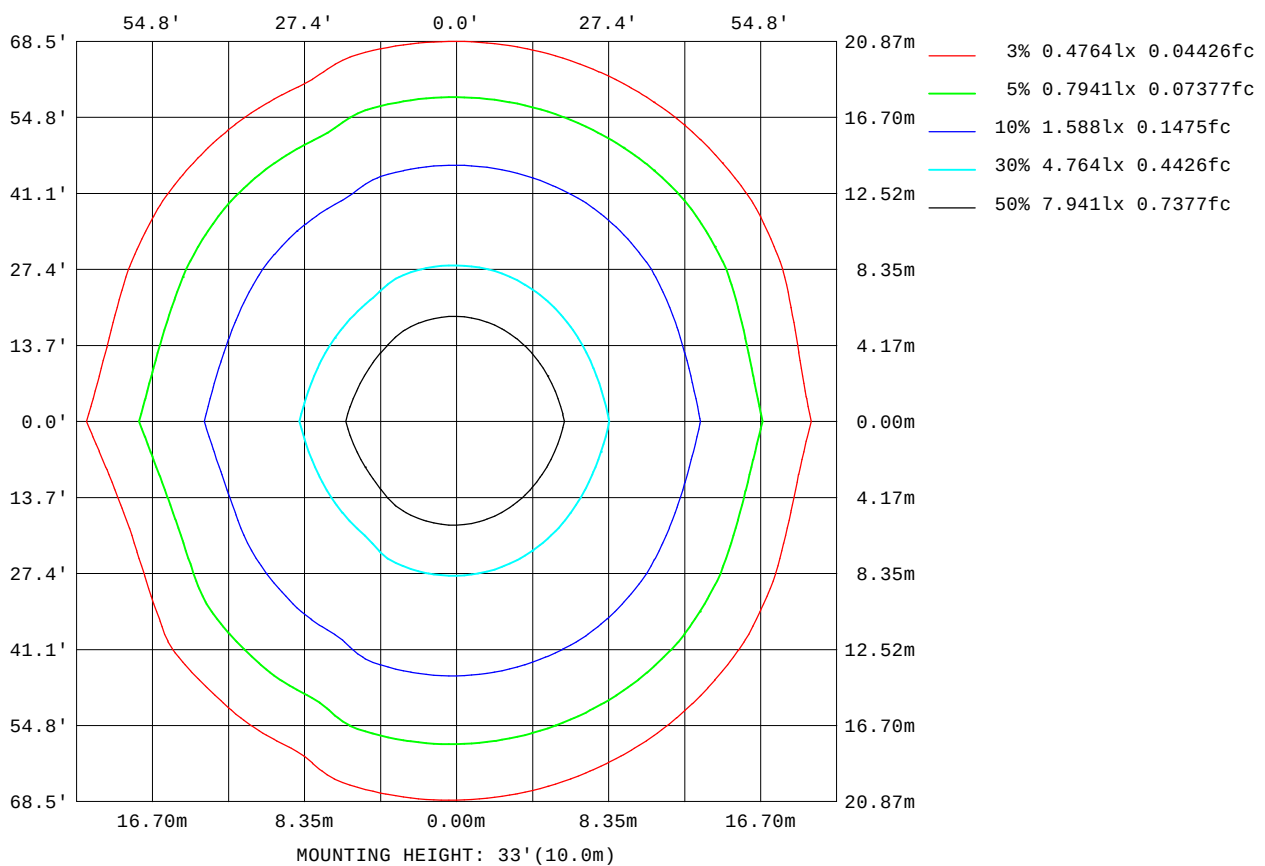
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

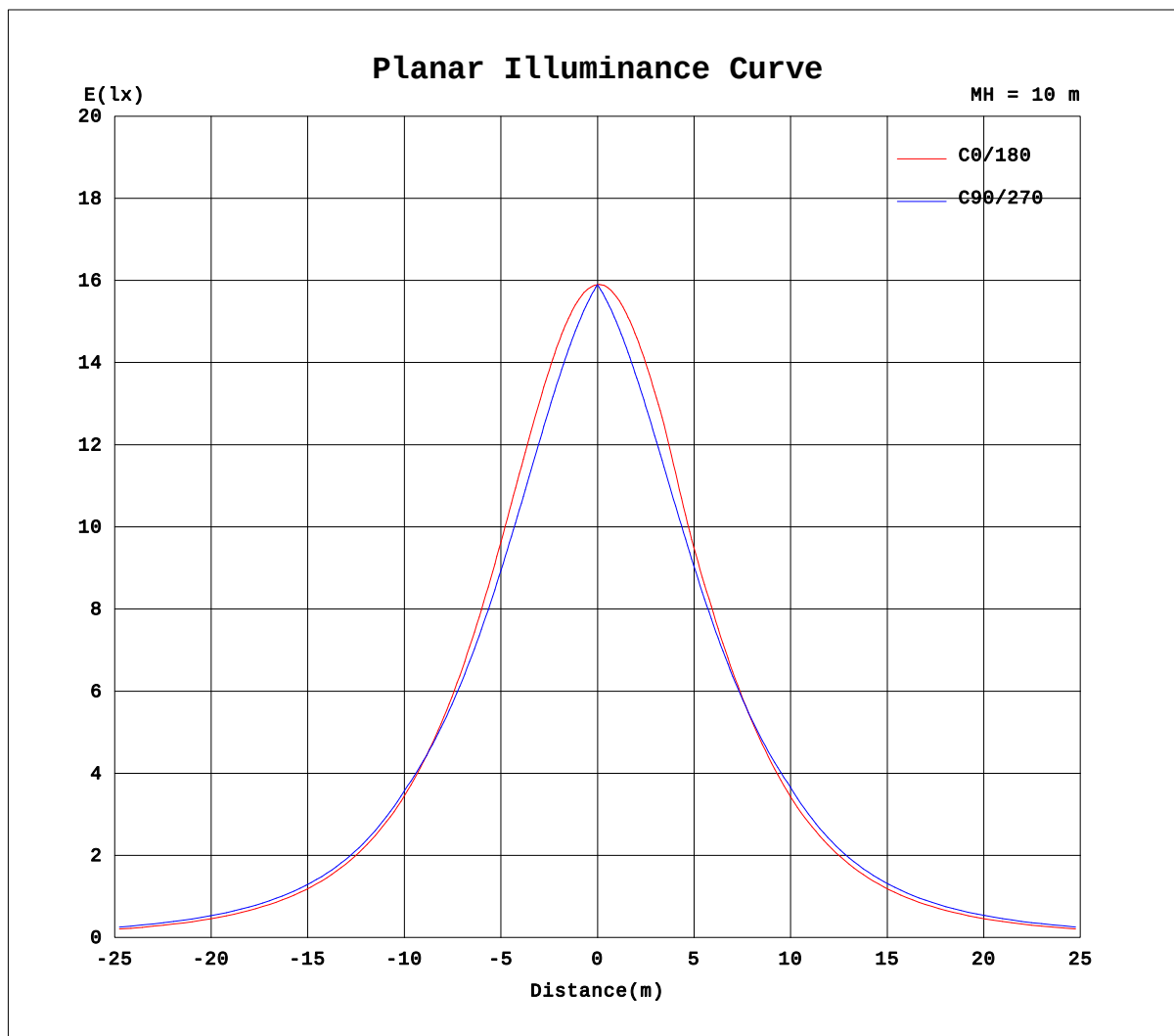
Test:U:119.2V I:0.4120A P:48.80W PF:0.9920 Lamp Flux:5930.24x1 lm		
NAME: NLUD-4334W	TYPE:上下发光 3000K	WEIGHT:
DIM.: 4FT	SPEC.:	SERIAL No.:YQ2105-29
MFR.: YQ	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 26.3DEG
Operators: Ethan
Test Date: 2021-09-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.268
Humidity: 36%
Test Distance: 6.770m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 26.3DEG
Operators: Ethan
Test Date: 2021-09-09

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.268
Humidity: 36%
Test Distance: 6.770m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.2V I:0.4120A P:48.80W PF:0.9920 Lamp Flux:5930.24x1 lm																	
NAME: NLUD-4334W									TYPE:上下发光 3000K						WEIGHT:		
DIM.: 4FT									SPEC.:						SERIAL No.:YQ2105-29		
MFR.: YQ									SUR.:						PROTECTION ANGLE:		

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590
5	1579	1573	1568	1563	1558	1554	1549	1546	1542	1539	1536	1533	1531	1529	1528	1527	1526	1526	1526
10	1550	1539	1529	1519	1511	1503	1495	1489	1483	1479	1475	1471	1468	1466	1464	1463	1462	1462	1462
15	1504	1489	1474	1462	1450	1440	1431	1424	1418	1412	1408	1404	1402	1400	1399	1398	1397	1397	1398
20	1445	1425	1407	1392	1378	1367	1357	1350	1344	1339	1336	1334	1333	1332	1332	1332	1332	1333	1334
25	1372	1348	1328	1311	1297	1285	1277	1270	1265	1262	1261	1261	1262	1263	1264	1266	1267	1268	1270
30	1287	1260	1238	1219	1205	1195	1188	1184	1182	1182	1183	1186	1189	1192	1196	1199	1202	1204	1206
35	1193	1163	1138	1120	1107	1098	1094	1093	1095	1098	1104	1109	1115	1121	1127	1132	1136	1140	1141
40	1090	1057	1032	1014	1002	997	996	1000	1006	1014	1022	1032	1042	1051	1059	1066	1071	1075	1077
45	977	943	918	902	894	893	896	904	915	929	942	955	968	980	991	999	1006	1011	1013
50	858	822	799	786	782	786	794	808	824	842	862	879	887	890	894	896	899	901	903
55	734	699	678	669	670	679	694	713	735	756	762	767	771	776	780	784	787	790	792
60	610	576	557	553	560	575	596	621	628	636	644	652	657	663	668	673	676	679	681
65	483	450	438	441	455	476	494	503	511	521	529	538	545	551	557	561	565	569	571
70	361	331	324	335	356	369	379	389	400	409	419	427	434	440	446	451	455	458	460
75	242	217	219	238	251	263	274	285	295	304	312	319	325	330	336	340	344	347	349
80	131	113	128	142	156	168	178	187	195	202	208	213	218	222	226	230	234	237	239
85	32.8	29.2	49.3	64.5	74.7	82.8	89.4	94.8	99.5	103	107	109	112	114	117	121	124	126	128
90	0.88	1.43	1.55	2.24	3.25	4.24	5.07	5.74	6.21	6.37	6.22	5.96	5.82	6.81	8.57	10.9	13.5	15.8	17.2
95	3.26	7.66	19.8	27.4	32.0	35.9	38.8	41.3	43.5	45.2	46.4	47.4	48.4	50.2	52.6	55.4	58.3	60.8	62.5
100	45.1	42.3	52.0	59.0	64.4	69.9	74.3	78.3	81.8	84.7	87.1	89.1	91.2	93.8	96.8	100	103	106	108
105	93.1	85.5	88.8	97.5	103	108	113	118	122	125	129	132	135	138	141	145	148	151	153
110	143	132	131	137	146	151	155	159	164	168	172	175	179	182	186	190	193	196	198
115	195	182	178	179	185	194	201	205	208	212	216	220	223	227	231	235	239	241	244
120	248	234	227	226	228	235	243	252	255	258	262	266	269	273	277	281	284	286	289
125	301	286	278	274	274	278	283	291	299	307	310	313	316	319	323	326	329	332	334
130	353	339	329	323	321	322	325	331	337	344	351	359	363	366	369	372	375	377	379
135	404	390	379	372	368	368	369	372	376	381	387	393	399	405	411	415	419	422	425
140	453	439	428	420	415	413	412	414	416	420	424	428	433	437	442	446	449	452	454
145	499	486	476	467	461	458	456	455	456	458	460	463	467	470	473	477	479	482	484
150	542	530	520	512	506	501	498	496	496	496	497	499	500	503	505	508	510	512	514
155	582	571	562	554	547	542	539	536	534	534	533	533	534	535	537	539	540	542	544
160	616	607	599	592	586	581	577	574	571	569	568	568	568	568	569	570	571	572	573
165	644	637	630	625	620	615	611	608	606	604	602	601	601	600	600	600	601	602	603
170	667	662	657	653	649	646	643	640	638	636	634	633	633	631	631	631	631	632	633
175	683	681	678	676	674	672	670	668	667	666	665	664	663	662	662	662	662	662	663
180	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.2V I:0.4120A P:48.80W PF:0.9920 Lamp Flux:5930.24x1 lm		
NAME: NLUD-4334W	TYPE:上下发光 3000K	WEIGHT:
DIM.: 4FT	SPEC.:	SERIAL No.:YQ2105-29
MFR.: YQ	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590
5	1527	1528	1529	1531	1533	1535	1537	1540	1544	1547	1551	1555	1560	1564	1569	1575	1580	1586	1580
10	1463	1465	1466	1469	1471	1475	1478	1483	1488	1493	1500	1507	1514	1523	1532	1542	1552	1563	1553
15	1399	1401	1402	1405	1407	1411	1414	1419	1425	1431	1439	1447	1457	1468	1480	1493	1508	1524	1508
20	1335	1336	1338	1339	1341	1344	1346	1350	1355	1360	1363	1370	1378	1389	1402	1418	1438	1460	1438
25	1271	1272	1272	1273	1273	1274	1275	1272	1266	1260	1256	1259	1266	1276	1290	1308	1329	1355	1331
30	1207	1207	1206	1205	1204	1202	1189	1169	1151	1147	1147	1152	1162	1176	1193	1214	1240	1270	1242
35	1142	1142	1140	1137	1134	1115	1080	1057	1052	1051	1054	1060	1069	1079	1095	1117	1145	1178	1147
40	1078	1077	1073	1069	1055	1009	974	968	966	963	962	961	967	977	993	1016	1045	1081	1047
45	1013	1012	1007	1001	962	902	891	888	881	870	864	863	867	874	885	904	932	971	936
50	904	904	903	899	844	812	816	807	792	779	771	766	759	750	757	777	809	855	818
55	793	793	791	776	717	709	714	710	704	692	679	652	628	619	625	646	682	735	697
60	682	681	679	655	607	608	607	598	594	592	569	527	499	489	494	515	554	610	573
65	571	570	567	537	503	505	501	492	489	478	439	404	375	364	371	390	427	486	450
70	460	458	455	423	403	403	397	390	385	360	326	294	268	253	254	270	305	362	329
75	349	347	343	315	303	302	295	290	284	257	229	203	183	163	148	168	195	242	213
80	238	236	232	210	203	202	197	194	186	166	146	127	112	95.9	87.6	82.9	95.6	128	106
85	128	125	121	108	104	102	99.9	98.0	92.7	81.8	70.9	61.5	53.1	44.5	40.5	32.8	19.9	28.6	22.9
90	16.8	14.4	10.9	7.07	4.31	3.56	3.57	3.24	2.59	1.92	1.21	0.98	0.95	0.91	0.87	0.82	0.71	0.63	1.39
95	62.4	60.4	57.4	50.7	44.6	44.6	44.6	44.6	43.9	43.5	41.2	41.1	41.6	41.3	41.4	39.3	34.4	45.2	35.0
100	108	106	104	95.3	84.9	85.6	85.8	86.3	85.6	85.9	82.3	82.0	83.1	83.9	84.9	87.1	83.8	98.5	78.5
105	154	153	151	142	125	127	127	128	128	129	127	124	126	130	133	129	134	150	126
110	199	199	197	190	166	168	169	170	171	172	173	168	171	175	174	174	182	196	171
115	245	245	244	241	209	208	211	213	215	216	221	220	214	215	217	221	231	250	226
120	290	291	291	290	256	249	254	256	259	261	265	265	260	256	261	270	283	304	283
125	336	337	338	338	311	290	295	300	303	305	302	302	303	304	308	316	330	362	340
130	381	383	384	386	375	335	334	339	340	341	343	342	344	349	355	363	377	405	387
135	426	427	428	427	425	390	373	374	378	379	382	385	389	393	401	412	427	445	431
140	456	457	458	458	458	449	420	414	415	419	422	427	433	440	449	460	473	491	477
145	486	488	489	490	490	491	480	462	459	459	462	468	475	483	493	506	520	542	528
150	516	517	519	521	522	524	525	521	511	508	511	513	517	525	534	546	560	581	568
155	545	547	549	551	553	555	558	561	563	563	562	564	570	578	588	597	609	629	618
160	575	577	579	581	584	586	589	592	596	600	605	610	616	621	628	637	647	663	653
165	605	606	608	610	612	615	618	621	625	629	634	638	644	649	656	663	670	682	675
170	634	635	637	639	641	643	645	648	651	655	658	662	666	670	675	680	685	694	689
175	663	664	665	666	667	668	670	672	674	676	678	680	682	685	687	690	692	699	697
180	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	692	696	696

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.2V I:0.4120A P:48.80W PF:0.9920 Lamp Flux:5930.24x1 lm		
NAME: NLUD-4334W	TYPE:上下发光 3000K	WEIGHT:
DIM.: 4FT	SPEC.:	SERIAL No.:YQ2105-29
MFR.: YQ	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C(°) γ (°)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590
5	1575	1570	1565	1561	1556	1552	1549	1545	1542	1540	1537	1535	1533	1532	1530	1529	1529	1529	1529
10	1543	1533	1524	1516	1509	1502	1496	1491	1486	1482	1479	1476	1473	1471	1470	1468	1467	1467	1467
15	1493	1480	1469	1458	1450	1442	1435	1429	1424	1419	1416	1413	1411	1409	1408	1407	1406	1405	1405
20	1419	1404	1390	1378	1369	1363	1360	1358	1356	1353	1351	1349	1347	1347	1346	1345	1344	1343	1343
25	1311	1294	1282	1274	1268	1263	1263	1265	1272	1279	1282	1283	1283	1283	1283	1283	1283	1282	1281
30	1218	1198	1182	1170	1162	1160	1162	1164	1172	1187	1205	1214	1217	1219	1221	1221	1221	1220	1219
35	1122	1102	1088	1079	1071	1067	1066	1070	1077	1087	1112	1140	1150	1154	1157	1159	1160	1159	1156
40	1021	1001	987	980	976	978	980	984	990	998	1014	1053	1083	1090	1094	1097	1098	1097	1094
45	910	893	883	879	879	885	892	902	910	918	926	958	1009	1025	1031	1035	1036	1035	1032
50	793	778	772	774	781	792	804	818	832	843	844	850	899	919	920	921	921	921	922
55	673	662	660	668	680	698	717	735	737	738	736	735	772	802	804	806	806	806	806
60	553	547	551	564	582	605	612	618	624	627	628	627	650	686	689	691	691	691	690
65	434	434	446	465	481	489	498	506	513	519	521	521	533	569	574	576	576	576	575
70	320	328	347	359	368	378	388	397	405	411	415	416	422	453	459	461	461	461	460
75	213	230	243	254	265	275	285	294	301	306	310	312	315	338	344	346	346	346	346
80	118	135	149	161	171	179	187	194	199	204	207	208	209	225	230	231	231	231	231
85	44.1	60.3	70.7	78.3	84.2	89.0	92.9	96.6	99.6	102	104	104	105	113	115	116	116	116	116
90	1.49	1.54	1.57	1.54	1.50	1.38	1.29	1.19	1.08	0.96	0.93	0.88	0.85	0.87	0.91	0.94	0.93	1.01	1.57
95	33.9	33.6	34.1	36.6	38.8	41.3	44.7	48.2	48.5	47.1	47.5	48.4	49.3	52.5	52.4	52.0	51.5	51.1	50.9
100	72.1	67.4	70.0	74.0	77.8	82.9	89.7	96.4	95.9	93.6	93.9	96.1	98.3	104	104	103	102	101	100
105	112	109	112	116	121	128	138	146	143	141	140	144	148	156	155	154	153	151	150
110	159	157	159	163	169	179	190	195	190	191	188	192	200	208	207	205	203	201	199
115	209	206	208	214	225	235	247	244	237	240	237	240	253	259	258	256	254	252	249
120	270	262	260	266	278	298	300	292	286	285	288	289	308	311	310	307	305	302	299
125	324	315	313	317	328	339	341	338	343	334	339	342	364	363	361	358	355	352	349
130	375	366	363	369	371	372	372	379	377	386	389	401	417	415	412	409	406	403	399
135	423	417	411	409	409	407	412	411	415	424	428	452	461	462	461	459	456	453	448
140	468	461	456	451	448	451	446	449	458	459	472	488	489	489	488	486	483	480	475
145	516	506	500	495	489	486	490	495	495	502	515	517	517	516	515	512	510	507	503
150	556	546	539	536	537	538	536	534	538	545	546	545	544	543	541	539	536	534	530
155	608	601	594	588	581	577	577	578	578	576	575	573	571	569	567	565	563	561	558
160	644	636	630	625	621	617	614	610	607	605	602	600	598	596	593	592	589	588	586
165	669	663	658	653	648	644	640	637	633	630	628	626	624	621	620	618	616	615	614
170	685	681	677	673	669	666	663	660	657	655	653	650	648	647	645	644	643	642	641
175	695	692	690	688	685	683	681	680	678	677	675	674	673	672	671	670	669	669	669
180	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.2V I:0.4120A P:48.80W PF:0.9920 Lamp Flux:5930.24x1 lm																	
NAME: NLUD-4334W									TYPE:上下发光 3000K						WEIGHT:		
DIM.: 4FT									SPEC.:						SERIAL No.:YQ2105-29		
MFR.: YQ									SUR.:						PROTECTION ANGLE:		

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590				
5	1529	1530	1531	1533	1535	1538	1541	1544	1547	1551	1555	1559	1564	1568	1573				
10	1468	1469	1471	1473	1476	1479	1483	1487	1492	1498	1505	1513	1521	1530	1539				
15	1406	1407	1408	1409	1412	1415	1419	1424	1429	1436	1444	1453	1464	1476	1490				
20	1343	1343	1343	1344	1345	1346	1349	1353	1358	1364	1373	1383	1396	1410	1427				
25	1280	1278	1277	1275	1274	1274	1275	1277	1280	1286	1294	1304	1316	1331	1350				
30	1216	1214	1210	1206	1203	1200	1198	1197	1197	1200	1205	1213	1226	1242	1262				
35	1153	1148	1143	1136	1130	1124	1118	1113	1109	1109	1111	1118	1128	1144	1165				
40	1090	1083	1076	1067	1057	1047	1036	1027	1020	1015	1013	1015	1024	1039	1061				
45	1027	1019	1009	997	984	970	955	941	928	917	911	910	914	926	947				
50	921	921	920	919	912	894	875	855	836	820	807	800	800	808	827				
55	805	804	801	800	797	796	793	770	745	723	704	691	685	689	705				
60	689	687	685	682	678	674	668	663	658	629	604	584	572	571	582				
65	574	572	569	565	561	555	548	540	534	528	510	483	464	453	458				
70	459	457	454	450	446	439	432	424	416	408	402	390	361	343	340				
75	345	343	340	337	333	327	320	313	305	297	289	280	271	243	230				
80	230	229	228	226	223	218	213	208	202	194	186	177	167	157	129				
85	116	116	116	115	113	111	109	106	103	98.8	94.1	88.2	80.6	68.9	51.9				
90	2.31	3.04	3.71	4.36	4.98	5.55	6.07	6.55	6.98	7.36	7.67	7.93	8.11	8.28	8.39				
95	50.7	50.4	49.9	49.2	48.3	47.3	45.9	44.3	42.3	39.9	36.8	32.7	26.7	15.8	2.27				
100	99.2	97.9	96.2	94.3	92.1	89.5	86.6	83.2	79.2	74.4	69.0	61.9	53.6	41.7	34.7				
105	148	146	143	140	137	133	129	124	119	113	106	98.5	90.2	81.8	80.4				
110	197	194	190	186	182	178	173	167	161	155	149	142	131	126	128				
115	246	243	238	234	229	224	219	214	208	203	193	183	177	175	179				
120	295	292	287	283	278	273	268	263	258	246	236	228	225	225	232				
125	345	342	337	333	328	324	320	309	298	288	280	275	274	277	285				
130	396	392	388	384	378	367	357	347	339	331	326	324	324	329	338				
135	442	435	428	420	411	403	394	387	381	375	373	372	374	380	390				
140	470	464	458	452	445	439	432	427	423	420	419	420	424	430	440				
145	499	494	489	484	479	475	470	467	464	464	464	466	471	478	488				
150	527	524	520	517	513	511	508	506	505	506	507	511	516	523	532				
155	556	553	551	548	547	545	545	544	545	547	549	553	558	565	573				
160	584	583	581	580	579	579	579	580	582	584	588	591	596	602	609				
165	613	611	611	611	611	611	612	613	615	618	621	625	629	634	640				
170	641	641	640	640	641	642	643	645	647	649	651	654	657	661	665				
175	669	669	669	669	670	671	671	672	673	675	676	678	680	681	684				
180	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-09

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks: