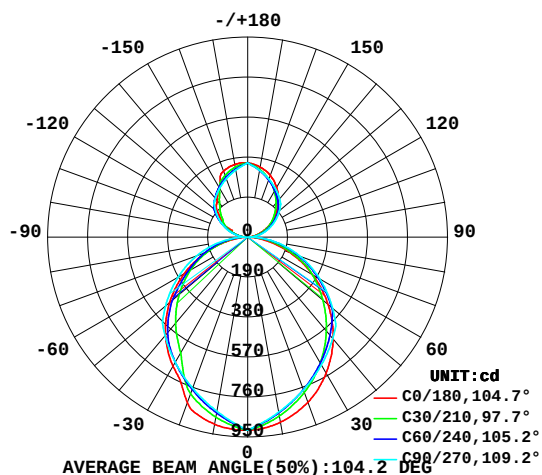


LUMINAIRE PHOTOMETRIC TEST REPORT

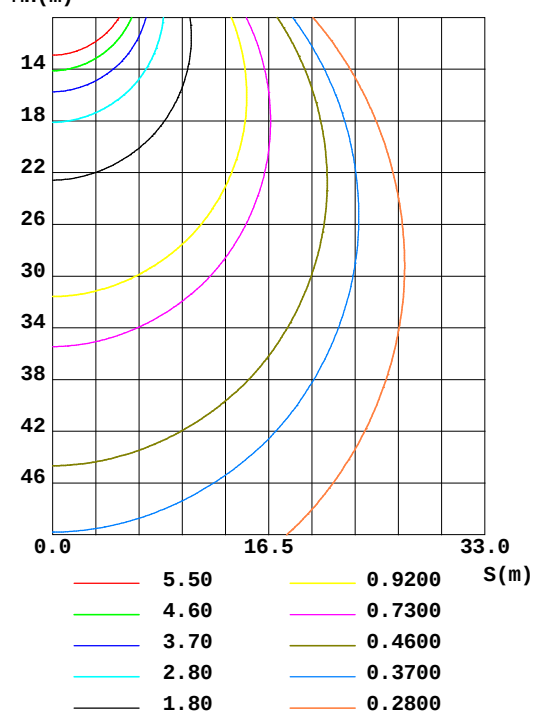
Test:U:119.4V I:0.2330A P:27.60W PF:0.9940 Lamp Flux:3269.46x1 lm					
NAME: NLUD-2334W			TYPE:上下发光 4000K		WEIGHT:
DIM.: 2FT			SPEC.:		SERIAL No.:YQ2105-29
MFR.: YQ			SUR.:		PROTECTION ANGLE:

DATA OF LAMP			PHOTOMETRIC DATA Eff: 118.46 lm/W		
MODEL		I _{max} (cd)	918.2	S/MH(C0/180)	1.22
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3269.5	η UP, DN(C0-180)	13.8, 36.4
NOMINAL FLUX(lm)	3269.46	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	13.9, 35.8
LAMPS INSIDE	1	η up(%)	27.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	119.4	η down(%)	72.3	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



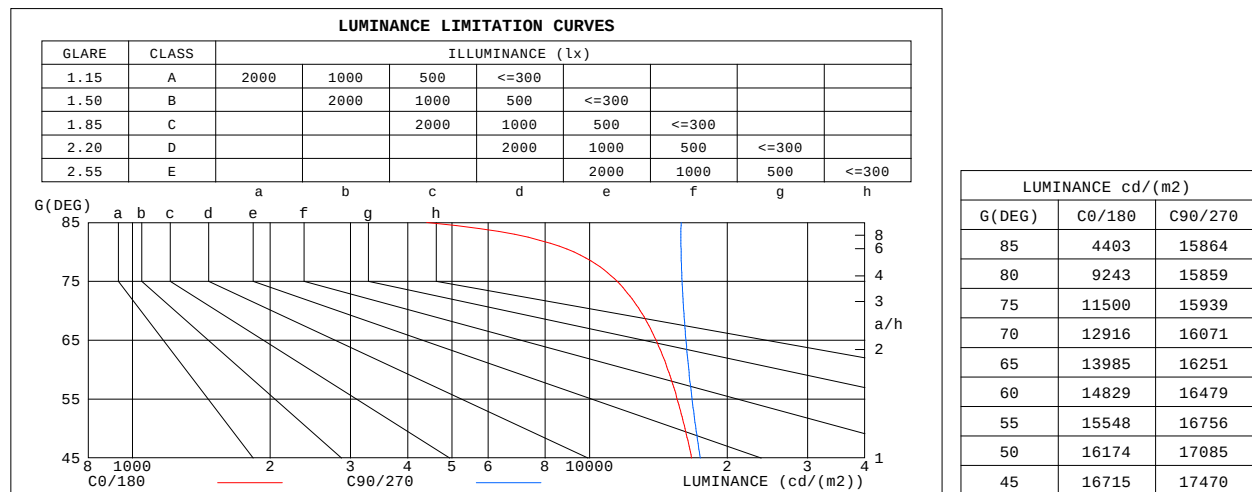
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 26.3DEG
 Operators: Ethan
 Test Date: 2021-09-10

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	910.7	888.6	881.6	891.6	915.3	890.0	879.4	887.1	0- 5	21.54	21.54	0.66, 0.66
10	893.5	854.3	845.5	860.7	903.0	857.5	841.2	851.4	5- 10	62.61	84.15	2.57, 2.57
15	868.3	816.5	809.4	825.2	881.2	820.3	802.9	812.4	10- 15	99.98	184.1	5.63, 5.63
20	836.2	775.5	773.3	786.1	838.2	779.4	764.7	770.2	15- 20	132.8	317.0	9.7, 9.7
25	795.0	732.8	737.3	744.0	756.3	734.1	726.5	726.6	20- 25	159.7	476.7	14.6, 14.6
30	746.3	687.9	701.2	686.3	709.5	666.5	688.3	680.9	25- 30	180.1	656.8	20.1, 20.1
35	691.8	640.7	665.1	614.7	661.4	588.4	650.0	633.1	30- 35	195.0	851.8	26.1, 26.1
40	632.9	592.6	629.0	547.2	608.5	527.0	611.8	584.5	35- 40	204.5	1056	32.3, 32.3
45	567.3	544.6	593.0	491.2	548.9	478.8	573.6	536.3	40- 45	208.4	1265	38.7, 38.7
50	499.0	496.1	527.1	443.5	484.5	432.4	509.9	488.3	45- 50	205.7	1470	45, 45
55	428.1	447.3	461.3	398.0	417.1	385.3	446.2	439.3	50- 55	195.1	1666	50.9, 50.9
60	355.9	376.2	395.5	337.5	348.1	325.8	382.5	370.1	55- 60	178.3	1844	56.4, 56.4
65	283.7	307.9	329.7	277.7	278.4	267.8	318.8	303.1	60- 65	156.5	2000	61.2, 61.2
70	212.0	242.2	263.8	219.3	209.2	211.0	255.1	238.7	65- 70	130.8	2131	65.2, 65.2
75	142.9	179.5	198.0	162.4	140.8	156.3	191.5	176.9	70- 75	102.3	2233	68.3, 68.3
80	77.04	118.7	132.2	107.2	74.20	103.2	127.8	117.1	75- 80	72.36	2306	70.5, 70.5
85	18.42	59.75	66.36	53.48	17.73	51.63	64.10	58.83	80- 85	42.43	2348	71.8, 71.8
90	0.5218	1.806	0.5407	0.5753	0.3723	0.8638	0.4109	1.467	85- 90	14.09	2362	72.3, 72.3
95	2.194	22.09	25.19	20.61	20.20	20.95	25.53	21.68	90- 95	5.873	2368	72.4, 72.4
100	22.94	42.79	49.84	40.75	44.32	41.22	50.65	42.26	95-100	16.86	2385	72.9, 72.9
105	46.01	64.12	74.48	61.31	67.21	62.85	75.77	63.60	100-105	28.30	2413	73.8, 73.8
110	70.88	86.29	99.13	83.64	84.57	86.42	100.9	85.85	105-110	39.51	2453	75, 75
115	97.16	109.6	123.8	107.9	98.89	110.1	126.0	109.2	110-115	49.93	2503	76.5, 76.5
120	123.9	134.0	148.4	135.1	139.4	133.2	151.1	134.0	115-120	59.80	2563	78.4, 78.4
125	150.6	159.4	173.1	165.8	161.9	156.9	176.2	159.9	120-125	68.05	2631	80.5, 80.5
130	177.5	177.9	197.7	189.4	187.5	177.0	201.4	178.5	125-130	74.51	2705	82.7, 82.7
135	203.6	196.7	222.4	211.1	211.7	200.9	226.5	197.6	130-135	78.61	2784	85.1, 85.1
140	228.9	216.0	236.8	228.6	225.6	226.9	240.5	216.9	135-140	79.50	2863	87.6, 87.6
145	252.8	235.5	251.3	253.0	250.3	256.7	254.5	236.2	140-145	78.23	2941	90, 90
150	275.1	255.0	265.8	272.7	273.9	275.6	268.5	255.6	145-150	74.97	3016	92.3, 92.3
155	295.6	273.6	280.2	289.7	311.1	292.0	282.5	274.4	150-155	69.54	3086	94.4, 94.4
160	313.8	291.1	294.7	305.1	334.7	307.5	296.6	291.8	155-160	61.72	3148	96.3, 96.3
165	327.8	308.2	309.2	319.5	344.8	321.1	310.6	308.8	160-165	51.06	3199	97.8, 97.8
170	339.0	324.4	323.6	332.4	351.5	333.4	324.6	324.7	165-170	38.41	3237	99, 99
175	347.6	339.3	338.1	343.4	354.0	344.0	338.6	339.6	170-175	24.05	3261	99.7, 99.7
180	352.6	352.6	352.6	352.6	352.6	352.6	352.6	352.6	175-180	8.274	3269	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		



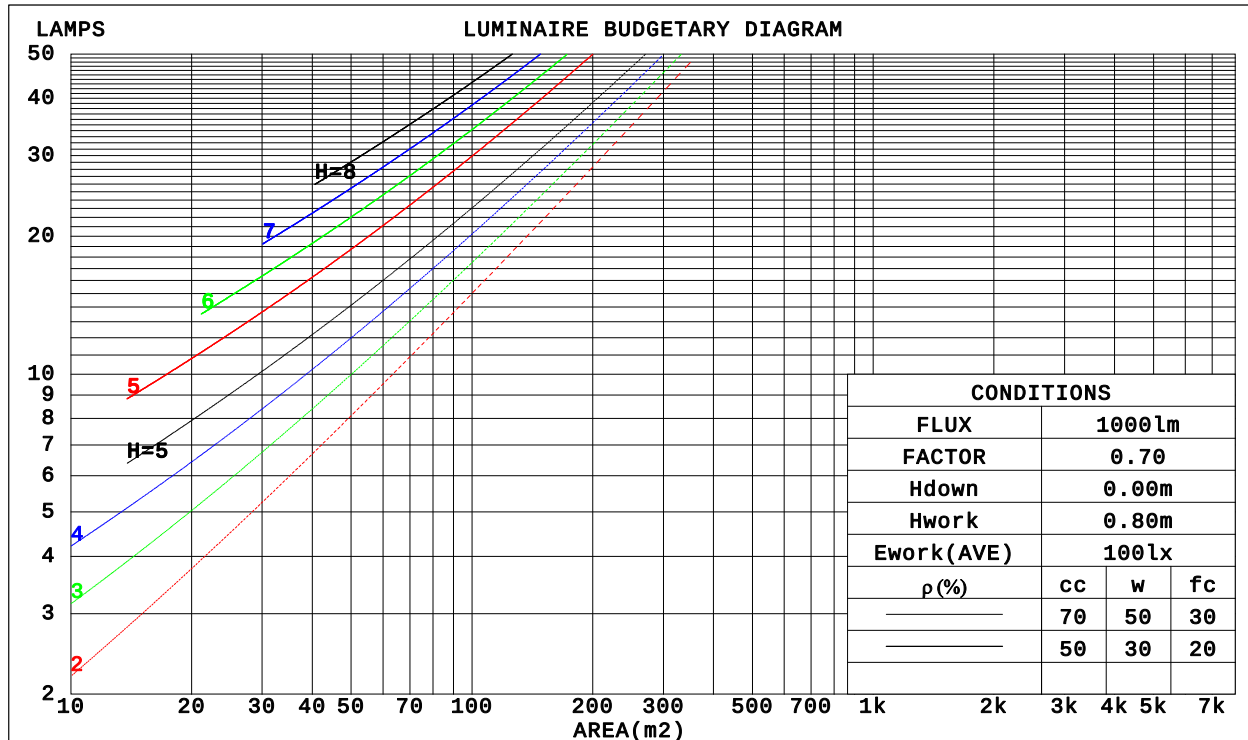
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 26.3DEG
Operators: Ethan
Test Date: 2021-09-10

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:119.4V I:0.2330A P:27.60W PF:0.9940 Lamp Flux:3269.46x1 lm		
NAME: NLUD-2334W	TYPE:上下发光 4000K	WEIGHT:
DIM.: 2FT	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	1.07	1.07	1.07	.96	.96	.96	.86	.86	.86	.77	.77	.77	.72
1.0	.98	.94	.90	.93	.89	.86	.84	.81	.78	.75	.73	.71	.67	.66	.64	.60
2.0	.85	.79	.73	.81	.75	.70	.73	.68	.64	.66	.62	.59	.59	.56	.54	.50
3.0	.75	.67	.61	.71	.64	.58	.64	.59	.54	.58	.53	.50	.52	.48	.45	.42
4.0	.66	.58	.51	.63	.55	.49	.57	.51	.46	.51	.46	.42	.46	.42	.39	.36
5.0	.59	.50	.44	.56	.48	.43	.51	.45	.40	.46	.41	.37	.42	.37	.34	.31
6.0	.53	.44	.38	.51	.43	.37	.46	.39	.35	.42	.36	.32	.38	.33	.30	.27
7.0	.48	.40	.34	.46	.38	.33	.42	.35	.31	.38	.33	.28	.35	.30	.26	.24
8.0	.44	.35	.30	.42	.34	.29	.38	.32	.27	.35	.29	.25	.32	.27	.24	.22
9.0	.40	.32	.27	.38	.31	.26	.35	.29	.24	.32	.27	.23	.29	.25	.21	.19
10.0	.37	.29	.24	.35	.28	.23	.32	.26	.22	.30	.24	.21	.27	.23	.19	.18



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:26.3DEG
 Operators:Ethan
 Test Date:2021-09-10

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:119.4V I:0.2330A P:27.60W PF:0.9940 Lamp Flux:3269.46x1 lm					
NAME: NLUD-2334W			TYPE:上下发光 4000K		WEIGHT:
DIM.: 2FT			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	.299	.170	.054	.284	.162	.051	.255	.146	.047	.228	.132	.042	.204	.118	.038				
2.0	.278	.153	.047	.264	.146	.045	.238	.132	.041	.214	.120	.038	.192	.108	.034				
3.0	.257	.137	.041	.244	.131	.039	.220	.119	.036	.198	.109	.033	.178	.098	.030				
4.0	.237	.123	.036	.225	.118	.035	.203	.108	.032	.183	.098	.030	.165	.089	.027				
5.0	.219	.111	.032	.208	.107	.031	.188	.098	.029	.170	.090	.027	.153	.082	.025				
6.0	.203	.102	.029	.193	.098	.028	.175	.090	.026	.158	.082	.024	.142	.075	.022				
7.0	.189	.093	.026	.180	.090	.026	.163	.083	.024	.148	.076	.022	.133	.069	.020				
8.0	.177	.086	.024	.168	.083	.023	.153	.076	.022	.138	.070	.020	.125	.064	.019				
9.0	.166	.080	.022	.158	.077	.022	.144	.071	.020	.130	.065	.019	.117	.060	.017				
10.0	.156	.075	.021	.149	.072	.020	.135	.066	.019	.123	.061	.017	.111	.056	.016				

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.402	.402	.402	.343	.343	.343	.234	.234	.234	.135	.135	.135	.043	.043	.043	
1.0	.393	.369	.348	.336	.317	.300	.230	.218	.207	.132	.126	.121	.042	.041	.039	
2.0	.385	.347	.314	.330	.298	.272	.226	.206	.189	.130	.120	.111	.042	.039	.036	
3.0	.378	.330	.292	.324	.285	.253	.222	.198	.178	.128	.115	.105	.041	.037	.034	
4.0	.370	.317	.277	.318	.274	.241	.219	.191	.169	.126	.112	.100	.041	.036	.033	
5.0	.363	.308	.266	.312	.266	.232	.215	.186	.164	.125	.109	.097	.040	.036	.032	
6.0	.357	.300	.259	.307	.260	.225	.212	.182	.159	.123	.107	.095	.040	.035	.031	
7.0	.350	.293	.253	.301	.254	.221	.208	.178	.156	.121	.105	.093	.039	.034	.031	
8.0	.344	.288	.249	.296	.250	.217	.205	.175	.154	.119	.103	.092	.039	.034	.030	
9.0	.339	.283	.246	.292	.246	.214	.202	.173	.152	.118	.102	.091	.038	.033	.030	
10.0	.333	.279	.243	.287	.242	.212	.199	.171	.151	.116	.101	.090	.038	.033	.030	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-10

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:119.4V I:0.2330A P:27.60W PF:0.9940 Lamp Flux:3269.46x1 lm											
NAME: NLUD-2334W					TYPE:上下发光 4000K			WEIGHT:			
DIM.: 2FT					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	2H	20.4	21.6	21.0	22.2	22.9	21.2	22.4	21.9	23.0	23.7
	3H	21.7	22.8	22.4	23.4	24.2	22.9	23.9	23.5	24.6	25.3
	4H	22.2	23.2	22.9	23.9	24.6	23.6	24.6	24.3	25.3	26.0
	6H	22.5	23.4	23.2	24.1	24.9	24.2	25.1	24.9	25.8	26.6
	8H	22.5	23.4	23.2	24.1	24.9	24.4	25.3	25.1	26.0	26.8
	12H	22.5	23.3	23.2	24.1	24.9	24.6	25.4	25.3	26.1	27.0
4H	2H	21.1	22.1	21.8	22.7	23.5	21.7	22.7	22.4	23.4	24.1
	3H	22.6	23.4	23.3	24.2	25.0	23.5	24.4	24.2	25.1	25.9
	4H	23.2	24.0	23.9	24.7	25.6	24.4	25.2	25.1	25.9	26.8
	6H	23.6	24.3	24.4	25.0	25.9	25.1	25.8	25.9	26.6	27.5
	8H	23.7	24.3	24.5	25.1	26.0	25.4	26.0	26.2	26.8	27.7
	12H	23.7	24.3	24.5	25.1	26.0	25.6	26.2	26.4	27.0	27.9
8H	4H	23.6	24.2	24.3	24.9	25.9	24.6	25.2	25.4	26.0	26.9
	6H	24.2	24.7	25.0	25.5	26.4	25.5	26.0	26.3	26.8	27.8
	8H	24.3	24.8	25.2	25.6	26.6	25.9	26.3	26.7	27.2	28.1
	12H	24.4	24.8	25.3	25.7	26.7	26.2	26.6	27.1	27.4	28.4
12H	4H	23.6	24.1	24.4	24.9	25.9	24.6	25.1	25.3	25.9	26.9
	6H	24.3	24.7	25.1	25.5	26.5	25.5	26.0	26.3	26.8	27.8
	8H	24.5	24.9	25.3	25.7	26.7	26.0	26.4	26.8	27.2	28.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.1 / - 0.1					+ 0.2 / - 0.3					
2.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.3					

CIE Pub.117 Corrected 3269 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.1)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-10

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:119.4V I:0.2330A P:27.60W PF:0.9940 Lamp Flux:3269.46x1 lm		
NAME: NLUD-2334W	TYPE:上下发光 4000K	WEIGHT:
DIM.: 2FT	SPEC.:	SERIAL No.:YQ2105-29
MFR.: YQ	SUR.:	PROTECTION ANGLE:

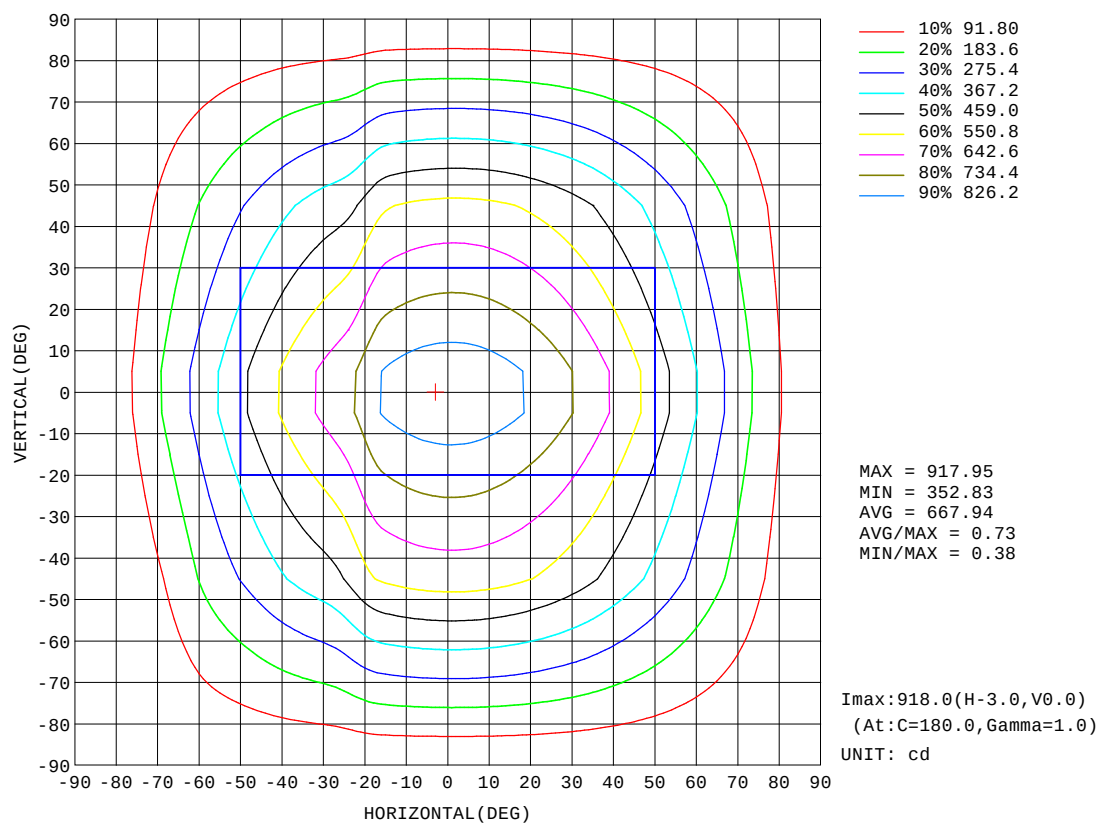
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	39	32	48	38	32	45	36	30	23
0.80	60	48	41	57	47	40	53	44	38	30
1.00	68	56	49	65	55	48	60	53	45	36
1.25	75	64	56	71	62	55	66	58	52	41
1.50	80	69	62	76	67	60	70	62	57	45
2.00	87	78	71	83	75	68	75	69	64	50
2.50	91	83	76	86	79	73	78	73	68	53
3.00	94	87	81	90	83	78	81	76	72	56
4.00	99	92	87	94	88	84	85	80	77	60
5.00	101	96	91	96	91	88	87	83	80	62
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:2021-09-10

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:119.4V I:0.2330A P:27.60W PF:0.9940 Lamp Flux:3269.46x1 lm		
NAME: NLUD-2334W	TYPE:上下发光 4000K	WEIGHT:
DIM.: 2FT	SPEC.:	SERIAL No.:YQ2105-29
MFR.: YQ	SUR.:	PROTECTION ANGLE:



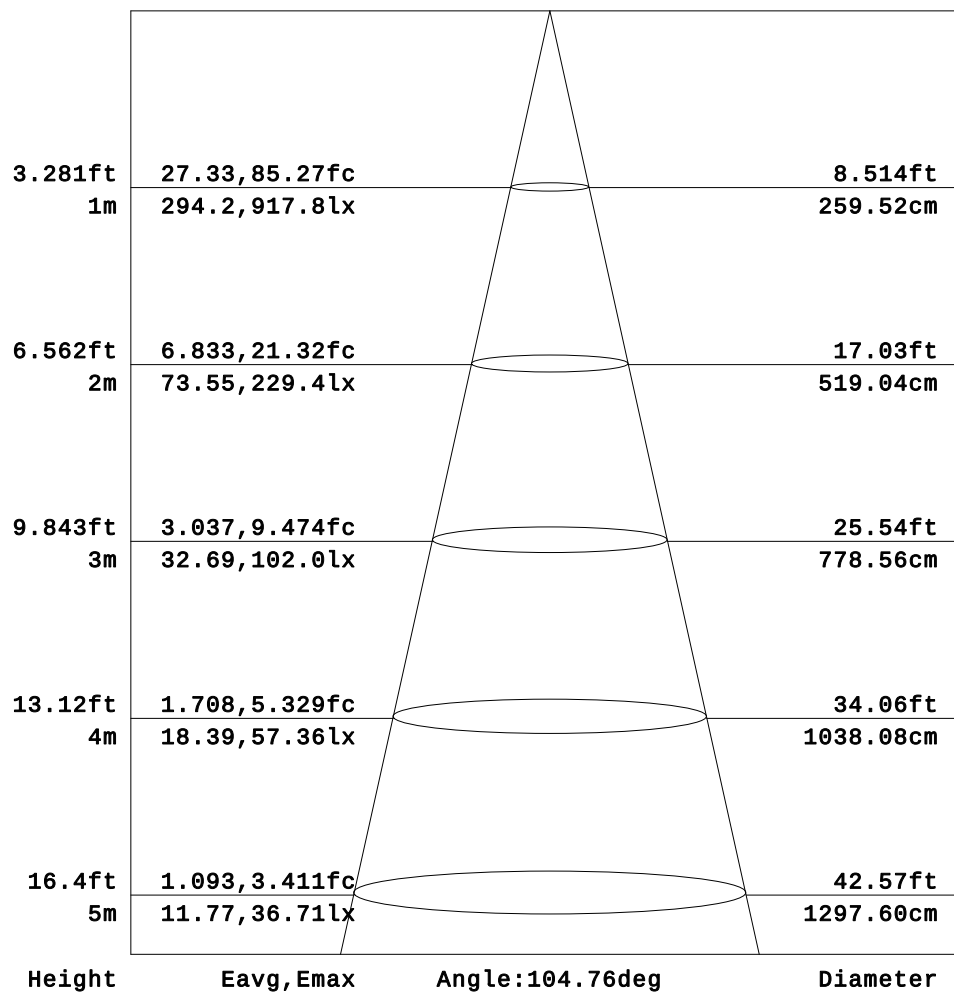
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γ Range: 0 - 180DEG
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Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.268
Humidity:36%
Test Distance:6.770m [K=1.0000]
Remarks:

AAI Figure

Test:U:119.4V I:0.2330A P:27.60W PF:0.9940 Lamp Flux:3269.46x1 lm		
NAME: NLUD-2334W	TYPE:上下发光 4000K	WEIGHT:
DIM.: 2FT	SPEC.:	SERIAL No.:YQ2105-29
MFR.: YQ	SUR.:	PROTECTION ANGLE:

Flux out:1570 lm



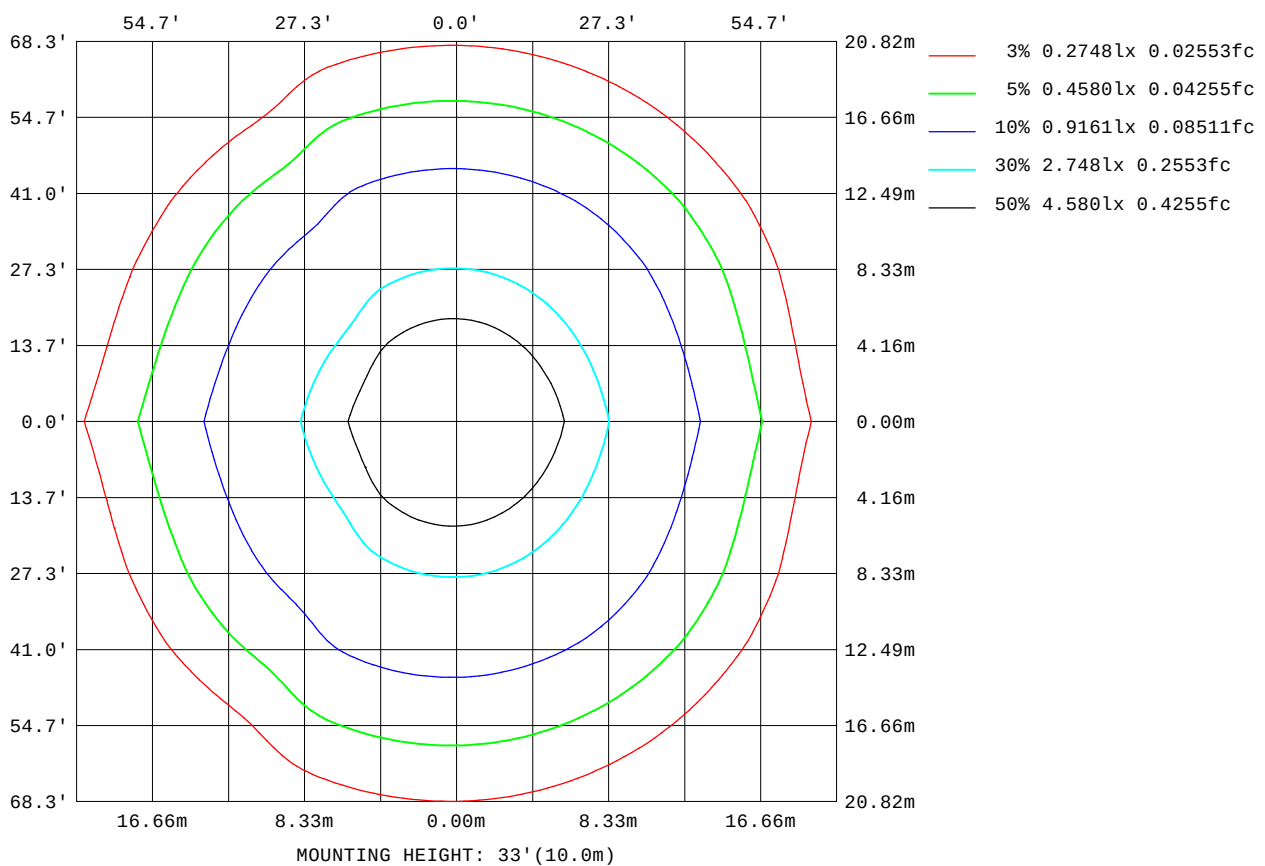
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 26.3DEG
Operators: Ethan
Test Date: 2021-09-10

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:

ISOLUX DIAGRAM

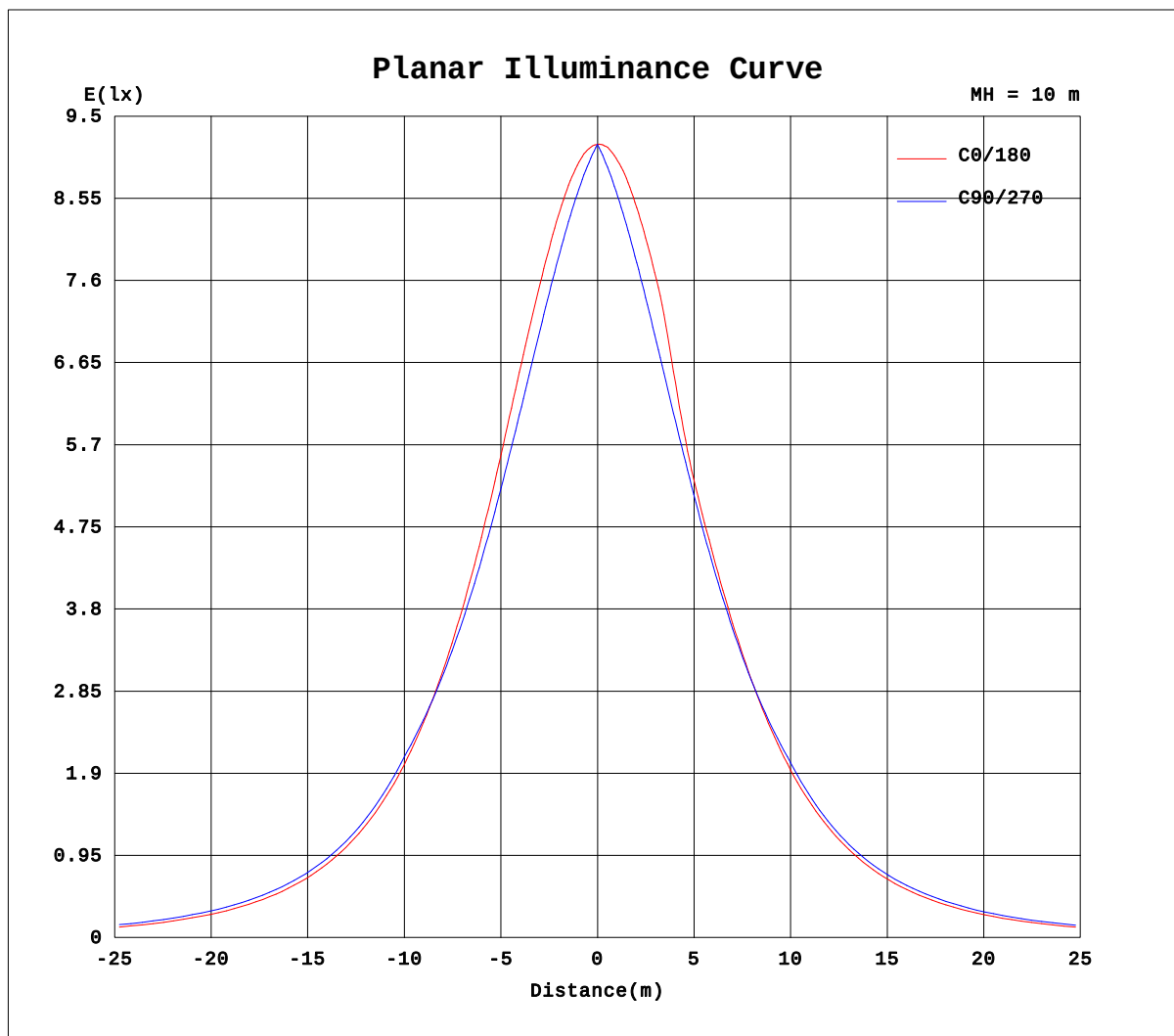
Test:U:119.4V I:0.2330A P:27.60W PF:0.9940 Lamp Flux:3269.46x1 lm		
NAME: NLUD-2334W	TYPE:上下发光 4000K	WEIGHT:
DIM.: 2FT	SPEC.:	SERIAL No.:YQ2105-29
MFR.: YQ	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-10

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: 2021-09-10

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:119.4V I:0.2330A P:27.60W PF:0.9940 Lamp Flux:3269.46x1 lm		
NAME: NLUD-2334W	TYPE:上下发光 4000K	WEIGHT:
DIM.: 2FT	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	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918
5	911	908	905	902	899	897	894	892	890	889	887	886	884	883	883	882	882	882	882
10	894	888	882	877	872	868	864	860	857	854	852	850	849	848	847	846	845	845	845
15	868	860	851	844	837	832	827	823	820	816	814	813	811	810	810	809	809	809	809
20	836	825	815	806	798	792	786	782	778	775	774	773	772	772	772	772	773	773	773
25	795	782	770	760	752	746	741	737	734	733	732	731	732	733	734	735	736	737	737
30	746	731	718	708	701	694	691	689	688	688	688	690	691	693	695	697	699	700	701
35	692	675	661	651	644	640	638	638	638	641	644	647	650	653	657	660	662	664	665
40	633	615	600	591	585	582	582	584	588	593	598	604	609	614	618	622	626	628	629
45	567	548	535	527	523	522	525	530	537	545	552	560	567	574	580	585	589	592	593
50	499	479	467	460	459	461	467	475	485	496	507	517	521	522	523	524	525	527	527
55	428	409	397	393	394	401	409	421	435	447	450	452	453	455	457	458	459	461	461
60	356	337	328	327	332	341	354	369	373	376	380	384	386	389	391	392	394	395	395
65	284	266	260	262	271	285	295	299	303	308	313	317	320	323	325	327	328	329	330
70	212	196	194	202	215	222	227	232	237	242	247	252	255	257	260	261	262	263	264
75	143	130	133	147	153	158	164	170	175	179	184	188	191	193	195	196	197	198	198
80	77.0	69.4	79.7	87.9	95.0	101	106	111	115	119	122	125	127	129	130	131	132	132	132
85	18.4	19.8	32.0	39.8	45.4	49.4	52.6	55.3	57.7	59.7	61.6	63.2	64.4	65.3	65.9	66.3	66.5	66.5	66.4
90	0.52	1.03	1.03	1.06	1.16	1.30	1.45	1.56	1.68	1.81	1.88	1.92	1.91	1.84	1.73	1.52	1.21	0.92	0.54
95	2.19	4.74	10.6	13.8	15.8	17.4	18.8	19.9	21.0	22.1	22.9	23.6	24.1	24.6	25.0	25.2	25.3	25.3	25.2
100	22.9	21.8	26.6	29.7	32.4	34.8	37.0	39.0	41.2	42.8	44.2	45.5	46.5	47.5	48.3	48.8	49.3	49.7	49.8
105	46.0	42.6	44.5	49.3	51.9	54.4	56.9	59.3	62.1	64.1	66.0	67.7	69.2	70.5	71.7	72.6	73.4	74.1	74.5
110	70.9	65.9	65.6	68.5	73.5	76.4	78.6	80.9	84.0	86.3	88.4	90.4	92.2	93.8	95.2	96.5	97.6	98.5	99.1
115	97.2	91.0	89.0	90.3	93.6	98.5	103	105	108	110	112	114	116	117	119	121	122	123	124
120	124	117	114	114	116	119	125	130	132	134	136	138	140	142	143	145	146	147	148
125	151	144	140	138	139	142	145	150	155	159	161	162	164	166	168	169	171	172	173
130	178	170	166	164	163	164	167	170	174	178	182	187	189	190	192	194	195	196	198
135	204	197	192	189	187	188	189	191	194	197	200	204	207	210	214	216	219	221	222
140	229	222	217	214	211	211	211	212	214	216	219	221	224	227	229	231	234	235	237
145	253	246	241	238	235	234	233	233	234	235	237	239	241	243	245	247	248	250	251
150	275	269	264	261	258	256	255	254	254	255	256	257	257	259	260	262	263	265	266
155	296	290	286	282	279	277	276	275	274	274	274	274	274	275	276	277	278	279	280
160	314	309	305	302	299	297	295	293	292	291	291	291	291	291	292	292	293	294	295
165	328	324	321	318	316	314	312	310	309	308	308	307	307	307	307	307	308	309	309
170	339	337	334	332	331	329	328	326	325	324	324	323	323	323	323	323	323	323	324
175	348	346	345	344	343	342	341	340	340	339	339	339	338	338	338	338	338	338	338
180	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-10

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:119.4V I:0.2330A P:27.60W PF:0.9940 Lamp Flux:3269.46x1 lm		
NAME: NLUD-2334W	TYPE:上下发光 4000K	WEIGHT:
DIM.: 2FT	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	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918
5	882	883	883	884	885	887	888	890	892	893	896	898	901	903	906	909	912	915	912
10	846	847	848	849	851	853	855	857	861	864	868	872	876	881	886	891	897	903	896
15	810	811	812	813	815	817	820	822	825	829	833	838	843	849	856	864	872	881	872
20	774	775	776	777	778	779	781	783	786	790	794	799	804	808	813	819	828	838	826
25	738	738	739	740	740	740	741	742	744	743	738	732	728	726	729	735	744	756	742
30	702	702	702	701	701	700	700	697	686	672	659	652	652	658	666	678	693	709	692
35	666	665	665	663	661	659	653	637	615	598	591	592	597	604	615	627	643	661	642
40	629	629	627	625	622	616	598	569	547	538	537	540	544	551	560	573	589	608	587
45	593	592	590	586	582	568	537	506	491	488	487	488	490	494	501	512	528	549	526
50	528	529	529	529	529	511	477	451	443	440	437	435	433	433	438	448	463	485	461
55	462	462	462	462	457	432	404	396	398	393	387	379	374	372	374	381	395	417	394
60	396	396	396	395	386	358	338	336	337	338	336	325	316	311	310	314	326	348	325
65	330	330	330	329	316	290	278	278	278	276	272	269	262	252	245	244	255	278	257
70	264	264	264	262	248	227	221	221	219	215	211	207	203	192	176	172	183	209	189
75	198	198	198	196	184	168	165	165	162	158	154	149	142	126	110	106	115	141	123
80	132	132	132	131	121	112	110	109	107	104	101	96.3	87.0	72.9	59.8	47.8	52.9	74.2	61.5
85	66.4	66.6	66.4	65.6	60.5	55.9	55.1	54.6	53.5	51.7	49.8	47.1	41.0	33.1	25.3	16.5	9.10	17.7	13.5
90	0.50	0.76	0.86	0.81	0.66	0.56	0.54	0.56	0.58	0.56	0.54	0.54	0.52	0.51	0.50	0.52	0.40	0.37	0.39
95	25.3	25.7	25.9	25.8	25.6	25.4	23.5	21.5	20.6	19.9	19.2	19.4	19.7	19.5	19.2	18.7	17.6	20.2	9.62
100	50.1	50.6	50.8	50.8	50.7	50.3	46.9	42.9	40.7	40.1	37.9	38.7	39.4	39.8	39.8	41.0	38.9	44.3	32.0
105	75.0	75.6	75.9	75.9	75.8	75.6	71.3	65.4	61.3	61.1	57.4	58.4	59.7	61.4	62.5	60.2	61.3	67.2	56.6
110	99.8	101	101	101	101	101	97.0	89.3	83.6	82.5	79.5	78.3	80.8	82.5	81.2	81.0	84.1	84.6	76.4
115	125	125	126	126	126	127	124	115	108	104	105	99.9	100	100	101	103	107	98.9	98.4
120	149	150	151	152	152	152	152	144	135	129	128	125	119	119	121	124	130	139	132
125	174	175	176	177	178	178	179	175	166	154	146	145	145	141	141	145	152	162	154
130	199	200	201	202	203	204	204	200	189	178	169	164	164	167	170	173	178	188	181
135	223	224	224	224	224	222	220	215	211	203	194	188	185	186	190	195	203	212	203
140	238	239	239	239	239	238	238	235	229	225	220	215	211	210	210	213	218	226	219
145	252	253	254	254	254	255	255	255	253	246	241	240	239	238	238	240	244	250	244
150	267	268	269	269	270	270	271	272	273	274	272	267	262	261	262	265	269	274	268
155	281	282	283	284	285	286	287	288	290	291	293	296	298	300	301	302	305	311	307
160	296	296	298	298	300	301	302	304	305	307	309	312	315	318	321	325	330	335	330
165	310	311	312	313	314	315	317	318	319	321	324	326	328	331	334	338	341	345	341
170	324	325	325	326	328	329	330	331	332	334	336	338	340	342	344	346	348	352	349
175	338	339	339	340	340	341	342	342	343	344	346	347	348	349	350	351	353	354	353
180	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-10

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:119.4V I:0.2330A P:27.60W PF:0.9940 Lamp Flux:3269.46x1 lm		
NAME: NLUD-2334W	TYPE:上下发光 4000K	WEIGHT:
DIM.: 2FT	SPEC.:	SERIAL No.:YQ2105-29
MFR.: YQ	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918
5	909	906	903	900	897	894	892	890	888	886	885	883	882	881	880	880	879	879	880
10	890	884	879	874	869	865	861	857	854	851	849	847	845	844	842	842	841	841	841
15	863	855	847	840	835	829	824	820	817	814	811	809	807	806	805	804	803	803	803
20	816	809	803	799	793	788	783	779	776	774	771	770	768	767	766	765	765	764	764
25	730	722	717	717	720	726	732	734	733	731	730	729	729	728	727	727	726	726	726
30	676	662	652	643	638	641	652	666	681	687	688	688	688	689	689	689	688	688	687
35	625	612	601	592	585	580	579	588	609	632	644	646	648	649	650	650	650	649	648
40	570	556	546	538	533	530	527	527	538	564	592	604	607	609	611	612	612	611	610
45	509	497	488	483	480	479	479	479	481	498	532	559	566	570	572	573	574	573	571
50	445	433	427	425	425	427	429	432	434	441	467	499	510	510	510	510	510	509	509
55	378	369	365	365	369	375	381	385	384	382	394	426	445	446	446	446	446	446	445
60	312	306	305	308	314	323	325	326	326	325	330	355	379	382	382	382	383	382	382
65	246	243	246	253	259	261	265	268	269	270	271	289	313	318	318	319	319	318	318
70	182	184	191	196	200	203	207	211	213	215	215	227	248	254	255	255	255	255	254
75	122	129	135	140	144	148	152	156	159	161	161	168	185	191	191	191	191	191	191
80	66.9	76.0	83.1	88.8	93.4	97.1	100	103	106	107	107	111	123	127	128	128	128	128	127
85	25.1	34.0	39.3	43.1	45.9	48.2	49.9	51.6	53.0	53.8	54.1	55.7	61.5	64.2	64.2	64.1	64.1	64.0	63.9
90	0.42	0.45	0.44	0.50	0.58	0.68	0.76	0.86	0.91	0.93	0.99	1.04	1.07	1.03	0.75	0.48	0.41	0.47	0.57
95	11.8	15.0	17.7	20.4	20.8	21.2	21.8	20.9	22.2	22.4	24.1	26.4	26.7	26.6	26.2	25.8	25.5	25.3	25.1
100	29.8	33.5	37.9	41.6	41.5	42.3	43.2	41.2	43.7	44.0	47.7	51.9	52.3	52.1	51.7	51.1	50.6	50.1	49.6
105	53.4	57.4	62.9	63.6	62.9	64.4	64.5	62.9	65.4	66.2	72.0	77.7	78.0	77.7	77.2	76.4	75.8	75.0	74.1
110	71.4	78.8	87.5	86.6	86.4	87.4	84.4	86.4	87.4	89.6	97.8	104	104	103	103	102	101	99.9	98.8
115	104	105	106	109	112	111	105	110	110	115	125	130	129	129	128	127	126	125	124
120	127	125	126	129	132	129	133	133	134	142	153	156	155	154	153	152	151	150	148
125	150	147	148	150	146	150	155	157	162	173	182	182	181	180	179	178	176	175	173
130	176	173	169	165	167	169	172	177	189	204	210	208	207	206	204	203	201	200	198
135	196	191	188	186	187	188	193	201	213	225	227	228	229	229	229	228	226	225	222
140	214	211	209	208	209	212	218	227	239	242	243	243	243	243	243	242	240	239	237
145	239	236	234	234	235	239	247	257	258	258	258	258	258	257	257	256	255	253	251
150	264	261	260	263	268	275	277	276	275	274	274	273	273	272	271	270	269	267	266
155	304	303	302	300	298	295	294	292	291	290	289	288	287	286	285	284	283	281	280
160	326	322	319	316	313	311	309	307	306	304	303	302	301	300	299	298	297	295	295
165	338	335	332	330	327	325	323	321	320	318	317	315	314	313	312	311	311	310	309
170	347	344	342	340	338	337	335	333	332	331	330	328	327	327	326	325	325	324	323
175	352	350	349	348	347	346	345	344	343	342	342	341	340	340	339	339	339	338	338
180	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-10

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:119.4V I:0.2330A P:27.60W PF:0.9940 Lamp Flux:3269.46x1 lm																	
NAME: NLUD-2334W									TYPE:上下发光 4000K						WEIGHT:		
DIM.: 2FT									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	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918				
5	880	881	881	883	884	885	887	889	891	893	896	899	901	904	907				
10	842	843	844	845	847	849	851	855	858	862	866	871	876	881	887				
15	803	804	805	806	808	810	812	816	820	825	830	836	843	851	859				
20	764	764	765	765	766	768	770	774	778	783	789	796	804	814	824				
25	725	724	724	724	724	725	727	729	733	737	743	750	758	769	781				
30	686	684	683	682	681	680	681	682	683	686	691	698	706	717	730				
35	646	644	642	639	637	635	633	632	632	633	636	641	649	660	674				
40	607	604	601	597	593	589	585	581	579	578	579	582	589	599	614				
45	568	564	560	555	549	542	536	530	525	521	519	520	525	534	548				
50	509	509	509	508	505	497	488	479	470	463	459	457	459	466	479				
55	445	444	443	442	441	441	439	428	417	406	399	393	393	397	409				
60	381	380	378	377	375	373	370	367	365	352	340	331	327	328	337				
65	317	316	314	312	310	307	303	300	297	294	285	272	264	261	266				
70	253	252	250	249	246	243	239	235	230	227	223	217	204	196	198				
75	190	189	187	186	183	180	177	173	169	165	160	155	150	137	132				
80	127	126	125	124	122	120	117	114	111	107	103	98.1	92.6	85.3	72.9				
85	63.6	63.2	62.6	62.0	61.1	60.0	58.8	57.5	55.9	53.9	51.5	48.3	43.6	36.8	25.8				
90	0.59	0.60	0.62	0.64	0.72	1.04	1.47	1.92	2.35	2.78	3.15	3.48	3.80	4.08	4.31				
95	24.7	24.2	23.7	23.2	22.6	22.1	21.7	21.0	20.2	19.2	18.0	16.3	13.8	9.25	1.96				
100	48.8	47.9	47.0	45.9	44.7	43.5	42.3	40.6	38.7	36.7	34.2	31.2	27.5	22.7	18.8				
105	73.0	71.8	70.5	68.9	67.2	65.5	63.6	61.5	58.6	55.9	52.9	49.6	46.0	41.6	40.4				
110	97.4	95.9	94.2	92.3	90.2	88.0	85.9	83.4	80.0	77.2	74.4	70.8	65.9	63.3	64.1				
115	122	120	118	116	114	112	109	107	104	101	96.6	91.6	88.2	87.2	89.4				
120	147	145	143	141	138	136	134	132	129	123	118	114	112	112	116				
125	171	169	167	166	164	162	160	155	149	144	141	138	137	139	143				
130	196	195	193	191	188	183	178	174	170	166	164	162	163	165	169				
135	219	216	213	209	205	201	198	194	191	188	187	187	188	191	196				
140	234	232	229	226	223	220	217	214	212	211	210	211	213	216	221				
145	249	247	245	242	240	238	236	235	233	233	233	235	237	241	246				
150	264	262	261	259	258	257	256	255	254	255	256	257	260	264	269				
155	279	278	277	276	275	274	274	275	275	276	277	279	282	285	290				
160	294	293	292	292	292	292	292	293	294	295	297	299	302	305	309				
165	309	308	308	308	308	308	309	310	311	312	314	316	318	321	324				
170	323	323	323	323	324	324	325	326	327	328	329	331	332	334	336				
175	338	338	338	338	339	339	340	340	341	342	342	343	344	345	346				
180	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:26.3DEG
Operators:Ethan
Test Date:2021-09-10

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: