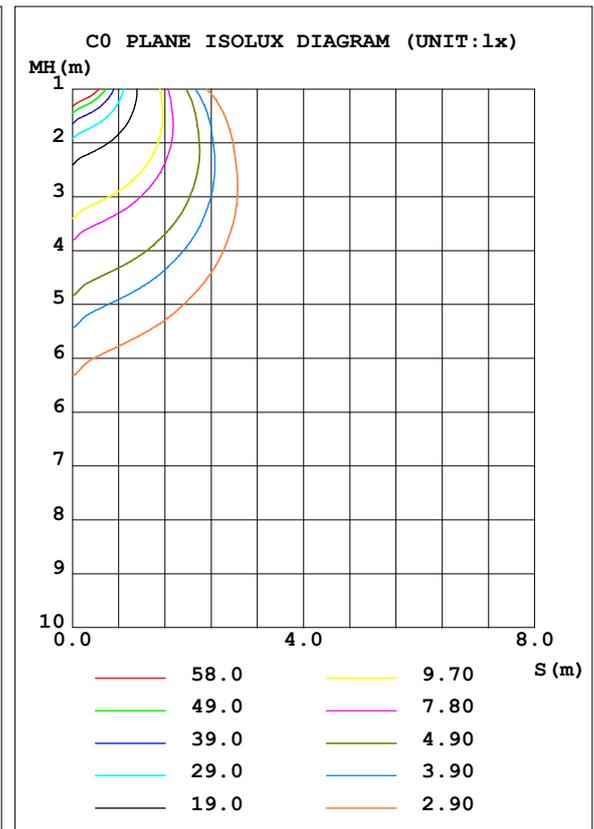
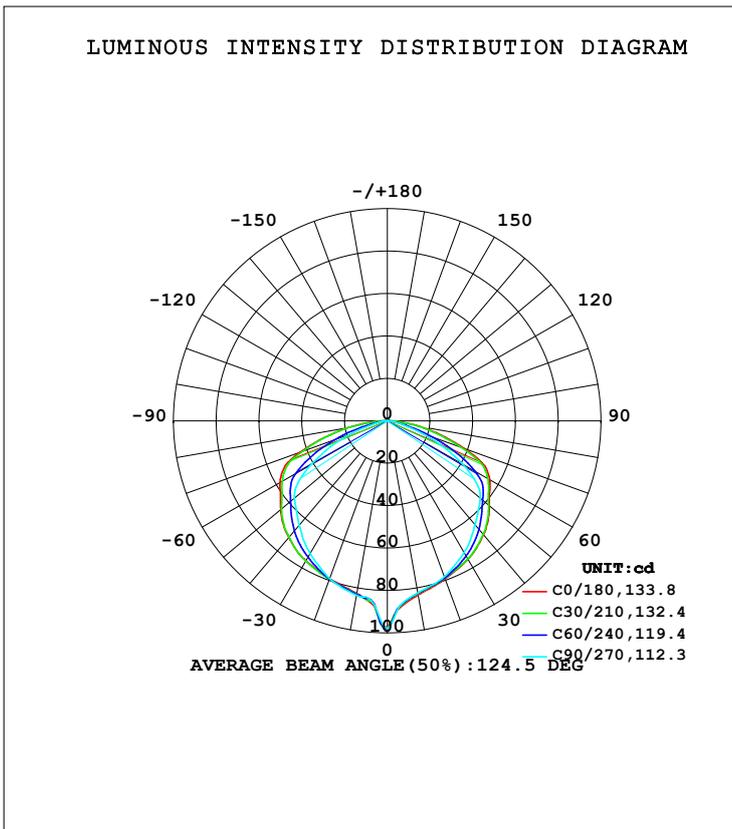




LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.000V I:0.4166A P:4.9920W PF:1.0000 Freq:0Hz Lamp Flux:279.068x1 lm		
NAME: WF-04-12V-YYY	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 55.90 lm/W			
MODEL		I _{max} (cd)	98.09	S/MH (C0/180)	1.18
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.11
RATED VOLTAGE (V)	12	TOTAL FLUX (lm)	279.07	η UP, DN (C0-180)	0.1, 49.7
NOMINAL FLUX (lm)	279.068	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 50.2
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	12	η down (%)	99.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: SENPU
 Test Date: 2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	83.34	82.70	82.44	81.79	82.70	82.84	83.45	82.49	0- 10	8.128	8.128	2.91,2.91
20	79.31	78.87	78.24	78.31	79.23	79.39	79.12	79.16	10- 20	22.83	30.95	11.1,11.1
30	75.39	74.94	71.83	74.97	76.20	75.70	72.23	74.93	20- 30	35.43	66.39	23.8,23.8
40	70.04	69.21	63.95	69.87	71.69	70.27	64.21	68.92	30- 40	44.88	111.3	39.9,39.9
50	62.35	60.62	56.81	61.97	65.13	62.21	56.79	60.24	40- 50	49.98	161.3	57.8,57.8
60	55.34	52.51	40.55	53.58	57.92	53.74	41.09	51.75	50- 60	50.24	211.5	75.8,75.8
70	38.50	31.23	17.27	34.22	43.48	35.36	18.66	31.23	60- 70	41.61	253.1	90.7,90.7
80	15.34	6.365	3.904	7.992	18.65	8.808	4.253	6.790	70- 80	20.74	273.8	98.1,98.1
90	0.8391	1.043	0.1886	1.035	1.718	1.144	0.1870	0.9635	80- 90	4.775	278.6	99.8,99.8
100	0.1727	0.2854	0.1502	0.2779	0.1652	0.1727	0.1202	0.1577	90-100	0.4399	279.1	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0115	279.1	100,100
120	0	0	0	0	0	0	0	0	110-120	0	279.1	100,100
130	0	0	0	0	0	0	0	0	120-130	0	279.1	100,100
140	0	0	0	0	0	0	0	0	130-140	0	279.1	100,100
150	0	0	0	0	0	0	0	0	140-150	0	279.1	100,100
160	0	0	0	0	0	0	0	0	150-160	0	279.1	100,100
170	0	0	0	0	0	0	0	0	160-170	0	279.1	100,100
180	0	0	0	0	0	0	0	0	170-180	0	279.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 135.92 lm

%lum = 48.7%

%lamp = 48.7%

Conical surface Flux(120deg): 211.49 lm

%lum = 75.8%

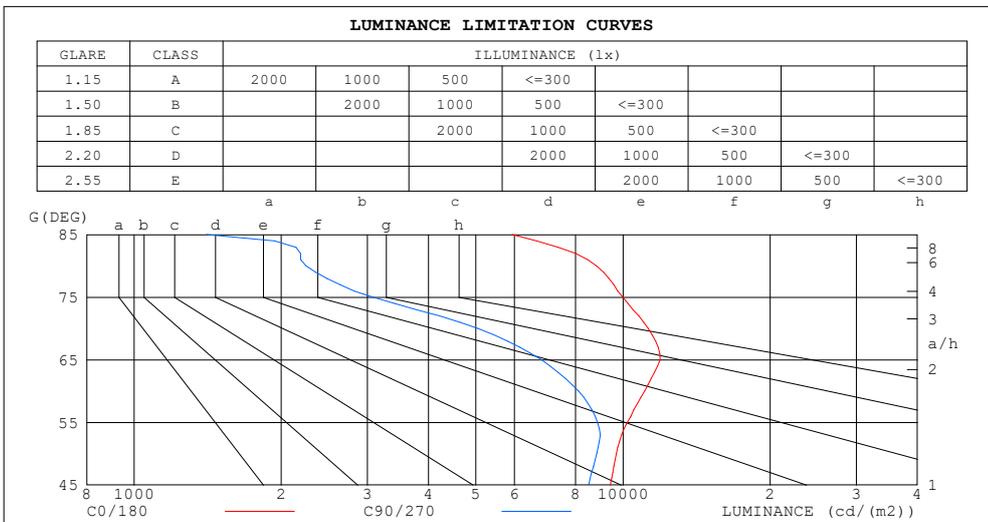
%lamp = 75.8%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SENPU
 Test Date:2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:12.000V I:0.4166A P:4.9920W PF:1.0000 Freq:0Hz Lamp Flux:279.068x1 lm		
NAME: WF-04-12V-YYY	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



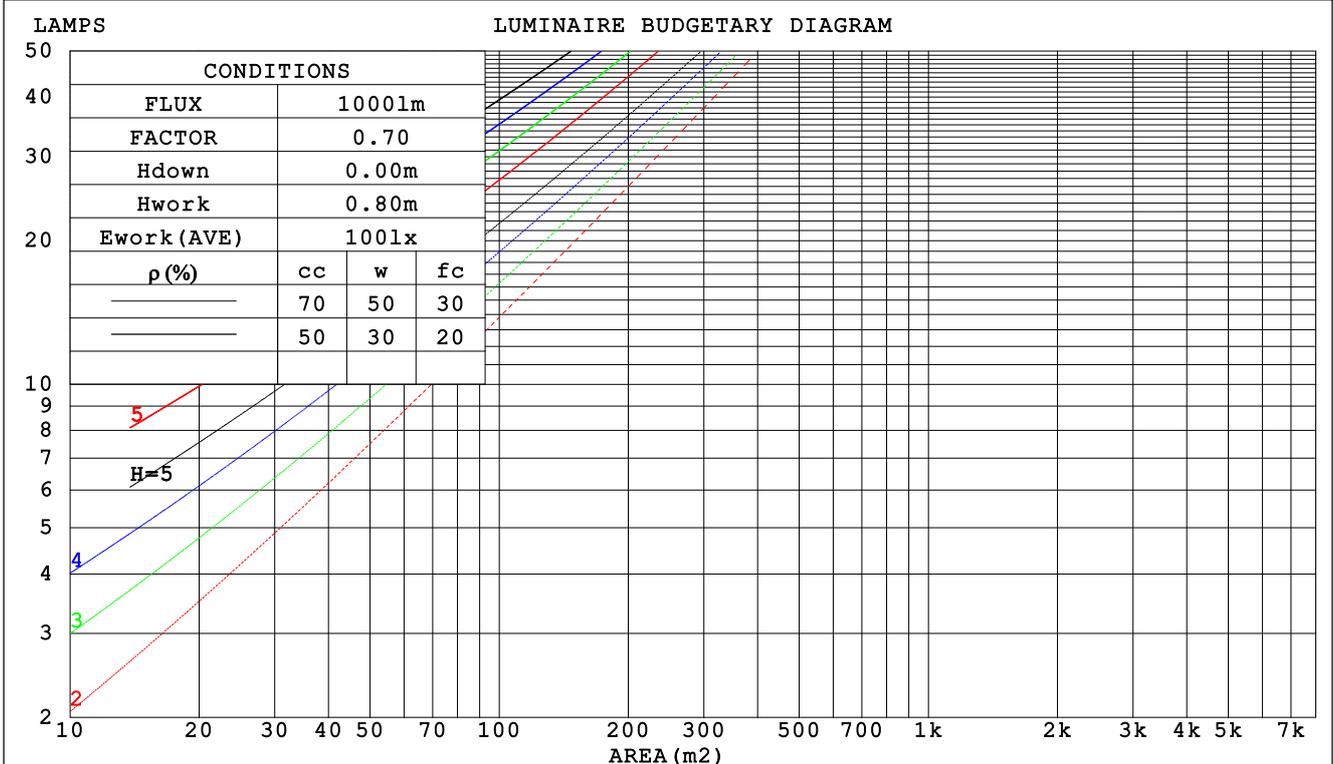
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SENPU
 Test Date:2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.000V I:0.4166A P:4.9920W PF:1.0000 Freq:0Hz Lamp Flux:279.068x1 lm		
NAME: WF-04-12V-YYY	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.93	.90	.87	.89	.87	.85	.83
2.0	.89	.82	.76	.87	.81	.75	.84	.78	.73	.80	.76	.72	.77	.73	.70	.68
3.0	.78	.69	.62	.76	.68	.62	.73	.66	.61	.70	.64	.60	.68	.63	.58	.56
4.0	.68	.59	.52	.67	.58	.52	.64	.57	.51	.62	.55	.50	.60	.54	.50	.47
5.0	.61	.51	.44	.59	.51	.44	.57	.50	.44	.55	.48	.43	.53	.47	.43	.40
6.0	.54	.45	.38	.53	.45	.38	.51	.44	.38	.50	.43	.37	.48	.42	.37	.35
7.0	.49	.40	.34	.48	.40	.33	.47	.39	.33	.45	.38	.33	.44	.37	.33	.31
8.0	.45	.36	.30	.44	.35	.30	.42	.35	.29	.41	.34	.29	.40	.34	.29	.27
9.0	.41	.32	.27	.40	.32	.26	.39	.32	.26	.38	.31	.26	.37	.31	.26	.24
10.0	.38	.29	.24	.37	.29	.24	.36	.29	.24	.35	.28	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SENPU
 Test Date:2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:12.000V I:0.4166A P:4.9920W PF:1.0000 Freq:0Hz Lamp Flux:279.068x1 lm		
NAME: WF-04-12V-YYY	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding 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	.320	.182	.058	.313	.179	.057	.300	.172	.055	.287	.166	.053	.276	.160	.052	
2.0	.303	.166	.051	.297	.163	.050	.285	.158	.049	.274	.154	.048	.264	.149	.047	
3.0	.280	.149	.045	.275	.147	.044	.264	.143	.044	.254	.139	.043	.245	.136	.042	
4.0	.258	.134	.039	.253	.133	.039	.244	.129	.039	.235	.126	.038	.227	.123	.038	
5.0	.238	.121	.035	.234	.120	.035	.226	.117	.035	.218	.115	.034	.211	.113	.034	
6.0	.221	.111	.032	.217	.109	.031	.209	.107	.031	.202	.105	.031	.196	.103	.031	
7.0	.205	.101	.029	.201	.100	.029	.195	.098	.028	.188	.097	.028	.183	.095	.028	
8.0	.191	.093	.026	.188	.092	.026	.182	.091	.026	.176	.089	.026	.171	.088	.026	
9.0	.178	.086	.024	.176	.086	.024	.170	.084	.024	.165	.083	.024	.161	.082	.024	
10.0	.167	.080	.022	.165	.080	.022	.160	.078	.022	.156	.077	.022	.151	.076	.022	

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																
1.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
2.0	.175	.133	.098	.150	.115	.085	.103	.079	.059	.059	.046	.035	.019	.015	.011	
3.0	.168	.116	.074	.144	.100	.064	.099	.069	.045	.057	.040	.027	.018	.013	.009	
4.0	.160	.102	.058	.138	.089	.051	.095	.062	.036	.055	.036	.021	.018	.012	.007	
5.0	.153	.092	.047	.131	.080	.041	.091	.056	.029	.052	.033	.017	.017	.011	.006	
6.0	.146	.084	.039	.125	.073	.034	.086	.051	.024	.050	.030	.014	.016	.010	.005	
7.0	.139	.077	.034	.120	.067	.029	.083	.047	.021	.048	.028	.012	.016	.009	.004	
8.0	.132	.071	.029	.114	.062	.026	.079	.043	.018	.046	.026	.011	.015	.008	.004	
9.0	.126	.066	.026	.109	.058	.023	.075	.040	.016	.044	.024	.010	.014	.008	.003	
10.0	.120	.062	.023	.104	.054	.020	.072	.038	.014	.042	.022	.009	.014	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SENPU
 Test Date:2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:12.000V I:0.4166A P:4.9920W PF:1.0000 Freq:0Hz Lamp Flux:279.068x1 lm										
NAME: WF-04-12V-YYY					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:			Shielding 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	21.7	23.3	22.0	23.5	23.7	20.4	22.0	20.7	22.2	22.4
3H	23.8	25.2	24.1	25.5	25.7	21.3	22.8	21.6	23.0	23.3
4H	24.5	25.9	24.8	26.1	26.4	21.5	22.8	21.8	23.1	23.4
6H	24.9	26.2	25.3	26.5	26.8	21.5	22.8	21.8	23.0	23.3
8H	25.1	26.3	25.4	26.6	26.9	21.4	22.7	21.8	23.0	23.3
12H	25.1	26.3	25.5	26.6	26.9	21.4	22.6	21.8	22.9	23.2
4H 2H	22.3	23.7	22.7	24.0	24.3	21.4	22.8	21.7	23.0	23.3
3H	24.6	25.8	24.9	26.1	26.4	22.4	23.6	22.7	23.9	24.2
4H	25.4	26.5	25.7	26.8	27.1	22.5	23.7	22.9	24.0	24.3
6H	26.0	27.0	26.4	27.3	27.7	22.6	23.6	23.0	23.9	24.3
8H	26.2	27.1	26.6	27.4	27.8	22.6	23.5	23.0	23.9	24.3
12H	26.2	27.1	26.7	27.5	27.9	22.6	23.4	23.0	23.8	24.2
8H 4H	25.5	26.4	25.9	26.7	27.1	22.9	23.8	23.3	24.2	24.6
6H	26.2	27.0	26.7	27.4	27.8	23.0	23.7	23.4	24.2	24.6
8H	26.5	27.2	26.9	27.6	28.0	23.0	23.7	23.5	24.1	24.6
12H	26.6	27.2	27.1	27.7	28.1	23.0	23.6	23.5	24.1	24.5
12H 4H	25.4	26.3	25.9	26.7	27.1	22.9	23.8	23.4	24.2	24.6
6H	26.2	26.9	26.7	27.3	27.8	23.1	23.7	23.5	24.2	24.6
8H	26.5	27.1	27.0	27.5	28.0	23.1	23.7	23.6	24.1	24.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.1 / - 0.3					+ 0.5 / - 0.6				
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.8				

CIE Pub.117, 279.1 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -4.4)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:SENPU
Test Date:2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:12.000V I:0.4166A P:4.9920W PF:1.0000 Freq:0Hz Lamp Flux:279.068x1 lm		
NAME: WF-04-12V-YYY	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

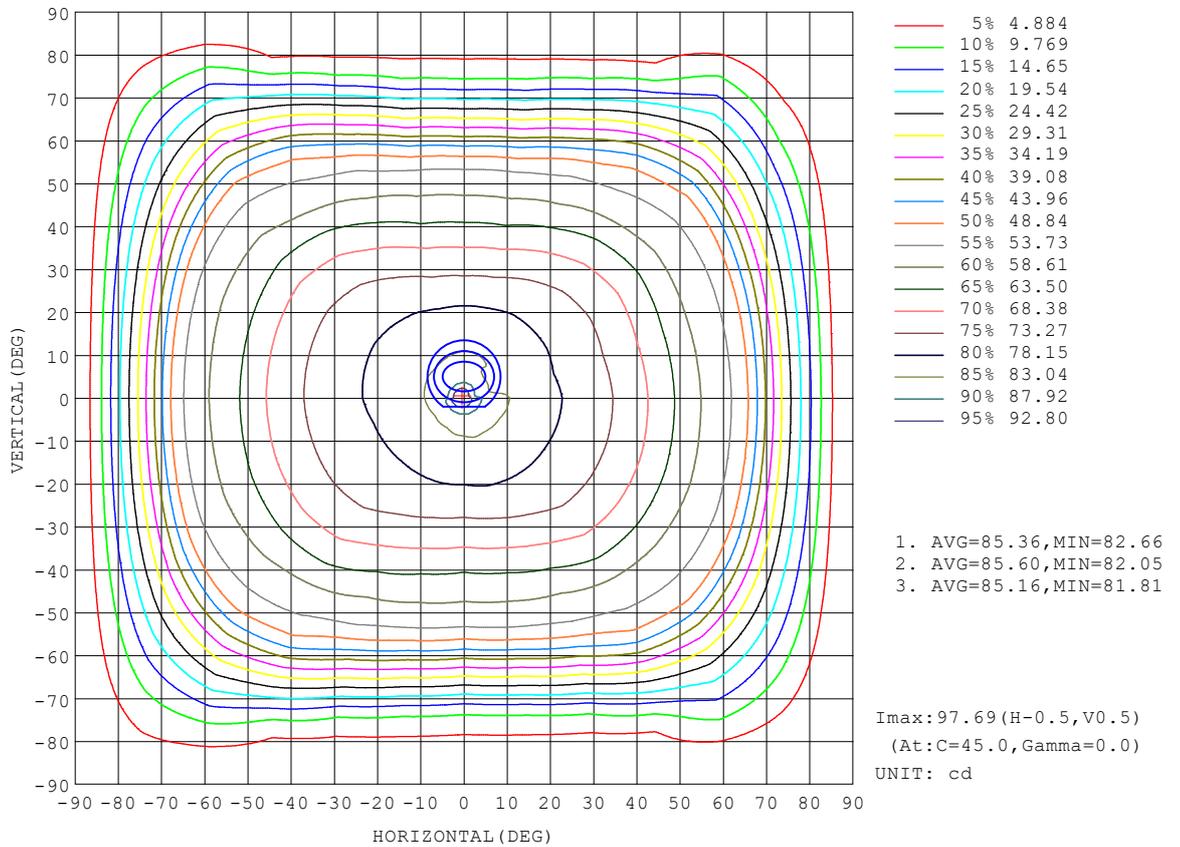
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	55	43	35	54	42	35	53	42	35	28
0.80	65	53	45	64	52	45	62	51	44	37
1.00	74	62	54	72	61	54	70	63	53	46
1.25	81	70	62	79	69	62	77	68	61	53
1.50	86	76	68	84	75	68	81	73	67	59
2.00	93	84	78	92	83	77	88	81	75	67
2.50	98	90	83	96	88	82	92	85	80	72
3.00	101	94	88	99	93	87	95	90	85	76
4.00	106	100	95	103	98	93	99	94	91	82
5.00	108	103	99	106	101	97	101	98	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SENPU
 Test Date:2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:12.000V I:0.4166A P:4.9920W PF:1.0000 Freq:0Hz Lamp Flux:279.068x1 lm		
NAME: WF-04-12V-YYY	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

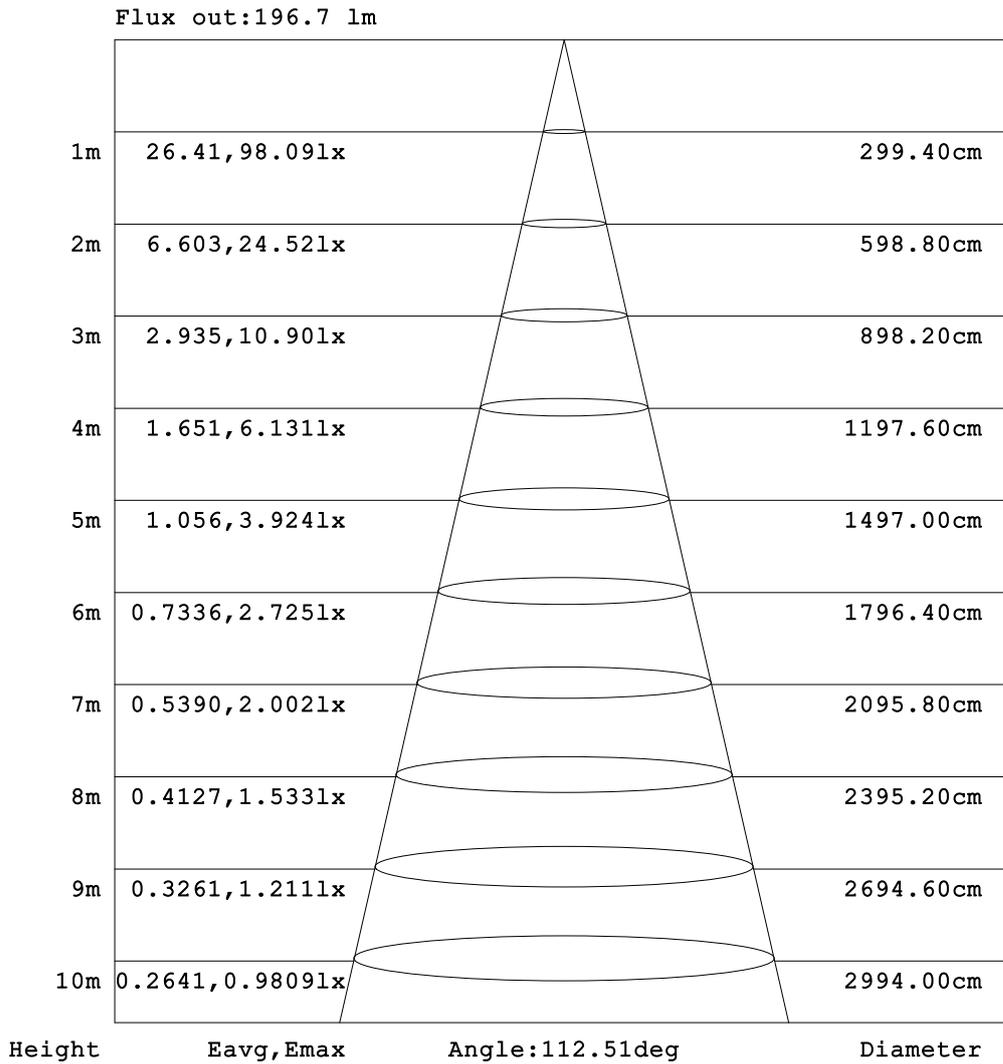


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: SENPU
 Test Date: 2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:12.000V I:0.4166A P:4.9920W PF:1.0000 Freq:0Hz Lamp Flux:279.068x1 lm		
NAME: WF-04-12V-YYY	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



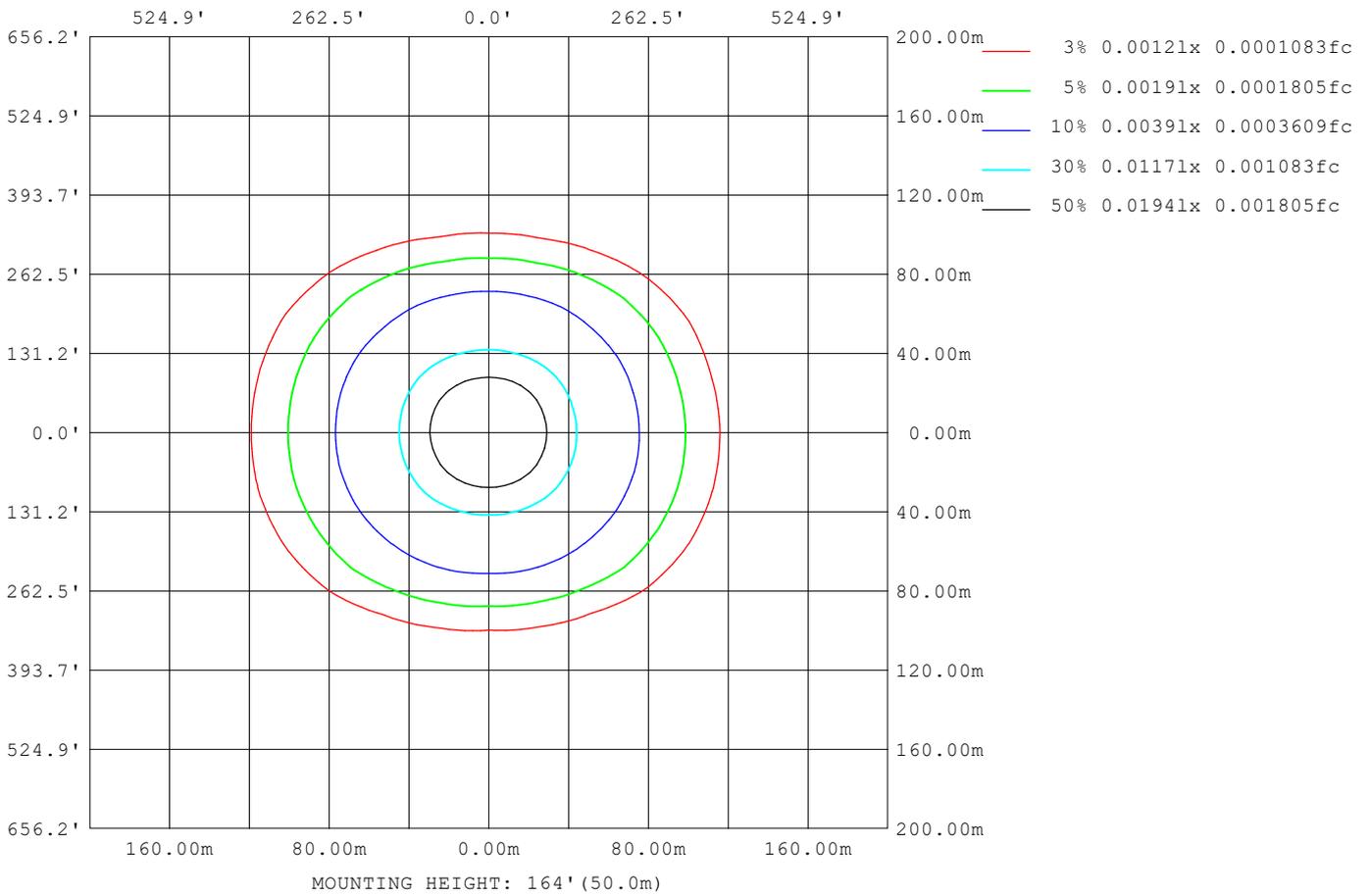
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SENPU
 Test Date:2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:12.000V I:0.4166A P:4.9920W PF:1.0000 Freq:0Hz Lamp Flux:279.068x1 lm		
NAME: WF-04-12V-YYY	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SENPU
 Test Date:2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:12.000V I:0.4166A P:4.9920W PF:1.0000 Freq:0Hz Lamp Flux:279.068x1 lm		
NAME: WF-04-12V-YYY	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

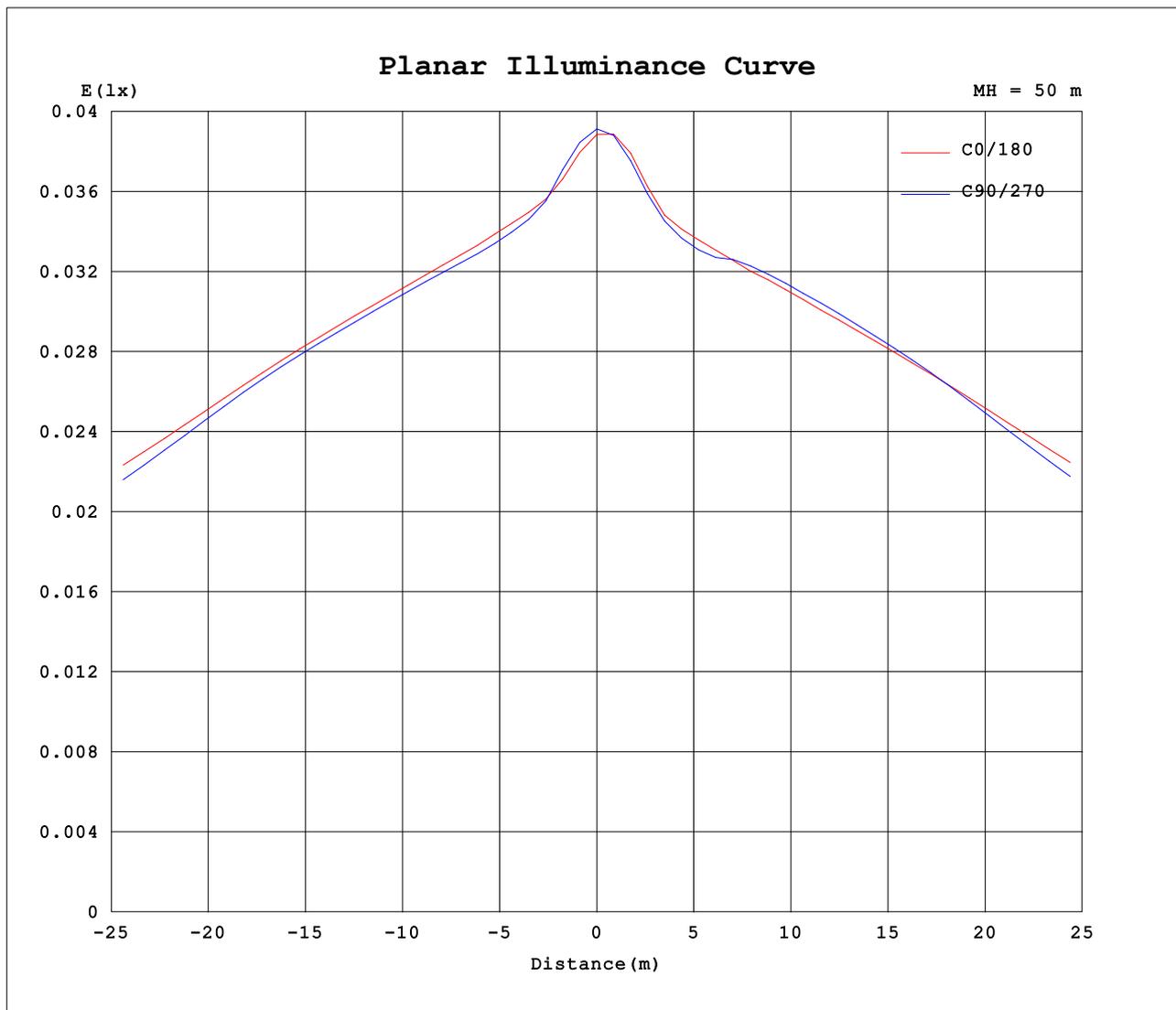
AvgL	cd/m2
L_0~180 (65) av	12295
L_0~180 (75) av	10887
L_0~180 (85) av	7182
L_90~270 (65) av	6925
L_90~270 (75) av	3235
L_90~270 (85) av	1805
L_45 (65) av	10817
L_45 (75) av	7707
L_45 (85) av	3058

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:SENPU
Test Date:2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: SENPU
 Test Date: 2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.000V I:0.4166A P:4.9920W PF:1.0000 Freq:0Hz Lamp Flux:279.068x1 lm		
NAME: WF-04-12V-YYY	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	97.1	97.7	97.6	98.1	97.9	98.0	97.8	97.6	97.3	96.6	96.4	95.3	97.1	97.7	97.6	98.1	97.9	98.0	97.8
5	87.0	86.8	86.4	86.5	86.2	86.3	85.9	85.9	85.7	86.0	85.8	86.5	86.3	85.9	85.5	84.9	84.9	84.8	85.2
10	83.3	83.1	82.8	82.7	82.6	82.7	82.4	82.3	81.9	81.8	81.7	82.1	82.7	82.8	82.9	82.8	83.0	83.3	83.5
15	81.2	80.9	80.7	80.6	80.5	80.6	80.3	80.2	79.8	79.7	79.8	80.0	80.6	80.8	80.9	80.9	81.0	81.2	81.4
20	79.3	79.1	79.0	78.9	78.8	78.7	78.2	78.4	78.3	78.3	78.4	78.6	79.2	79.4	79.5	79.4	79.3	79.1	79.1
25	77.3	77.1	77.0	76.9	76.3	75.7	75.0	75.5	76.1	76.6	76.9	77.1	77.6	77.8	77.9	77.6	76.9	75.8	75.7
30	75.4	75.3	75.2	74.9	73.6	72.5	71.8	72.5	73.6	75.0	75.5	75.7	76.2	76.3	76.3	75.7	74.2	72.6	72.2
35	72.9	73.0	72.8	72.4	70.5	69.1	68.1	69.1	70.7	72.8	73.6	73.9	74.3	74.4	74.3	73.3	71.3	69.1	68.5
40	70.0	70.1	69.9	69.2	66.7	64.8	63.9	65.0	67.2	69.9	70.9	71.3	71.7	71.7	71.6	70.3	67.6	64.8	64.2
45	66.6	66.7	66.3	65.3	62.4	60.9	60.2	61.1	63.1	66.6	67.9	68.5	68.9	68.8	68.6	66.8	63.5	60.7	60.1
50	62.3	62.5	61.9	60.6	58.3	57.5	56.8	57.7	58.9	62.0	63.8	64.8	65.1	65.0	64.6	62.2	59.1	57.3	56.8
55	58.5	58.6	57.8	56.2	54.6	52.6	50.9	53.0	55.2	57.4	59.5	60.7	61.0	60.9	60.2	57.4	55.4	52.3	51.1
60	55.3	55.4	54.4	52.5	47.3	42.6	40.5	43.3	48.5	53.6	56.0	57.6	57.9	57.8	56.7	53.7	49.4	43.1	41.1
65	50.4	50.4	49.1	44.7	35.4	30.6	28.8	31.4	37.2	46.8	51.2	53.3	53.6	53.4	52.2	47.3	38.6	31.4	29.8
70	38.5	38.5	37.0	31.2	22.9	19.0	17.3	19.7	24.7	34.2	40.8	43.5	43.5	43.4	42.4	35.4	26.5	20.3	18.7
75	25.9	26.0	24.7	18.1	11.1	8.81	7.97	9.27	12.5	20.9	28.1	30.6	30.5	30.6	29.9	22.2	14.6	9.80	8.77
80	15.3	15.4	14.4	6.37	4.52	4.11	3.90	4.36	5.11	7.99	16.3	18.9	18.6	19.0	18.1	8.81	5.60	4.50	4.25
85	5.17	5.27	4.76	2.38	1.90	1.46	1.23	1.75	2.29	2.83	5.66	7.77	7.35	7.65	6.87	2.94	2.43	2.06	1.92
90	0.84	1.17	1.45	1.04	0.63	0.23	0.19	0.20	0.54	1.04	1.70	2.24	1.72	1.98	1.88	1.14	0.57	0.29	0.19
95	0.25	0.33	0.45	0.33	0.29	0.19	0.17	0.17	0.32	0.43	0.57	0.47	0.19	0.45	0.47	0.41	0.25	0.17	0.12
100	0.17	0.26	0.33	0.29	0.24	0.19	0.15	0.17	0.25	0.28	0.34	0.31	0.17	0.29	0.25	0.17	0.11	0.13	0.12
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SENPU
 Test Date:2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.000V I:0.4166A P:4.9920W PF:1.0000 Freq:0Hz Lamp Flux:279.068x1 lm		
NAME: LT2502 (HAT)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	97.6	97.3	96.6	96.4	95.3														
5	85.0	85.2	84.7	84.6	83.8														
10	83.3	83.0	82.5	82.1	81.9														
15	81.4	81.2	81.0	80.7	80.4														
20	79.2	79.3	79.2	79.1	78.8														
25	75.9	76.7	77.0	77.1	76.8														
30	72.6	73.9	74.9	75.2	74.9														
35	68.9	70.7	72.2	72.8	72.4														
40	64.5	66.8	68.9	69.8	69.5														
45	60.4	62.4	65.0	66.3	66.0														
50	56.9	58.1	60.2	61.8	61.7														
55	51.8	54.3	55.5	57.5	58.0														
60	42.4	47.6	51.8	54.0	54.7														
65	30.6	36.4	44.0	48.9	49.3														
70	19.7	24.5	31.2	37.2	37.3														
75	9.53	12.9	18.6	25.0	24.4														
80	4.38	5.10	6.79	14.6	13.1														
85	1.86	2.17	2.51	4.93	4.14														
90	0.26	0.58	0.96	1.21	0.94														
95	0.20	0.22	0.35	0.33	0.33														
100	0.13	0.12	0.16	0.25	0.26														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SENPU
 Test Date:2021-06-03

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: