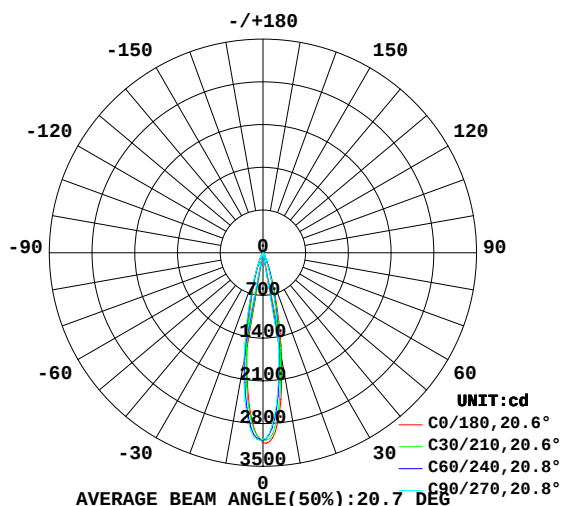


LUMINAIRE PHOTOMETRIC TEST REPORT

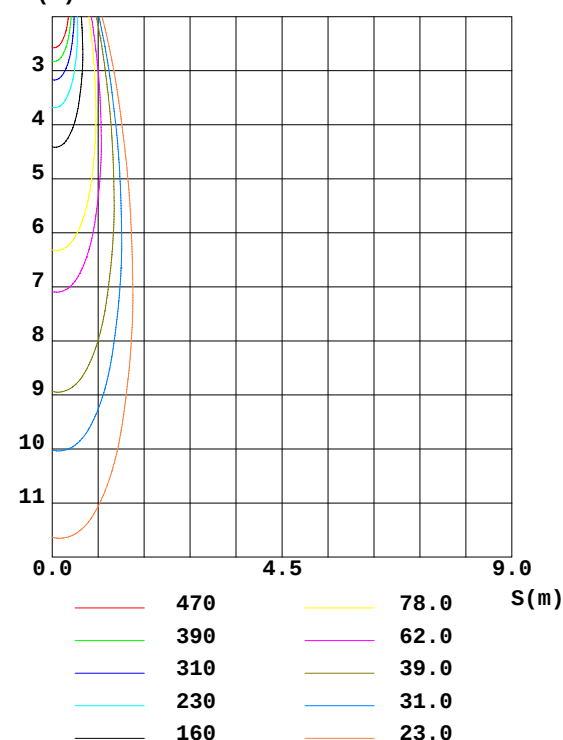
NAME: CL-Pendant35-R 3000k-RA90-30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 76.90 lm/W			
MODEL		I _{max} (cd)	3122	S/MH(C0/180)	0.37
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	526.03	η UP, DN(C0-180)	0.2, 47.2
NOMINAL FLUX(lm)	526.026	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 52.5
LAMPS INSIDE	1	η up(%)	0.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	24	η down(%)	99.6	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [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	1754	1581	1450	1415	1488	1638	1797	1798	0- 10	217.6	217.6	41.4, 41.4
20	358.2	311.5	276.9	271.7	294.7	330.3	357.1	362.5	10- 20	215.2	432.8	82.3, 82.3
30	59.82	55.28	50.54	47.36	48.43	56.55	60.48	62.04	20- 30	66.30	499.1	94.9, 94.9
40	14.07	13.30	12.70	12.30	12.38	13.06	14.09	13.83	30- 40	17.21	516.3	98.2, 98.2
50	4.117	3.468	3.174	3.465	3.738	3.984	4.161	4.180	40- 50	6.168	522.5	99.3, 99.3
60	0.5434	0.5144	0.4433	0.5900	0.6551	0.6158	0.5573	0.5308	50- 60	1.260	523.8	99.6, 99.6
70	0.1326	0.1131	0.0655	0.1509	0.1213	0.1649	0.1702	0.1201	60- 70	0.3305	524.1	99.6, 99.6
80	0	0	0	0	0	0	0	0	70- 80	0.0102	524.1	99.6, 99.6
90	0	0	0	0	0	0	0	0	80- 90	0	524.1	99.6, 99.6
100	0	0	0	0	0	0	0	0	90-100	0	524.1	99.6, 99.6
110	0	0	0	0	0	0	0	0	100-110	0	524.1	99.6, 99.6
120	0	0	0	0	0	0	0	0	110-120	0	524.1	99.6, 99.6
130	0	0	0	0	0	0	0	0	120-130	0	524.1	99.6, 99.6
140	0.0186	0.0566	0.1042	0.0755	0.1325	0.0755	0.0328	0.0543	130-140	0.0067	524.1	99.6, 99.6
150	0.6831	0.7904	0.8885	0.8636	0.8698	0.7365	0.6504	0.6539	140-150	0.2074	524.3	99.7, 99.7
160	2.164	2.277	2.380	2.355	2.300	2.117	2.000	2.006	150-160	0.6516	525.0	99.8, 99.8
170	3.190	3.176	3.153	3.154	3.200	3.049	2.987	3.018	160-170	0.7656	525.7	99.9, 99.9
180	3.303	3.209	3.185	3.190	3.318	3.209	3.176	3.190	170-180	0.3016	526.0	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

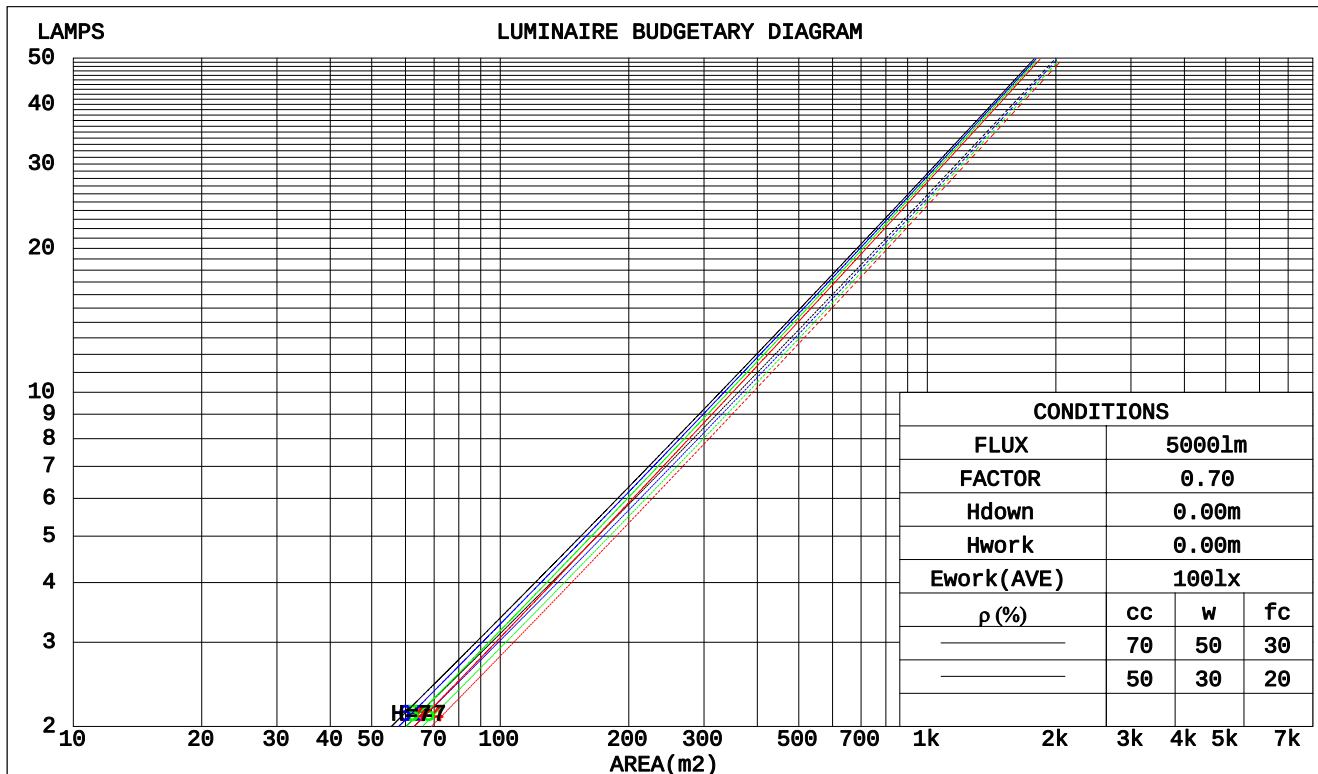
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: Pendant35-R-3000k-RA90-30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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	1.19	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	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97
2.0	1.08	1.05	1.03	1.06	1.04	1.02	1.03	1.01	.99	1.00	.99	.97	.98	.96	.95	.94
3.0	1.04	1.00	.97	1.02	.99	.97	.00	.97	.95	.98	.95	.94	.95	.94	.92	.91
4.0	.00	.96	.93	.99	.95	.93	.97	.94	.92	.95	.92	.91	.93	.91	.89	.88
5.0	.96	.93	.90	.96	.92	.89	.94	.91	.88	.92	.90	.88	.91	.89	.87	.86
6.0	.93	.89	.87	.93	.89	.86	.91	.88	.86	.90	.87	.85	.89	.87	.85	.84
7.0	.91	.87	.84	.90	.86	.84	.89	.86	.83	.88	.85	.83	.87	.84	.82	.81
8.0	.88	.84	.81	.88	.84	.81	.87	.83	.81	.86	.83	.81	.85	.82	.80	.79
9.0	.86	.82	.79	.85	.82	.79	.85	.81	.79	.84	.81	.79	.83	.80	.78	.78
10.0	.84	.80	.77	.83	.80	.77	.83	.79	.77	.82	.79	.77	.81	.79	.77	.76



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: Pendant35-R-3000k-RA90-30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	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	.132	.075	.024	.126	.072	.023	.113	.065	.021	.102	.059	.019	.091	.053	.017		
2.0	.122	.067	.021	.117	.064	.020	.106	.059	.018	.097	.054	.017	.088	.050	.016		
3.0	.114	.061	.018	.109	.058	.018	.101	.054	.017	.093	.051	.016	.085	.047	.015		
4.0	.106	.055	.016	.103	.054	.016	.095	.050	.015	.088	.048	.014	.082	.045	.014		
5.0	.100	.051	.015	.097	.050	.014	.090	.047	.014	.085	.045	.013	.079	.042	.013		
6.0	.094	.047	.014	.092	.046	.013	.086	.044	.013	.081	.042	.012	.077	.040	.012		
7.0	.090	.044	.013	.087	.043	.012	.082	.042	.012	.078	.040	.012	.074	.038	.011		
8.0	.085	.042	.012	.083	.041	.012	.079	.039	.011	.075	.038	.011	.072	.037	.011		
9.0	.081	.039	.011	.079	.039	.011	.076	.037	.011	.072	.036	.010	.069	.035	.010		
10.0	.078	.037	.010	.076	.037	.010	.073	.036	.010	.070	.035	.010	.067	.034	.010		

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	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021		
1.0	.171	.161	.151	.146	.138	.130	.100	.095	.090	.058	.055	.052	.018	.018	.017		
2.0	.152	.136	.121	.131	.117	.105	.090	.081	.073	.052	.047	.043	.017	.015	.014		
3.0	.137	.116	.099	.118	.100	.086	.081	.070	.060	.047	.041	.036	.015	.013	.012		
4.0	.125	.101	.082	.107	.087	.072	.073	.061	.050	.043	.036	.030	.014	.012	.010		
5.0	.114	.088	.069	.098	.076	.060	.067	.053	.043	.039	.031	.025	.013	.010	.008		
6.0	.105	.078	.059	.090	.068	.052	.062	.047	.036	.036	.028	.022	.012	.009	.007		
7.0	.097	.070	.051	.083	.061	.044	.058	.043	.032	.034	.025	.019	.011	.008	.006		
8.0	.090	.063	.044	.078	.055	.039	.054	.038	.027	.031	.023	.016	.010	.007	.005		
9.0	.085	.057	.039	.073	.050	.034	.051	.035	.024	.029	.021	.014	.010	.007	.005		
10.0	.080	.053	.035	.069	.046	.030	.048	.032	.021	.028	.019	.013	.009	.006	.004		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Uncorrected UGR Table

NAME: Pendant35-R-3000k-RA90-30D						TYPE:					WEIGHT:				
DIM.:						SPEC.:					SERIAL No.:				
MFR.: VD						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	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	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	0.2	0.2	0.2	0.2	0.2
Room dimensions						Viewed crosswise					Viewed endwise				
x = 2H y = 2H						-5.8	-5.2	-5.6	-5.1	-4.9	-6.4	-5.7	-6.2	-5.6	-5.4
3H						-6.0	-5.4	-5.7	-5.2	-5.0	-6.5	-5.9	-6.3	-5.7	-5.5
4H						-6.1	-5.5	-5.8	-5.3	-5.1	-6.6	-6.0	-6.3	-5.8	-5.6
6H						-6.1	-5.6	-5.9	-5.4	-5.1	-6.7	-6.1	-6.4	-5.9	-5.7
8H						-6.2	-5.7	-5.9	-5.4	-5.2	-6.7	-6.2	-6.4	-5.9	-5.7
12H						-6.2	-5.7	-5.9	-5.5	-5.2	-6.7	-6.3	-6.4	-6.0	-5.7
4H 2H						-6.0	-5.5	-5.8	-5.3	-5.1	-6.6	-6.0	-6.3	-5.8	-5.6
3H						-6.2	-5.7	-5.9	-5.5	-5.2	-6.7	-6.2	-6.4	-6.0	-5.7
4H						-6.3	-5.9	-6.0	-5.6	-5.3	-6.8	-6.4	-6.5	-6.1	-5.8
6H						-6.4	-6.0	-6.0	-5.7	-5.3	-6.9	-6.5	-6.6	-6.2	-5.9
8H						-6.5	-6.1	-6.1	-5.7	-5.4	-7.0	-6.6	-6.6	-6.3	-5.9
12H						-6.5	-6.2	-6.1	-5.8	-5.4	-7.0	-6.7	-6.6	-6.3	-5.9
8H 4H						-6.5	-6.1	-6.1	-5.7	-5.4	-7.0	-6.6	-6.6	-6.3	-5.9
6H						-6.6	-6.3	-6.2	-5.9	-5.5	-7.1	-6.8	-6.7	-6.4	-6.0
8H						-6.6	-6.4	-6.2	-6.0	-5.5	-7.2	-6.9	-6.7	-6.5	-6.0
12H						-6.7	-6.5	-6.2	-6.0	-5.6	-7.2	-7.0	-6.8	-6.5	-6.1
12H 4H						-6.5	-6.2	-6.1	-5.8	-5.4	-7.0	-6.7	-6.6	-6.3	-5.9
6H						-6.6	-6.4	-6.2	-6.0	-5.5	-7.2	-6.9	-6.7	-6.5	-6.0
8H						-6.7	-6.5	-6.2	-6.0	-5.6	-7.2	-7.0	-6.8	-6.5	-6.1
Variations with the observer position at spacings:															
S = 1.0H						+ 3.2 / -12.1					+ 2.9 / -12.5				
1.5H						+ 4.6 / -11.6					+ 4.4 / -11.3				
2.0H						+ 6.5 / -10.4					+ 6.6 / - 9.4				

CIE Pub.117 Corrected 526.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.2)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: Pendant35-R-3000k-RA90-30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

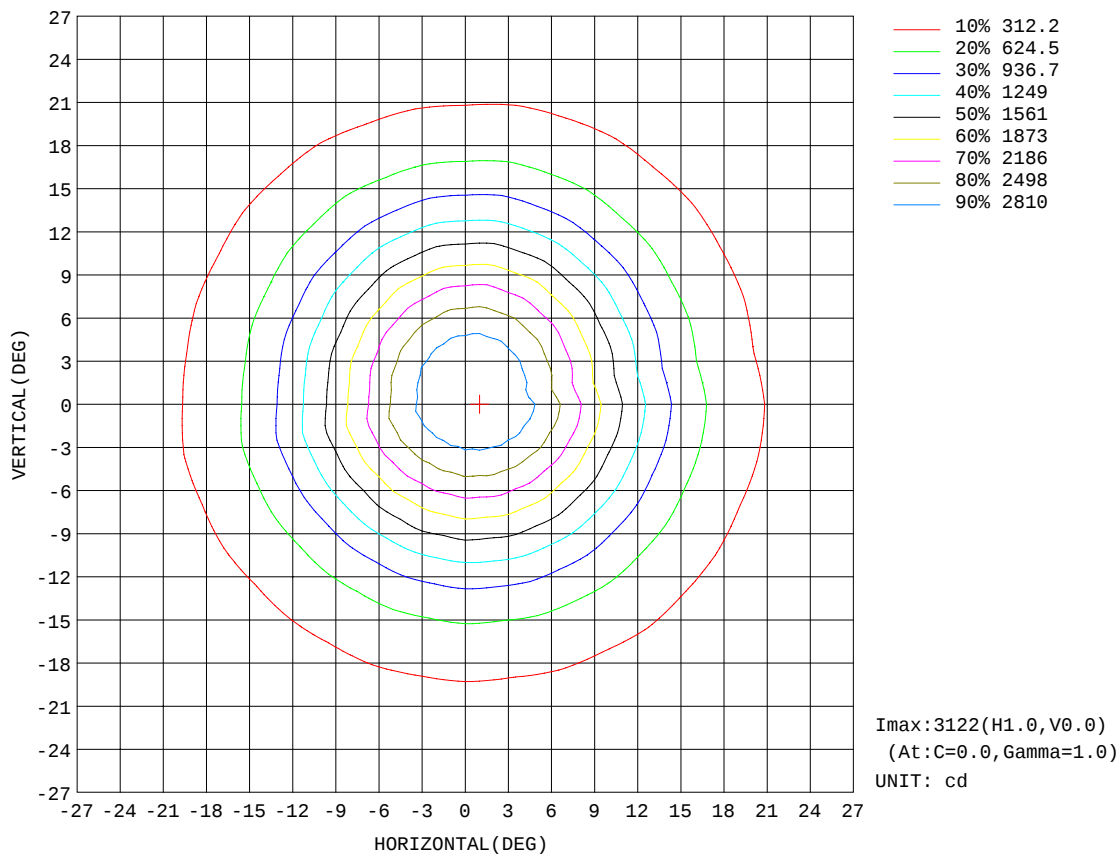
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	90	85	81	90	84	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	100	96	93	99	95	92	88
1.25	105	100	97	104	100	97	102	98	96	92
1.50	107	103	100	106	102	100	104	101	98	94
2.00	110	106	103	108	105	102	105	103	101	95
2.50	111	108	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	113	112	113	112	110	109	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: Pendant35-R-3000k-RA90-30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

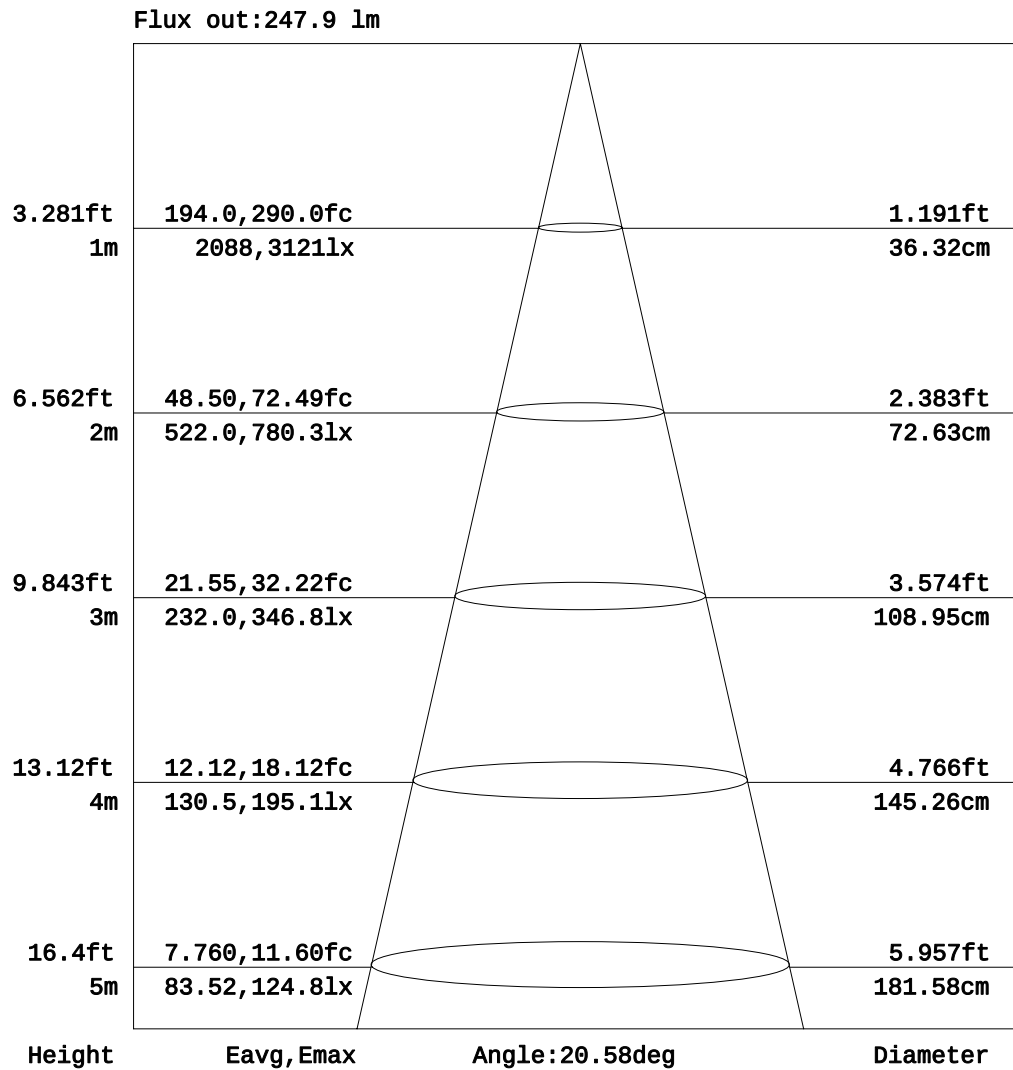


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

AAI Figure

NAME: Pendant35-R-3000k-RA90-30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



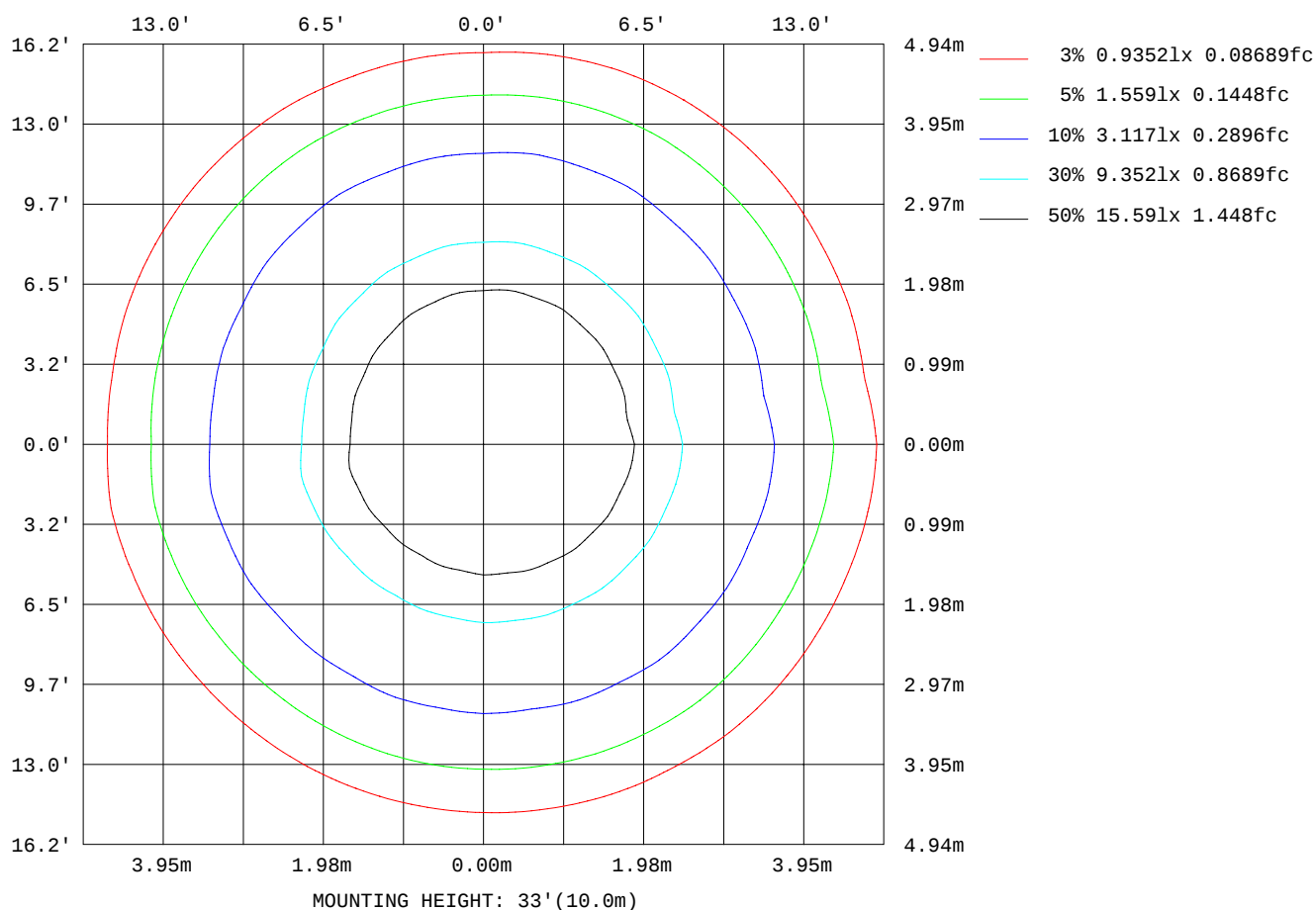
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: Pendant35-R-3000k-RA90-30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

Average Luminance Table(CIBSE)

NAME: Pendant35-R-3000k-RA90-30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	526.026	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.1	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

G	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	18	17	16	15	15	14	14	13	14	14	15	15	17	17	17	18	19	19	19
60	11	10	10	9	11	10	10	9	9	9	10	10	12	11	12	12	13	13	13
65	8	7	7	7	8	7	7	5	7	7	8	7	9	8	11	9	10	9	9
70	4	2	4	3	4	3	3	1	2	2	2	2	3	4	5	4	5	5	4
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum calculated	specified maximum	maximum measured	specified maximum
Category 1	55 to 90	19	200	---	500
Category 2	65 to 90	11	200	---	500
Category 3	75 to 90	0	200	---	500

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

No match

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Average Luminance Table(CIBSE)

NAME: Pendant35-R-3000k-RA90-30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	526.026	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.1	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:2001 Average Luminance

G deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	18	17	16	15	15	14	14	13	14	14	15	15	17	17	17	18	19	19	19
60	11	10	10	9	11	10	10	9	9	9	10	10	12	11	12	12	13	13	13
65	8	7	7	7	8	7	7	5	7	7	8	7	9	8	11	9	10	9	9
70	4	2	4	3	4	3	3	1	2	2	2	2	3	4	5	4	5	5	4
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

range (deg)	Maximum measured	Average Luminance(cd/sq.m)			
		Maximum limit for screen type & software category used			
		Type I,II screen Some neg.s'ware	Type I,II screen Only pos.s'ware	Type III screen Some neg.s'ware	Type III screen Only pos.s'ware
55 to 90	19	1000	1500	200	500
65 to 90	11	1000	1500	200	500

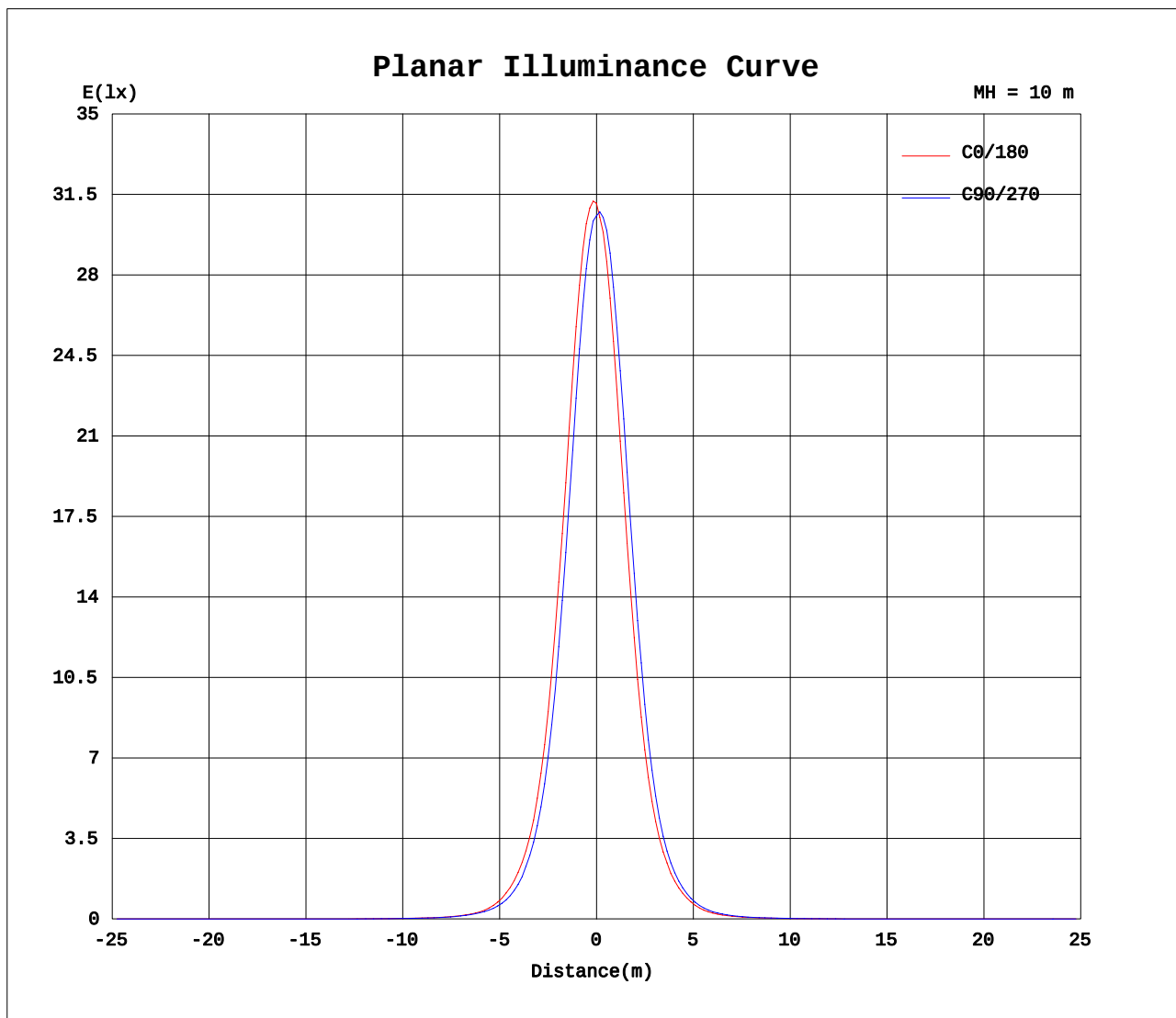
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

The luminaire satisfies the specified luminance criteria for
Negative Software with Type I & II Screen(Good to Moderate treatment).

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:7.100m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Pendant35-R-3000k-RA90-30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(°) γ (°)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	3112	3097	3092	3082	3079	3075	3071	3057	3067	3057	3065	3058	3066	3059	3067	3059	3069	3057	3112
5	2788	2769	2709	2694	2628	2614	2557	2553	2503	2507	2464	2480	2454	2490	2481	2526	2525	2576	2540
10	1754	1724	1658	1645	1587	1574	1515	1501	1449	1450	1407	1421	1393	1419	1411	1460	1472	1538	1488
15	841	816	778	768	736	729	695	684	652	653	631	636	624	638	636	663	675	712	683
20	358	348	328	324	312	311	292	290	275	277	268	273	266	273	271	286	288	305	295
25	152	145	140	134	131	127	120	118	114	112	109	111	109	111	112	117	119	125	123
30	59.8	58.3	55.7	55.9	55.0	55.6	53.5	53.2	51.0	50.5	49.4	49.2	48.0	47.9	46.8	47.8	47.8	49.8	48.4
35	27.6	27.5	26.6	26.6	26.3	26.4	25.6	25.5	24.7	24.5	23.9	24.1	23.4	23.4	22.9	23.2	22.8	23.1	22.5
40	14.1	14.0	13.6	13.6	13.3	13.3	12.9	12.9	12.7	12.7	12.5	12.7	12.4	12.3	12.3	12.4	12.3	12.5	12.4
45	8.51	8.45	8.23	8.22	7.85	7.72	7.54	7.60	7.42	7.47	7.35	7.51	7.47	7.63	7.57	7.71	7.68	7.85	7.81
50	4.12	4.09	3.81	3.80	3.50	3.44	3.18	3.23	3.08	3.17	3.13	3.31	3.27	3.48	3.45	3.70	3.71	3.94	3.74
55	1.02	0.96	0.91	0.87	0.89	0.79	0.79	0.76	0.79	0.78	0.85	0.86	0.95	0.95	0.98	1.02	1.07	1.12	1.07
60	0.54	0.50	0.52	0.47	0.55	0.48	0.50	0.43	0.46	0.44	0.52	0.51	0.60	0.57	0.61	0.58	0.65	0.64	0.66
65	0.32	0.28	0.32	0.28	0.35	0.28	0.30	0.23	0.30	0.28	0.32	0.30	0.38	0.36	0.44	0.39	0.42	0.39	0.38
70	0.13	0.08	0.12	0.09	0.14	0.09	0.09	0.03	0.07	0.07	0.07	0.07	0.10	0.12	0.18	0.14	0.18	0.16	0.12
75	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
80	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
85	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
90	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
95	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
100	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
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	0.02	0.06	0.02	0.08	0.03	0.08	0.04	0.09	0.05	0.10	0.06	0.10	0.06	0.10	0.05	0.09	0.04	0.08	0.13
145	0.24	0.29	0.25	0.31	0.28	0.34	0.31	0.36	0.33	0.38	0.34	0.38	0.34	0.38	0.33	0.36	0.31	0.33	0.38
150	0.68	0.74	0.72	0.78	0.76	0.82	0.80	0.86	0.84	0.89	0.86	0.89	0.86	0.89	0.84	0.85	0.80	0.80	0.87
155	1.37	1.42	1.41	1.47	1.47	1.52	1.52	1.57	1.57	1.61	1.60	1.62	1.59	1.60	1.56	1.57	1.51	1.51	1.55
160	2.16	2.21	2.20	2.26	2.25	2.30	2.30	2.35	2.34	2.38	2.35	2.38	2.35	2.38	2.33	2.34	2.29	2.29	2.30
165	2.83	2.88	2.84	2.90	2.87	2.92	2.90	2.95	2.91	2.96	2.92	2.96	2.91	2.95	2.89	2.93	2.87	2.89	2.90
170	3.19	3.24	3.17	3.21	3.15	3.20	3.15	3.15	3.15	3.15	3.15	3.15	3.14	3.17	3.14	3.19	3.14	3.20	3.20
175	3.28	3.31	3.24	3.25	3.20	3.21	3.17	3.18	3.16	3.18	3.16	3.18	3.16	3.18	3.16	3.20	3.19	3.23	3.27
180	3.30	3.31	3.26	3.26	3.21	3.21	3.19	3.19	3.18	3.19	3.19	3.19	3.19	3.19	3.19	3.20	3.21	3.24	3.32

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Pendant35-R-3000k-RA90-30D	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(°)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
γ (°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	3097	3092	3082	3079	3075	3071	3057	3067	3057	3065	3058	3066	3059	3067	3059	3069	3057		
5	2539	2588	2596	2652	2663	2718	2730	2780	2779	2817	2801	2822	2790	2797	2755	2752	2693		
10	1494	1547	1558	1626	1651	1724	1740	1798	1797	1843	1821	1844	1797	1799	1743	1735	1667		
15	685	713	722	763	779	823	832	865	864	894	879	886	859	858	824	822	785		
20	296	309	310	328	333	349	346	356	357	373	372	377	363	362	350	348	331		
25	124	131	136	139	144	146	147	148	149	154	157	159	157	155	150	146	140		
30	48.9	50.9	52.2	55.6	57.5	59.6	59.0	60.0	60.5	63.0	63.4	64.5	62.4	61.7	59.0	57.7	54.8		
35	22.5	22.9	23.3	24.8	25.7	26.7	26.7	27.4	27.5	28.3	28.6	28.6	27.5	27.1	26.3	26.1	25.2		
40	12.4	12.5	12.7	13.0	13.1	13.6	13.6	14.1	14.1	14.4	14.3	14.3	13.8	13.8	13.5	13.4	13.0		
45	7.79	7.92	7.86	7.97	7.86	8.08	8.17	8.43	8.40	8.53	8.32	8.45	8.37	8.42	8.21	8.23	8.01		
50	3.75	3.89	3.83	4.02	3.95	4.10	4.04	4.24	4.16	4.31	4.21	4.34	4.15	4.21	3.99	3.99	3.66		
55	1.10	1.04	1.05	1.06	1.07	1.07	1.09	1.12	1.09	1.12	1.09	1.10	1.09	1.05	0.98	0.96	0.91		
60	0.70	0.60	0.64	0.59	0.64	0.57	0.61	0.54	0.56	0.53	0.58	0.51	0.56	0.50	0.51	0.47	0.51		
65	0.43	0.37	0.42	0.36	0.41	0.33	0.39	0.33	0.35	0.32	0.34	0.28	0.33	0.26	0.28	0.25	0.29		
70	0.18	0.14	0.18	0.14	0.19	0.14	0.19	0.14	0.17	0.12	0.17	0.11	0.15	0.09	0.11	0.07	0.12		
75	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		
80	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		
85	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		
90	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		
95	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		
100	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		
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		
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		
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		
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		
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		
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		
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		
140	0.08	0.11	0.06	0.10	0.05	0.08	0.04	0.08	0.03	0.07	0.02	0.07	0.03	0.08	0.03	0.09	0.05		
145	0.33	0.36	0.31	0.33	0.28	0.31	0.26	0.29	0.25	0.27	0.23	0.27	0.24	0.28	0.24	0.29	0.27		
150	0.81	0.82	0.76	0.77	0.71	0.72	0.67	0.69	0.65	0.68	0.63	0.66	0.64	0.67	0.66	0.70	0.70		
155	1.49	1.48	1.42	1.42	1.36	1.36	1.31	1.32	1.26	1.29	1.25	1.28	1.25	1.30	1.29	1.34	1.33		
160	2.22	2.22	2.16	2.15	2.08	2.09	2.04	2.05	2.00	2.02	1.98	2.01	1.99	2.03	2.02	2.07	2.07		
165	2.81	2.83	2.75	2.77	2.69	2.71	2.65	2.68	2.63	2.66	2.61	2.65	2.62	2.67	2.65	2.70	2.69		
170	3.12	3.13	3.05	3.08	3.02	3.05	3.00	3.04	2.99	3.03	2.98	3.03	2.99	3.05	3.01	3.07	3.04		
175	3.20	3.20	3.13	3.17	3.11	3.16	3.11	3.16	3.11	3.15	3.11	3.16	3.11	3.16	3.13	3.19	3.16		
180	3.29	3.29	3.22	3.22	3.19	3.19	3.18	3.19	3.18	3.19	3.18	3.19	3.19	3.19	3.20	3.22	3.24		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: tang
Test Date: 2022-04-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.262
Humidity: 65.0%
Test Distance: 7.100m [K=1.0000]
Remarks: