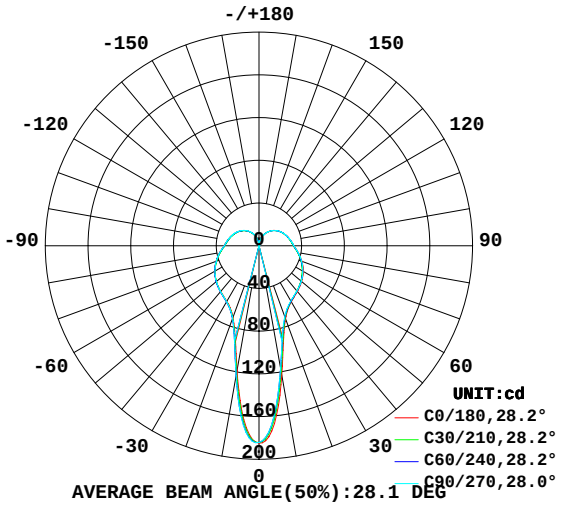
LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: pendant35-R-A-20-3000k-Ra90-5W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

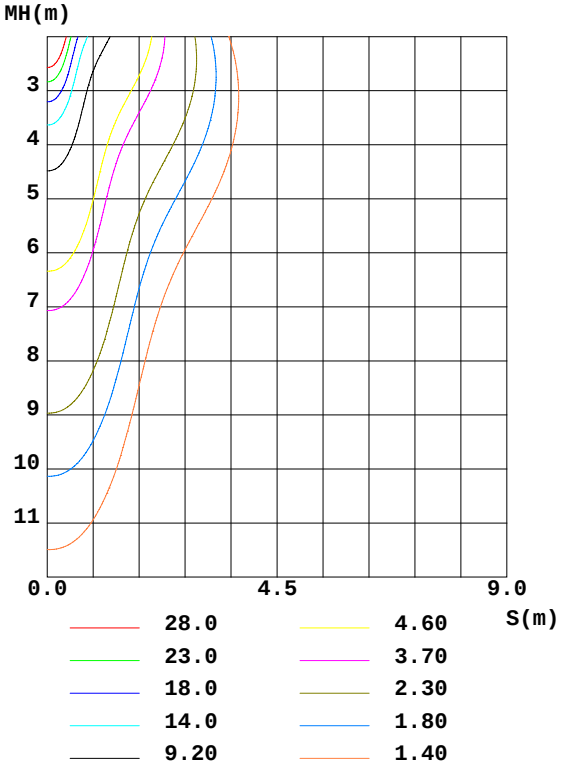
DATA OF LAMP		PHOTOMETRIC DATA Eff: 66.07 lm/W			
MODEL		Imax(cd)	184.8	S/MH(C0/180)	0.47
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	459.82	η UP,DN(C0-180)	15.8,34.1
NOMINAL FLUX(lm)	459.822	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	15.7,34.4
LAMPS INSIDE	1	η up(%)	31.6	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	24	η down(%)	68.4	CIBSE SHR MAX	0.80

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):28.1 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-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	123.0	118.0	116.5	117.6	118.7	122.5	123.8	122.9	0- 10	14.22	14.22	3.09,3.09
20	72.75	71.63	70.69	70.23	71.50	72.56	72.63	71.90	10- 20	24.91	39.13	8.51,8.51
30	60.58	60.06	59.68	58.79	60.25	60.78	60.68	59.83	20- 30	29.77	68.89	15,15
40	55.97	55.25	55.33	54.23	55.87	56.17	56.06	55.08	30- 40	36.07	105.0	22.8,22.8
50	52.19	51.27	51.70	50.47	52.19	52.22	52.19	51.11	40- 50	41.41	146.4	31.8,31.8
60	47.81	46.84	47.44	46.30	47.83	47.61	47.72	46.64	50- 60	44.33	190.7	41.5,41.5
70	42.76	41.90	42.52	41.64	42.75	42.37	42.64	41.69	60- 70	44.39	235.1	51.1,51.1
80	37.46	36.79	37.31	36.72	37.40	36.95	37.35	36.59	70- 80	41.88	277.0	60.2,60.2
90	32.77	32.35	32.76	32.43	32.73	32.18	32.64	32.13	80- 90	37.71	314.7	68.4,68.4
100	30.03	29.75	30.05	29.91	29.97	29.45	29.95	29.58	90-100	33.93	348.6	75.8,75.8
110	27.54	27.35	27.55	27.52	27.48	27.03	27.51	27.25	100-110	30.24	378.8	82.4,82.4
120	25.00	24.85	24.98	24.98	24.91	24.57	24.99	24.80	110-120	25.96	404.8	88,88
130	22.07	21.93	22.00	22.02	21.95	21.74	22.07	21.92	120-130	21.05	425.9	92.6,92.6
140	18.55	18.42	18.44	18.46	18.41	18.33	18.54	18.42	130-140	15.71	441.6	96,96
150	14.39	14.25	14.24	14.25	14.23	14.26	14.38	14.27	140-150	10.36	451.9	98.3,98.3
160	9.722	9.571	9.538	9.552	9.532	9.638	9.716	9.610	150-160	5.606	457.5	99.5,99.5
170	4.772	4.599	4.516	4.545	4.529	4.383	4.062	4.593	160-170	2.088	459.6	100,100
180	0.2831	0.2831	0.2784	0.2784	0.2879	0.2784	0.2784	0.2784	170-180	0.2064	459.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

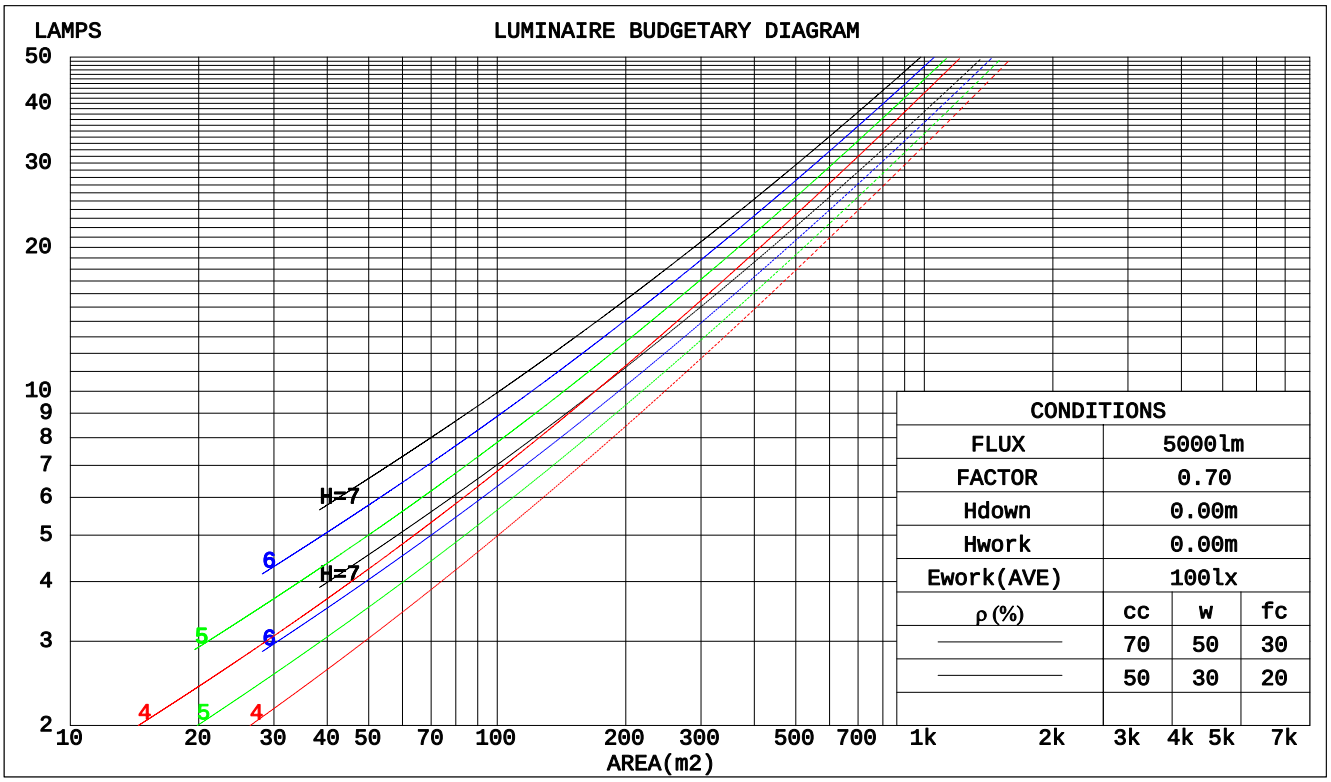
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-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-A-20-3000k-Ra90-5W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION 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	1.12	1.12	1.12	1.05	1.05	1.05	.94	.94	.94	.83	.83	.83	.73	.73	.73	.68
1.0	.92	.87	.82	.87	.82	.78	.77	.73	.69	.67	.64	.62	.59	.57	.54	.50
2.0	.79	.71	.65	.74	.67	.61	.65	.60	.55	.57	.53	.49	.50	.47	.44	.40
3.0	.68	.60	.53	.64	.57	.50	.57	.51	.45	.50	.45	.40	.44	.39	.36	.32
4.0	.60	.51	.44	.57	.48	.42	.50	.43	.38	.44	.39	.34	.39	.34	.30	.27
5.0	.54	.44	.38	.51	.42	.36	.45	.38	.33	.40	.34	.29	.35	.30	.26	.23
6.0	.48	.39	.33	.46	.37	.31	.41	.34	.28	.36	.30	.26	.32	.27	.23	.20
7.0	.44	.35	.29	.41	.33	.27	.37	.30	.25	.33	.27	.23	.29	.24	.21	.18
8.0	.40	.31	.25	.38	.30	.24	.34	.27	.22	.30	.25	.20	.27	.22	.18	.16
9.0	.36	.28	.23	.35	.27	.22	.31	.25	.20	.28	.22	.18	.25	.20	.17	.15
10.0	.34	.26	.21	.32	.25	.20	.29	.23	.18	.26	.21	.17	.23	.19	.15	.13



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-13

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

WEC AND CCEC

NAME: pendant35-R-A-20-3000k-Ra90-5W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION 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						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.388	.221	.070	.371	.212	.067	.339	.195	.062	.310	.179	.057	.284	.164	.053	
2.0	.330	.181	.055	.315	.173	.053	.286	.159	.049	.260	.146	.046	.235	.133	.042	
3.0	.290	.155	.046	.277	.148	.045	.251	.136	.041	.227	.124	.038	.204	.113	.035	
4.0	.260	.135	.040	.248	.130	.038	.224	.119	.035	.202	.108	.033	.181	.098	.030	
5.0	.236	.120	.035	.224	.115	.034	.202	.105	.031	.182	.096	.029	.163	.087	.026	
6.0	.215	.108	.031	.205	.104	.030	.185	.095	.028	.166	.086	.025	.149	.078	.023	
7.0	.198	.098	.028	.189	.094	.027	.170	.086	.025	.153	.079	.023	.137	.071	.021	
8.0	.184	.090	.025	.175	.086	.024	.158	.079	.023	.142	.072	.021	.127	.065	.019	
9.0	.171	.083	.023	.163	.079	.022	.147	.073	.021	.132	.066	.019	.118	.060	.017	
10.0	.160	.077	.021	.152	.074	.021	.138	.067	.019	.124	.062	.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	.431	.431	.431	.368	.368	.368	.251	.251	.251	.144	.144	.144	.046	.046	.046	
1.0	.428	.398	.371	.366	.342	.319	.251	.235	.221	.144	.136	.128	.046	.044	.041	
2.0	.421	.376	.338	.361	.324	.292	.247	.224	.203	.143	.130	.119	.046	.042	.039	
3.0	.414	.360	.317	.355	.310	.275	.244	.216	.193	.141	.126	.114	.045	.041	.037	
4.0	.406	.348	.303	.348	.300	.263	.240	.209	.185	.139	.123	.110	.045	.040	.036	
5.0	.398	.338	.294	.342	.293	.256	.236	.204	.180	.137	.120	.107	.044	.039	.035	
6.0	.391	.330	.287	.336	.286	.250	.232	.200	.177	.135	.118	.105	.043	.039	.035	
7.0	.384	.324	.282	.330	.281	.246	.228	.197	.174	.133	.116	.104	.043	.038	.034	
8.0	.377	.319	.278	.325	.276	.243	.225	.194	.172	.131	.114	.103	.042	.038	.034	
9.0	.371	.314	.275	.320	.272	.240	.222	.191	.170	.129	.113	.102	.042	.037	.034	
10.0	.365	.310	.273	.315	.269	.238	.219	.189	.169	.127	.112	.101	.041	.037	.033	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-13

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

Uncorrected UGR Table

NAME: pendant35-R-A-20-3000k-Ra90-5W	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
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	10.3	11.5	10.9	12.1	13.0	10.3	11.5	11.0	12.2	13.0
3H	13.0	14.1	13.7	14.8	15.6	13.0	14.1	13.7	14.8	15.7
4H	14.5	15.5	15.2	16.2	17.1	14.5	15.5	15.2	16.3	17.1
6H	16.1	17.1	16.9	17.9	18.8	16.1	17.1	16.9	17.9	18.8
8H	17.0	18.0	17.8	18.8	19.7	17.1	18.0	17.8	18.8	19.7
12H	18.1	19.0	18.9	19.8	20.7	18.1	19.0	18.9	19.8	20.7
4H 2H	11.1	12.1	11.8	12.9	13.8	11.1	12.2	11.8	12.9	13.8
3H	14.0	14.9	14.7	15.7	16.6	14.0	14.9	14.8	15.7	16.6
4H	15.6	16.5	16.4	17.2	18.2	15.7	16.5	16.4	17.3	18.2
6H	17.5	18.2	18.3	19.0	20.0	17.5	18.2	18.3	19.0	20.0
8H	18.5	19.2	19.3	20.0	21.0	18.5	19.2	19.3	20.0	21.0
12H	19.7	20.3	20.5	21.1	22.2	19.7	20.3	20.5	21.2	22.2
8H 4H	16.2	16.9	17.0	17.7	18.7	16.3	17.0	17.1	17.8	18.8
6H	18.3	18.9	19.2	19.8	20.8	18.4	19.0	19.2	19.8	20.8
8H	19.5	20.1	20.4	20.9	22.0	19.6	20.1	20.4	21.0	22.0
12H	20.9	21.4	21.8	22.3	23.4	21.0	21.4	21.8	22.3	23.4
12H 4H	16.4	17.0	17.2	17.9	18.9	16.4	17.1	17.2	17.9	18.9
6H	18.6	19.1	19.4	20.0	21.0	18.6	19.2	19.5	20.0	21.1
8H	19.9	20.4	20.8	21.3	22.3	19.9	20.4	20.8	21.3	22.4

Variations with the observer position at spacings:		
S = 1.0H	+ 0.1 / - 0.1	+ 0.1 / - 0.1
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.3 / - 0.4	+ 0.3 / - 0.4

CIE Pub.117 Corrected 459.8 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.7)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-13

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

UTILIZATION FACTORS TABLE

NAME: pendant35-R-A-20-3000k-Ra90-5W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

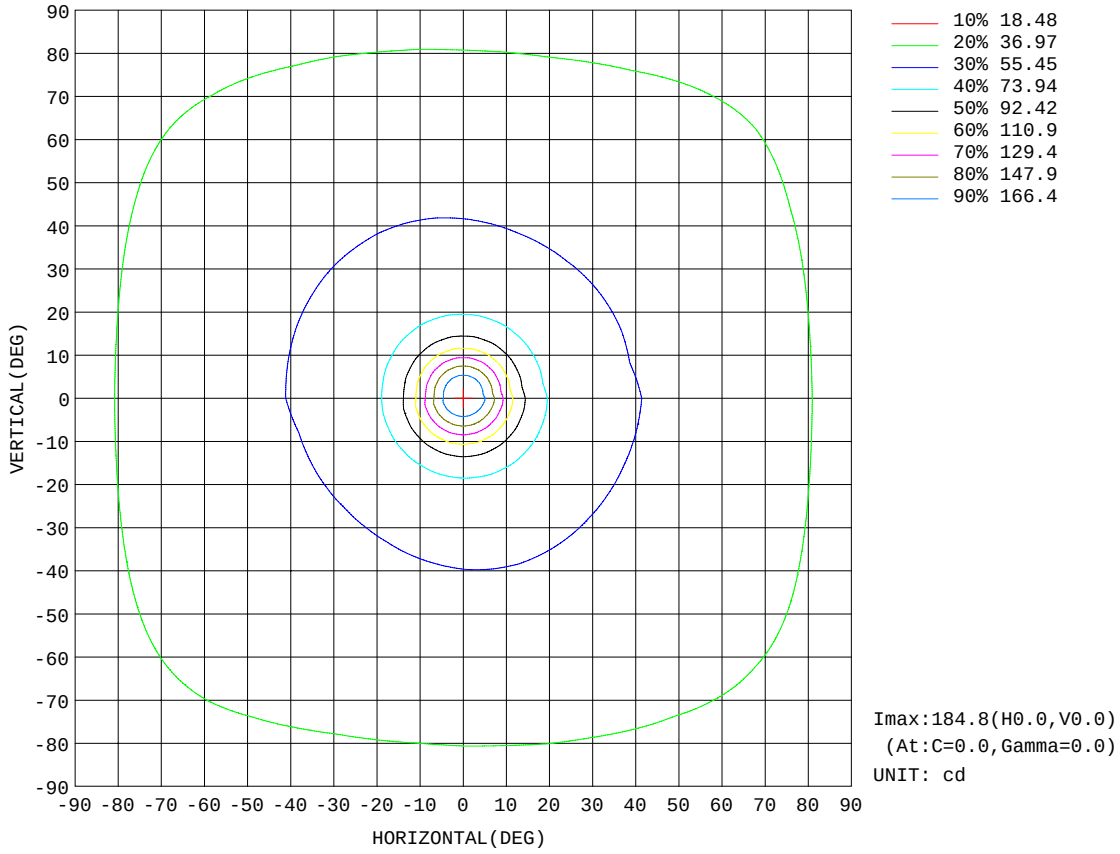
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	44	32	25	43	31	24	40	30	24	17
0.80	53	40	32	51	39	31	47	37	30	21
1.00	60	47	38	58	45	37	53	45	36	26
1.25	67	54	45	64	52	44	58	48	41	30
1.50	72	59	50	68	57	49	62	53	46	33
2.00	79	68	59	75	65	57	68	59	53	38
2.50	84	73	65	79	70	62	71	64	57	42
3.00	88	78	70	83	74	67	74	67	61	45
4.00	93	84	77	87	80	74	78	72	67	49
5.00	96	88	82	90	84	78	81	75	71	51
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:2022-04-13

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

ISOCANDELA DIAGRAM

NAME: pendant35-R-A-20-3000k-Ra90-5W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:



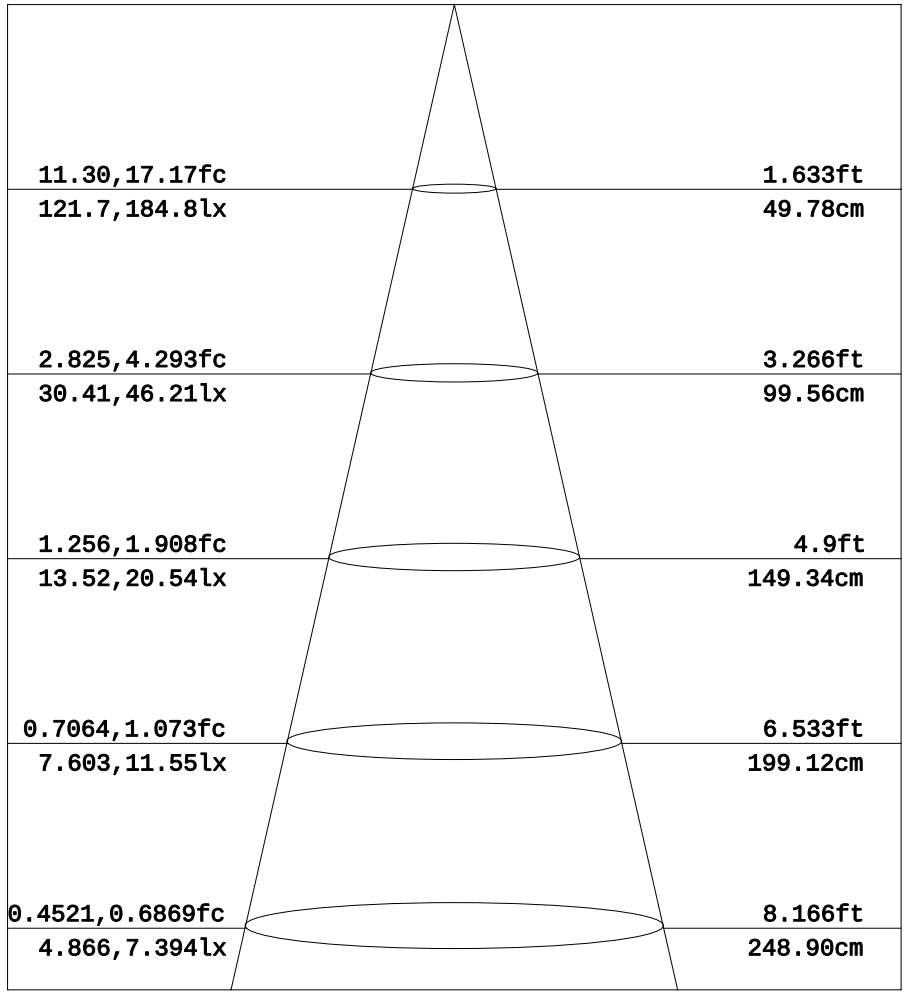
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-13

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

AAI Figure

NAME: pendant35-R-A-20-3000k-Ra90-5W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Flux out:23.76 lm



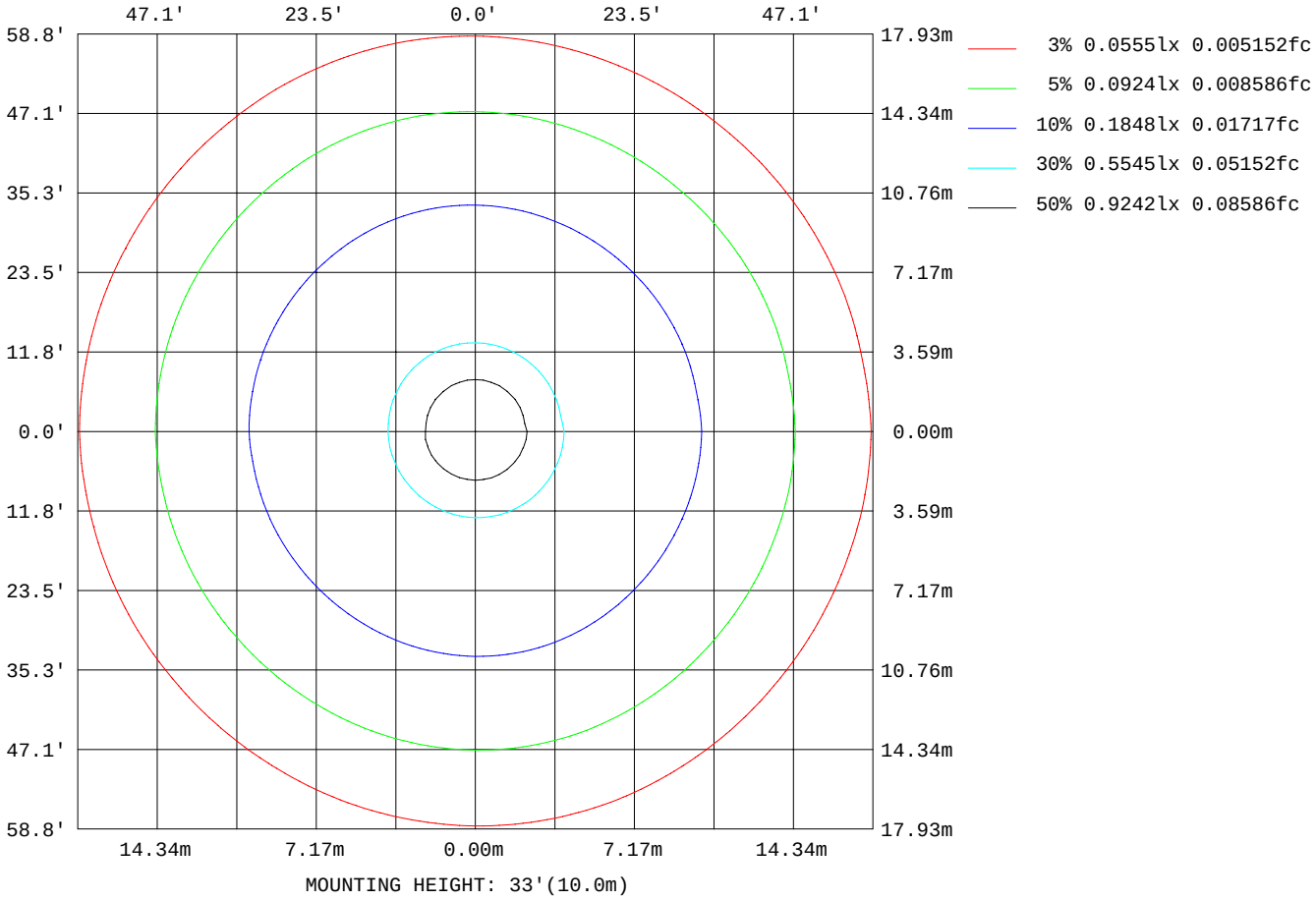
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-13

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

ISOLUX DIAGRAM

NAME: pendant35-R-A-20-3000k-Ra90-5W	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:2022-04-13

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

Average Luminance Table(CIBSE)

NAME: pendant35-R-A-20-3000k-Ra90-5W	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	459.822	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	873	867	860	856	855	858	863	867	868	866	860	854	847	845	845	850	855	862	874
60	956	949	940	936	934	939	944	950	951	949	942	936	928	926	926	932	938	945	957
65	1073	1066	1055	1050	1048	1054	1060	1067	1068	1066	1058	1052	1044	1041	1042	1049	1055	1062	1074
70	1250	1242	1229	1224	1222	1229	1235	1244	1245	1243	1235	1228	1219	1217	1218	1225	1232	1239	1250
75	1549	1539	1524	1519	1515	1524	1532	1543	1543	1542	1531	1524	1514	1512	1513	1523	1529	1537	1548
80	2157	2145	2124	2117	2113	2125	2136	2150	2150	2148	2135	2126	2114	2114	2115	2128	2135	2143	2154
85	4004	3981	3945	3933	3926	3948	3965	3991	3991	3989	3965	3953	3935	3937	3942	3962	3972	3980	3995

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	4004	200	---	500
Category 2	65 to 90	4004	200	---	500
Category 3	75 to 90	4004	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:2022-04-13

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

Average Luminance Table(CIBSE)

NAME: pendant35-R-A-20-3000k-Ra90-5W	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	459.822	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	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	873	867	860	856	855	858	863	867	868	866	860	854	847	845	845	850	855	862	874
60	956	949	940	936	934	939	944	950	951	949	942	936	928	926	926	932	938	945	957
65	1073	1066	1055	1050	1048	1054	1060	1067	1068	1066	1058	1052	1044	1041	1042	1049	1055	1062	1074
70	1250	1242	1229	1224	1222	1229	1235	1244	1245	1243	1235	1228	1219	1217	1218	1225	1232	1239	1250
75	1549	1539	1524	1519	1515	1524	1532	1543	1543	1542	1531	1524	1514	1512	1513	1523	1529	1537	1548
80	2157	2145	2124	2117	2113	2125	2136	2150	2150	2148	2135	2126	2114	2114	2115	2128	2135	2143	2154
85	4004	3981	3945	3933	3926	3948	3965	3991	3991	3989	3965	3953	3935	3937	3942	3962	3972	3980	3995

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	4004	1000	1500	200	500
65 to 90	4004	1000	1500	200	500

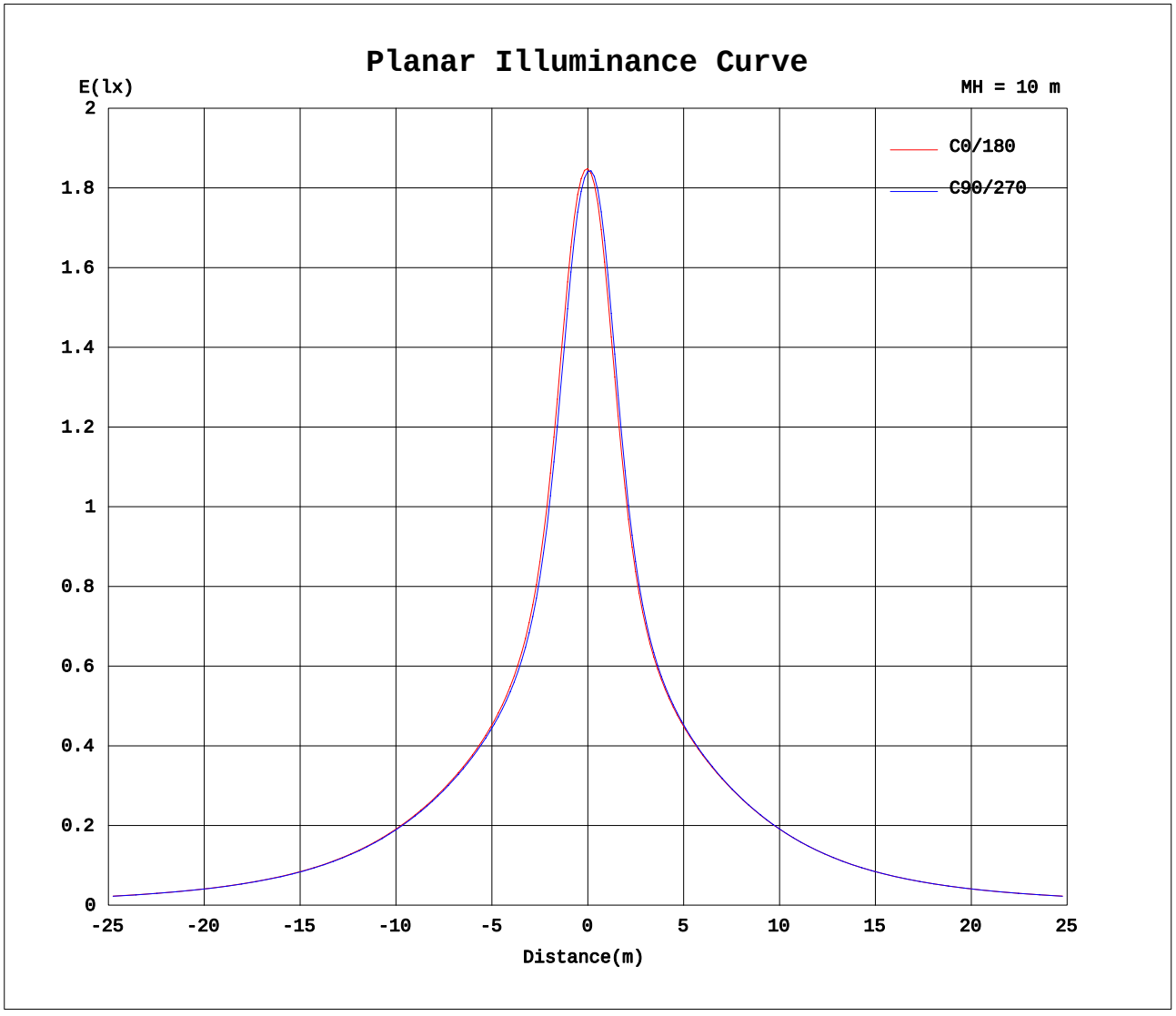
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-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:2022-04-13

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

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: pendant35-R-A-20-3000k-Ra90-5W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	185	185	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	185
5	167	166	164	164	162	162	161	161	160	161	160	161	161	162	162	163	164	165	163
10	123	122	120	120	118	118	117	117	116	116	116	117	117	118	118	119	119	121	119
15	89.3	88.9	88.0	87.7	86.9	86.8	86.1	86.1	85.4	85.5	85.1	85.4	85.1	85.6	85.7	86.4	86.6	87.5	86.9
20	72.7	72.6	72.2	72.0	71.7	71.6	71.3	71.1	70.8	70.7	70.4	70.3	70.1	70.2	70.2	70.6	70.8	71.3	71.5
25	64.8	64.7	64.5	64.4	64.2	64.1	64.0	63.9	63.7	63.5	63.3	63.1	62.9	62.8	62.8	63.0	63.2	63.6	64.2
30	60.6	60.5	60.2	60.2	60.0	60.1	60.0	60.0	59.8	59.7	59.4	59.2	58.9	58.8	58.8	59.0	59.1	59.5	60.3
35	58.0	57.8	57.5	57.4	57.3	57.4	57.4	57.5	57.4	57.2	56.9	56.7	56.4	56.2	56.2	56.4	56.6	57.0	57.8
40	56.0	55.7	55.4	55.3	55.2	55.3	55.4	55.5	55.5	55.3	55.0	54.7	54.4	54.2	54.2	54.4	54.7	55.0	55.9
45	54.1	53.8	53.5	53.3	53.2	53.4	53.5	53.7	53.7	53.6	53.2	52.9	52.6	52.4	52.4	52.6	52.9	53.3	54.1
50	52.2	51.9	51.5	51.3	51.2	51.4	51.6	51.8	51.8	51.7	51.4	51.0	50.6	50.5	50.5	50.7	51.1	51.4	52.2
55	50.1	49.8	49.3	49.1	49.0	49.2	49.5	49.7	49.8	49.7	49.3	49.0	48.6	48.5	48.5	48.7	49.1	49.4	50.1
60	47.8	47.5	47.0	46.8	46.7	47.0	47.2	47.5	47.5	47.4	47.1	46.8	46.4	46.3	46.3	46.6	46.9	47.2	47.8
65	45.3	45.0	44.6	44.4	44.3	44.5	44.8	45.1	45.1	45.1	44.7	44.5	44.1	44.0	44.0	44.3	44.6	44.9	45.4
70	42.8	42.5	42.0	41.9	41.8	42.0	42.2	42.6	42.6	42.5	42.2	42.0	41.7	41.6	41.6	41.9	42.1	42.4	42.8
75	40.1	39.8	39.4	39.3	39.2	39.4	39.6	39.9	39.9	39.9	39.6	39.4	39.2	39.1	39.2	39.4	39.6	39.8	40.1
80	37.5	37.2	36.9	36.8	36.7	36.9	37.1	37.3	37.3	37.3	37.1	36.9	36.7	36.7	36.7	36.9	37.1	37.2	37.4
85	34.9	34.7	34.4	34.3	34.2	34.4	34.6	34.8	34.8	34.8	34.6	34.4	34.3	34.3	34.4	34.5	34.6	34.7	34.8
90	32.8	32.6	32.4	32.3	32.3	32.4	32.6	32.8	32.8	32.8	32.6	32.5	32.4	32.4	32.5	32.6	32.6	32.6	32.7
95	31.3	31.2	31.0	30.9	30.9	31.1	31.2	31.4	31.4	31.4	31.3	31.2	31.1	31.1	31.2	31.2	31.3	31.2	31.3
100	30.0	29.9	29.7	29.7	29.7	29.8	30.0	30.1	30.1	30.0	30.0	29.9	29.9	29.9	29.9	30.0	30.0	29.9	30.0
105	28.8	28.6	28.5	28.5	28.5	28.6	28.7	28.8	28.8	28.8	28.7	28.7	28.7	28.7	28.7	28.8	28.8	28.6	28.7
110	27.5	27.4	27.3	27.3	27.3	27.4	27.5	27.6	27.6	27.6	27.5	27.5	27.5	27.5	27.5	27.6	27.5	27.4	27.5
115	26.3	26.2	26.1	26.1	26.1	26.2	26.3	26.3	26.3	26.3	26.3	26.2	26.2	26.3	26.3	26.3	26.3	26.2	26.2
120	25.0	24.9	24.8	24.8	24.8	24.9	25.0	25.0	25.0	25.0	24.9	24.9	24.9	25.0	25.0	25.0	25.0	24.9	24.9
125	23.6	23.5	23.4	23.4	23.4	23.5	23.5	23.6	23.6	23.6	23.5	23.5	23.5	23.6	23.6	23.6	23.5	23.5	23.5
130	22.1	22.0	21.9	21.9	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.9	22.0
135	20.4	20.3	20.2	20.3	20.2	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.4	20.3	20.3	20.3
140	18.5	18.5	18.4	18.4	18.4	18.4	18.4	18.5	18.4	18.4	18.4	18.4	18.4	18.5	18.5	18.5	18.5	18.4	18.4
145	16.6	16.5	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.5	16.4	16.4	16.4
150	14.4	14.4	14.3	14.3	14.2	14.3	14.2	14.3	14.2	14.2	14.2	14.2	14.2	14.3	14.3	14.3	14.3	14.3	14.2
155	12.1	12.1	12.0	12.0	12.0	12.0	11.9	12.0	11.9	11.9	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	11.9
160	9.72	9.72	9.61	9.62	9.56	9.58	9.53	9.57	9.50	9.54	9.49	9.53	9.50	9.56	9.54	9.60	9.58	9.65	9.53
165	7.26	7.24	7.16	7.16	7.09	7.11	7.06	7.08	7.02	7.04	7.01	7.04	7.02	7.08	7.07	7.13	7.13	7.19	7.05
170	4.77	4.65	4.60	4.65	4.61	4.59	4.55	4.54	4.51	4.52	4.42	4.52	4.53	4.51	4.58	4.63	4.64	4.70	4.53
175	0.31	0.30	0.33	0.30	0.32	0.29	0.32	0.30	0.33	0.34	0.36	0.28	0.37	0.47	0.52	0.58	0.60	0.67	0.29
180	0.28	0.28	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.29

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-13

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

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: pendant35-R-A-20-3000k-Ra90-5W	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: VD	SUR.:	PROTECTION ANGLE:

Table--2 UNIT: cd

C(DEG) / γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	185	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184		
5	164	165	166	167	167	168	168	169	169	169	169	169	168	167	166	165	164		
10	119	121	121	122	123	124	123	124	124	124	124	124	123	123	121	121	119		
15	87.0	87.9	88.1	88.9	88.9	89.5	89.3	89.7	89.3	89.5	89.0	89.2	88.6	88.6	87.8	87.7	86.7		
20	71.6	72.0	72.2	72.5	72.6	72.9	72.7	72.9	72.6	72.6	72.3	72.3	71.9	71.9	71.5	71.5	71.1		
25	64.3	64.5	64.6	64.8	64.9	65.1	65.0	65.0	64.8	64.7	64.5	64.3	64.1	64.0	63.8	63.8	63.6		
30	60.3	60.5	60.6	60.8	60.8	61.0	60.9	60.9	60.7	60.5	60.2	60.1	59.8	59.8	59.7	59.7	59.6		
35	57.9	58.0	58.0	58.2	58.2	58.3	58.3	58.3	58.1	57.8	57.5	57.4	57.2	57.1	57.1	57.2	57.1		
40	55.9	56.0	56.0	56.1	56.2	56.3	56.3	56.3	56.1	55.8	55.5	55.2	55.1	55.1	55.2	55.2	55.2		
45	54.1	54.2	54.2	54.2	54.3	54.4	54.5	54.4	54.2	53.9	53.5	53.3	53.1	53.2	53.3	53.4	53.4		
50	52.2	52.2	52.1	52.2	52.2	52.4	52.5	52.5	52.2	51.9	51.5	51.2	51.1	51.2	51.3	51.5	51.5		
55	50.1	50.0	49.9	50.0	50.0	50.3	50.3	50.3	50.1	49.7	49.3	49.1	48.9	49.0	49.2	49.4	49.4		
60	47.7	47.7	47.5	47.6	47.6	47.9	48.0	48.0	47.7	47.4	47.0	46.7	46.6	46.7	46.9	47.1	47.2		
65	45.2	45.1	45.0	45.0	45.1	45.4	45.5	45.5	45.3	44.9	44.5	44.3	44.2	44.3	44.5	44.7	44.7		
70	42.6	42.5	42.3	42.3	42.4	42.7	42.8	42.9	42.6	42.4	42.0	41.8	41.6	41.8	41.9	42.2	42.1		
75	39.8	39.7	39.5	39.6	39.7	40.0	40.1	40.2	40.0	39.7	39.4	39.2	39.1	39.2	39.3	39.5	39.5		
80	37.1	37.0	36.8	36.9	37.0	37.3	37.4	37.5	37.3	37.2	36.8	36.7	36.5	36.6	36.7	36.9	36.9		
85	34.5	34.4	34.2	34.3	34.4	34.7	34.8	34.9	34.8	34.7	34.4	34.3	34.1	34.2	34.3	34.4	34.4		
90	32.4	32.3	32.1	32.1	32.2	32.5	32.6	32.7	32.6	32.5	32.3	32.2	32.1	32.1	32.2	32.3	32.3		
95	31.0	30.8	30.7	30.7	30.8	31.0	31.2	31.3	31.2	31.1	31.0	30.9	30.8	30.8	30.9	30.9	30.9		
100	29.7	29.5	29.4	29.4	29.5	29.7	29.9	30.0	29.9	29.9	29.7	29.6	29.6	29.6	29.6	29.7	29.6		
105	28.5	28.3	28.2	28.2	28.3	28.5	28.6	28.7	28.7	28.6	28.5	28.5	28.4	28.4	28.4	28.4	28.4		
110	27.2	27.1	27.0	27.0	27.1	27.3	27.4	27.5	27.5	27.5	27.4	27.3	27.3	27.2	27.3	27.2	27.2		
115	26.0	25.8	25.8	25.8	25.9	26.0	26.2	26.3	26.3	26.2	26.2	26.1	26.1	26.0	26.0	26.0	26.0		
120	24.7	24.6	24.5	24.5	24.6	24.8	24.9	25.0	25.0	25.0	24.9	24.9	24.8	24.8	24.8	24.7	24.7		
125	23.3	23.2	23.1	23.2	23.3	23.4	23.5	23.6	23.6	23.6	23.5	23.5	23.4	23.4	23.4	23.3	23.3		
130	21.8	21.7	21.7	21.7	21.8	21.9	22.0	22.1	22.1	22.1	22.0	22.0	21.9	21.9	21.9	21.8	21.7		
135	20.1	20.1	20.0	20.1	20.1	20.3	20.3	20.4	20.4	20.4	20.3	20.3	20.3	20.2	20.2	20.1	20.1		
140	18.3	18.3	18.3	18.3	18.3	18.5	18.5	18.6	18.5	18.5	18.5	18.5	18.4	18.4	18.4	18.3	18.2		
145	16.3	16.3	16.3	16.4	16.4	16.5	16.5	16.6	16.5	16.6	16.5	16.5	16.4	16.4	16.3	16.3	16.2		
150	14.2	14.2	14.2	14.3	14.3	14.4	14.4	14.4	14.4	14.4	14.3	14.4	14.3	14.3	14.2	14.2	14.1		
155	11.9	11.9	11.9	12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.0	12.0	11.9	11.9	11.8		
160	9.49	9.56	9.56	9.64	9.64	9.72	9.71	9.75	9.72	9.73	9.67	9.68	9.62	9.60	9.53	9.52	9.42		
165	7.04	7.11	7.12	7.19	7.19	7.24	7.19	7.22	7.21	7.24	7.22	7.22	7.17	7.15	7.09	7.06	6.99		
170	4.55	4.60	4.61	4.52	4.24	4.27	3.87	3.88	4.06	4.03	3.98	4.25	4.54	4.64	4.60	4.50	4.37		
175	0.31	0.33	0.34	0.36	0.34	0.28	0.31	0.34	0.34	0.31	0.31	0.28	0.30	0.28	0.29	0.28	0.29		
180	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:tang
Test Date:2022-04-13

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