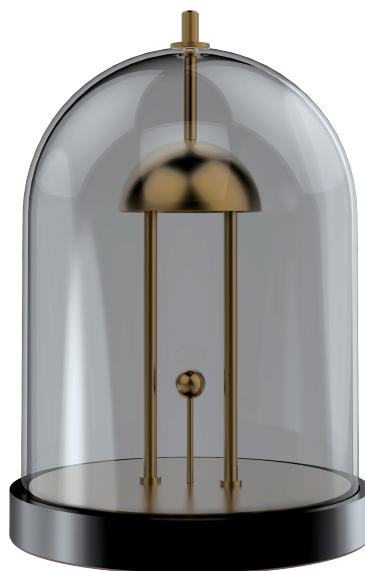


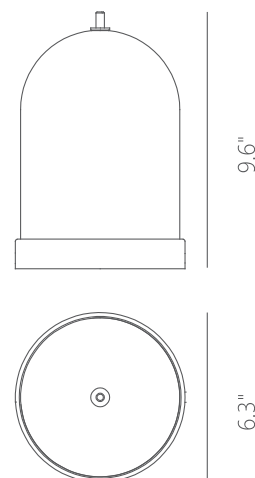
PROJECT			
DATE		TYPE	



PT140966-SDG/SBN



PT140966-SDG/SM



## Century

### DETAILS

**Material:**  
Steel, Aluminium Alloy

**Color Temp.:** 3000K

**Lamp Shade:**  
Acrylic

**CRI (Ra):** ≥90

**LED Rated Life:** ≈50,000 Hours

**Finishes:**  
SDG - Satin Dark-gray  
SM - Smoke  
SBN - Smoke Brown



ITEM NO.	PT140966-SDG/SBN	PT140966-SDG/SM
Wattage:	7W	7W
Voltage:	100~240V	100~240V
Size:	6.3"Dia. x 9.6"H	6.3"Dia. x 9.6"H
Total Lumens:	840	840
Delivered Lumens:	588	588

PageOne Furnishing & Lighting Co., Ltd.

Add.: 35 Fulton Way, Unit 1, Richmond Hill, ON L4B 2N4, CANADA

Tel.: +1 (905) 707-0004 Toll Free: +1-844-623-7278 Fax: +1 (905) 707-8444

E-mail: [sales@pageonelightning.com](mailto:sales@pageonelightning.com)

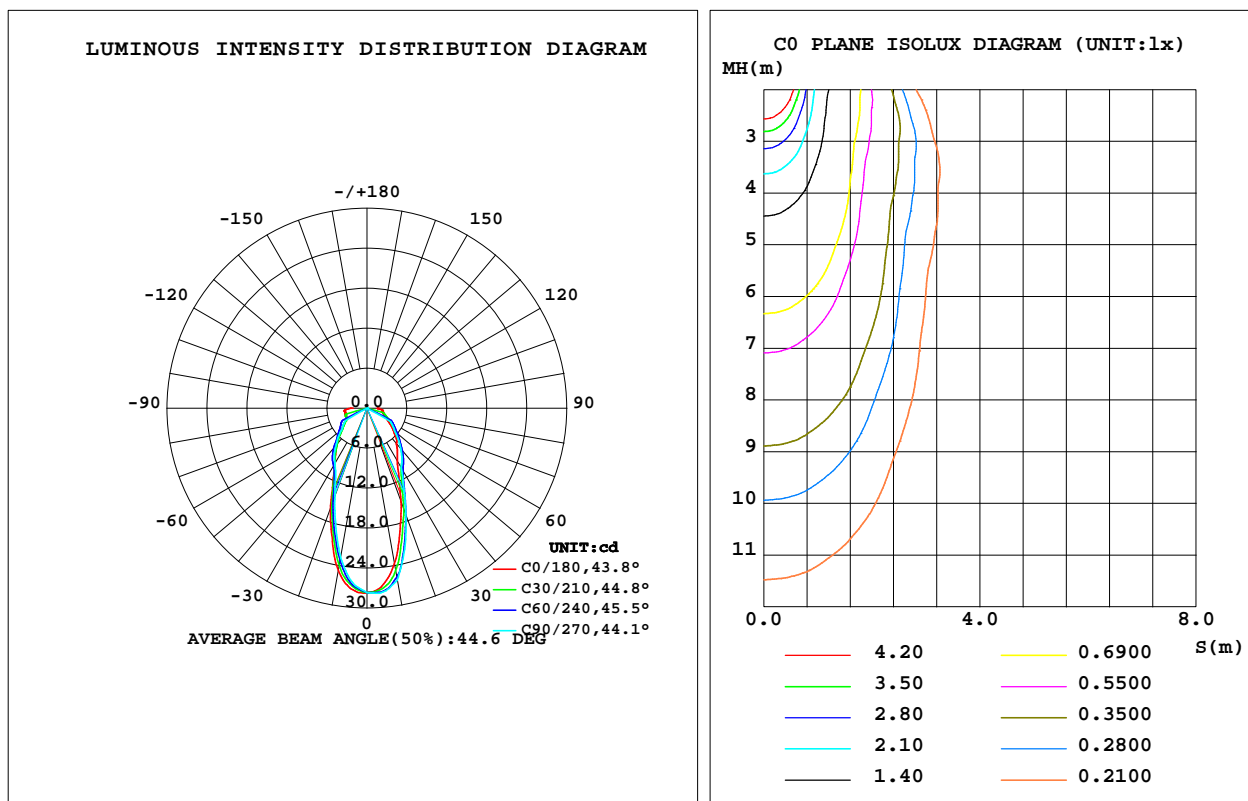
Website: [www.pageonelightning.com](http://www.pageonelightning.com)



LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: PT140966-SDG/SM	TYPE:	WEIGHT:1.483(Kg)
DIM.: D160*240	SPEC.:	SERIAL No.:
MFR.:	SUR.:D150*210	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 3.78 lm/W			
MODEL		Imax(cd)	27.84	S/MH(C0/180)	0.67
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.74
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	31.845	h UP,DN(C0-180)	0.0,52.1
NOMINAL FLUX(lm)	31.8449	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,47.9
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	219.0	h down(%)	100.0	CIBSE SHR MAX	0.85



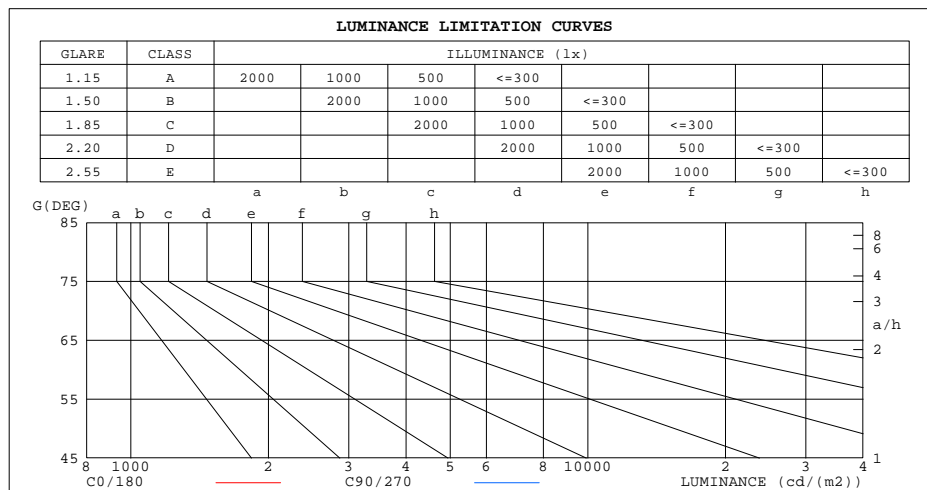
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:ZENGQG  
 Test Date:2019-12-06

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:9.650m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES**

**ZONAL FLUX DIAGRAM:**

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	26.74	27.43	27.70	27.41	27.23	26.61	26.14	26.03	0- 5	0.6519	0.6519	2.05,2.05
10	23.76	25.31	26.25	25.06	24.76	23.57	22.84	22.46	5- 10	1.827	2.479	7.78,7.78
15	19.12	21.15	21.90	21.29	20.18	19.13	18.20	18.20	10- 15	2.609	5.088	16,16
20	14.97	16.59	17.10	16.93	16.05	15.18	14.11	14.04	15- 20	2.909	7.997	25.1,25.1
25	11.39	12.86	13.13	13.01	12.11	11.80	11.18	11.00	20- 25	2.876	10.87	34.1,34.1
30	9.186	10.67	10.32	10.48	9.609	9.991	9.635	9.355	25- 30	2.752	13.63	42.8,42.8
35	8.012	9.414	9.157	9.201	8.225	8.969	8.580	8.251	30- 35	2.752	16.38	51.4,51.4
40	6.914	8.185	7.883	7.878	6.989	7.551	7.229	7.100	35- 40	2.716	19.09	60,60
45	6.184	7.057	6.696	6.754	5.994	6.317	6.070	6.032	40- 45	2.566	21.66	68,68
50	5.180	5.982	5.509	5.682	4.983	5.304	4.912	5.258	45- 50	2.358	24.02	75.4,75.4
55	4.283	5.086	4.817	4.969	4.306	4.563	4.347	4.534	50- 55	2.151	26.17	82.2,82.2
60	3.567	4.253	4.125	4.318	3.795	3.934	3.781	3.878	55- 60	1.975	28.14	88.4,88.4
65	3.052	3.646	0	3.881	3.528	3.615	0	3.463	60- 65	1.466	29.61	93,93
70	2.688	0	0	0	3.437	0	0	0	65- 70	0.9007	30.51	95.8,95.8
75	2.444	0	0	0	3.404	0	0	0	70- 75	0.6110	31.12	97.7,97.7
80	2.344	0	0	0	3.404	0	0	0	75- 80	0.4120	31.53	99,99
85	2.040	0	0	0	3.332	0	0	0	80- 85	0.2418	31.78	99.8,99.8
90	1.881	0	0	0	2.084	0	0	0	85- 90	0.0693	31.84	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	237	0
80	136	0
75	95	0
70	79	0
65	73	0
60	72	83
55	75	85
50	81	87
45	88	96

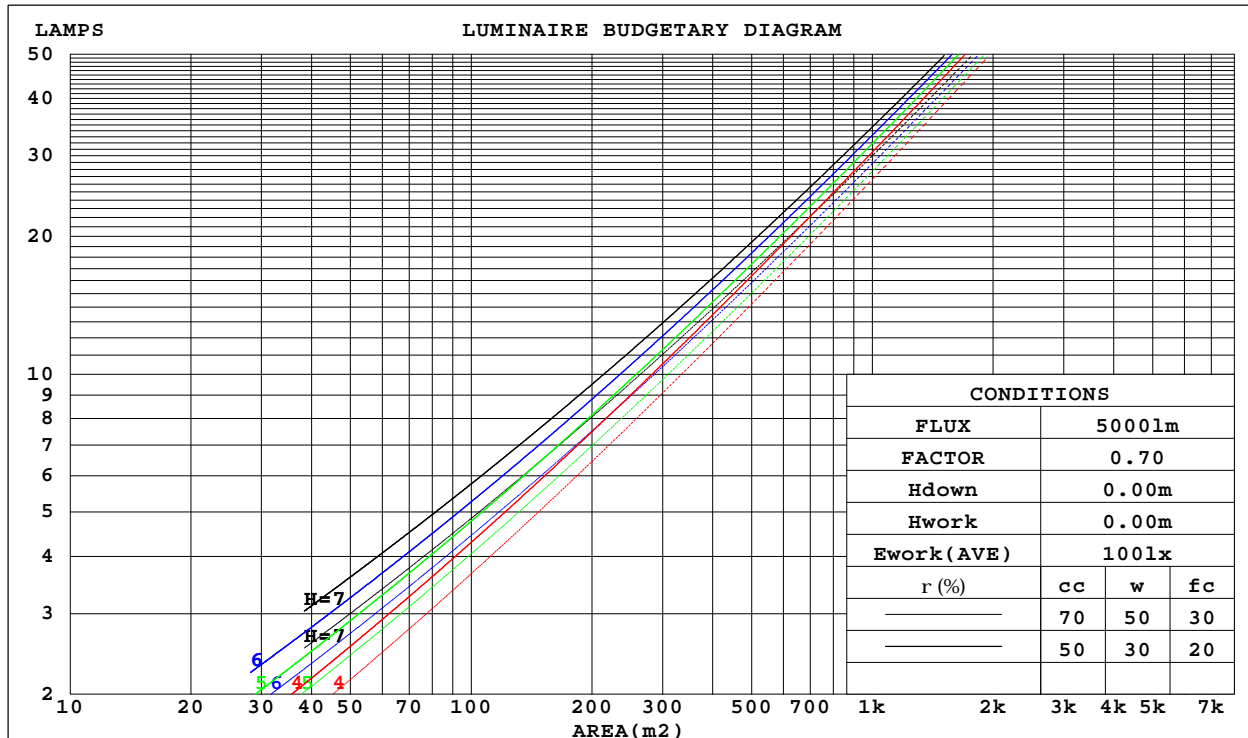
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZENGQG  
Test Date:2019-12-06

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:9.650m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: PT140966-SDG/SM	TYPE:	WEIGHT:1.483(Kg)
DIM.: D160*240	SPEC.:	SERIAL No.:
MFR.:	SUR.:D150*210	PROTECTION ANGLE:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	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	1.00
1.0	1.07	1.03	1.00	1.05	1.01	.99	1.00	.98	.95	.97	.95	.93	.93	.91	.90	.88
2.0	.96	.90	.85	.94	.89	.84	.90	.86	.82	.87	.84	.80	.84	.81	.79	.77
3.0	.86	.79	.74	.85	.78	.73	.82	.76	.72	.79	.75	.71	.77	.73	.69	.68
4.0	.78	.70	.65	.77	.70	.64	.74	.68	.63	.72	.67	.63	.70	.66	.62	.60
5.0	.71	.63	.58	.70	.63	.57	.68	.62	.57	.66	.61	.56	.64	.60	.56	.54
6.0	.65	.57	.52	.64	.57	.52	.63	.56	.51	.61	.55	.51	.60	.54	.50	.49
7.0	.60	.52	.47	.59	.52	.47	.58	.51	.47	.57	.51	.46	.55	.50	.46	.44
8.0	.56	.48	.43	.55	.48	.43	.54	.47	.43	.53	.47	.43	.52	.46	.42	.41
9.0	.52	.45	.40	.51	.44	.40	.50	.44	.39	.49	.43	.39	.48	.43	.39	.37
10.0	.49	.42	.37	.48	.41	.37	.47	.41	.37	.46	.41	.36	.46	.40	.36	.35



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZENGQG  
Test Date:2019-12-06

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:9.650m [K=1.0000]  
Remarks:



WEC AND CCEC

NAME: PT140966-SDG/SM	TYPE:	WEIGHT:1.483(Kg)
DIM.: D160*240	SPEC.:	SERIAL No.:
MFR.:	SUR.:D150*210	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0	
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
rfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.253	.144	.046	.246	.140	.045	.233	.134	.043	.221	.128	.041	.210	.122	.039		
2.0	.241	.132	.041	.235	.130	.040	.224	.125	.039	.214	.120	.038	.204	.116	.036		
3.0	.227	.121	.036	.221	.119	.036	.212	.115	.035	.203	.111	.034	.194	.107	.033		
4.0	.212	.110	.032	.207	.108	.032	.199	.105	.031	.191	.102	.031	.183	.100	.030		
5.0	.198	.101	.029	.194	.100	.029	.186	.097	.029	.179	.095	.028	.173	.092	.028		
6.0	.185	.093	.027	.182	.092	.026	.175	.090	.026	.169	.088	.026	.163	.086	.025		
7.0	.174	.086	.024	.171	.085	.024	.165	.083	.024	.159	.082	.024	.154	.080	.023		
8.0	.164	.080	.022	.161	.079	.022	.155	.078	.022	.150	.076	.022	.146	.075	.022		
9.0	.154	.075	.021	.152	.074	.021	.147	.073	.021	.142	.071	.020	.138	.070	.020		
10.0	.146	.070	.019	.144	.069	.019	.139	.068	.019	.135	.067	.019	.131	.066	.019		

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.176	.157	.139	.151	.134	.120	.103	.092	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.156	.114	.080	.134	.098	.070	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.148	.100	.064	.127	.087	.055	.087	.060	.039	.050	.035	.023	.016	.012	.008	
5.0	.140	.089	.052	.120	.077	.045	.083	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.133	.081	.043	.114	.070	.038	.079	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.126	.073	.037	.108	.064	.032	.075	.045	.023	.044	.026	.013	.014	.009	.004	
8.0	.120	.067	.032	.103	.059	.027	.071	.041	.019	.042	.024	.012	.013	.008	.004	
9.0	.114	.062	.028	.098	.054	.024	.068	.038	.017	.040	.022	.010	.013	.007	.003	
10.0	.109	.058	.024	.094	.050	.021	.065	.036	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZENGQG  
Test Date:2019-12-06

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:9.650m [K=1.0000]  
Remarks:

### Uncorrected UGR Table

NAME: PT140966-SDG/SM						TYPE:		WEIGHT:1.483(Kg)			
DIM.: D160*240						SPEC.:		SERIAL No.:			
MFR.:						SUR.:D150*210		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	3H	3.6	4.9	3.9	5.1	5.3	3.5	4.7	3.7	4.9	5.1
	4H	5.3	6.5	5.6	6.7	6.9	3.2	4.4	3.5	4.7	4.9
	6H	6.3	7.4	6.6	7.7	7.9	3.1	4.3	3.4	4.5	4.8
	8H	7.6	8.7	8.0	9.0	9.2	3.0	4.1	3.4	4.4	4.6
	12H	8.5	9.5	8.8	9.8	10.0	3.0	4.0	3.3	4.3	4.6
	12H	9.3	10.3	9.7	10.6	10.9	2.9	3.9	3.3	4.2	4.5
4H	2H	4.3	5.4	4.6	5.6	5.9	4.0	5.2	4.3	5.4	5.6
	3H	6.2	7.2	6.5	7.4	7.7	3.8	4.8	4.2	5.1	5.4
	4H	7.3	8.2	7.7	8.5	8.9	3.7	4.6	4.1	4.9	5.3
	6H	8.8	9.6	9.2	9.9	10.3	3.6	4.4	4.0	4.8	5.1
	8H	9.7	10.4	10.1	10.8	11.2	3.6	4.3	4.0	4.7	5.1
	12H	10.6	11.3	11.0	11.6	12.0	3.5	4.2	4.0	4.6	5.0
8H	4H	7.2	7.9	7.6	8.3	8.7	3.8	4.6	4.2	4.9	5.3
	6H	8.6	9.3	9.1	9.7	10.1	3.7	4.3	4.2	4.7	5.2
	8H	9.6	10.1	10.0	10.5	11.0	3.7	4.2	4.1	4.7	5.1
	12H	10.5	10.9	10.9	11.4	11.8	3.6	4.1	4.1	4.6	5.0
12H	4H	7.1	7.8	7.6	8.2	8.6	3.8	4.5	4.2	4.9	5.3
	6H	8.6	9.1	9.1	9.6	10.0	3.7	4.3	4.2	4.7	5.1
	8H	9.5	10.0	10.0	10.4	10.9	3.7	4.1	4.1	4.6	5.1
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.5					+ 0.4 / - 0.6				
1.5H		+ 0.4 / - 0.2					+ 1.2 / - 1.6				
2.0H		+ 0.6 / - 1.6					+ 0.8 / - 1.3				

CIE Pub.117 Corrected 31.84 lm Total Lamp Luminous Flux.(8log(F/F0) = -12.0)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZENGQG  
Test Date:2019-12-06

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:9.650m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

NAME: PT140966-SDG/SM	TYPE:	WEIGHT:1.483(Kg)
DIM.: D160*240	SPEC.:	SERIAL No.:
MFR.:	SUR.:D150*210	PROTECTION ANGLE:

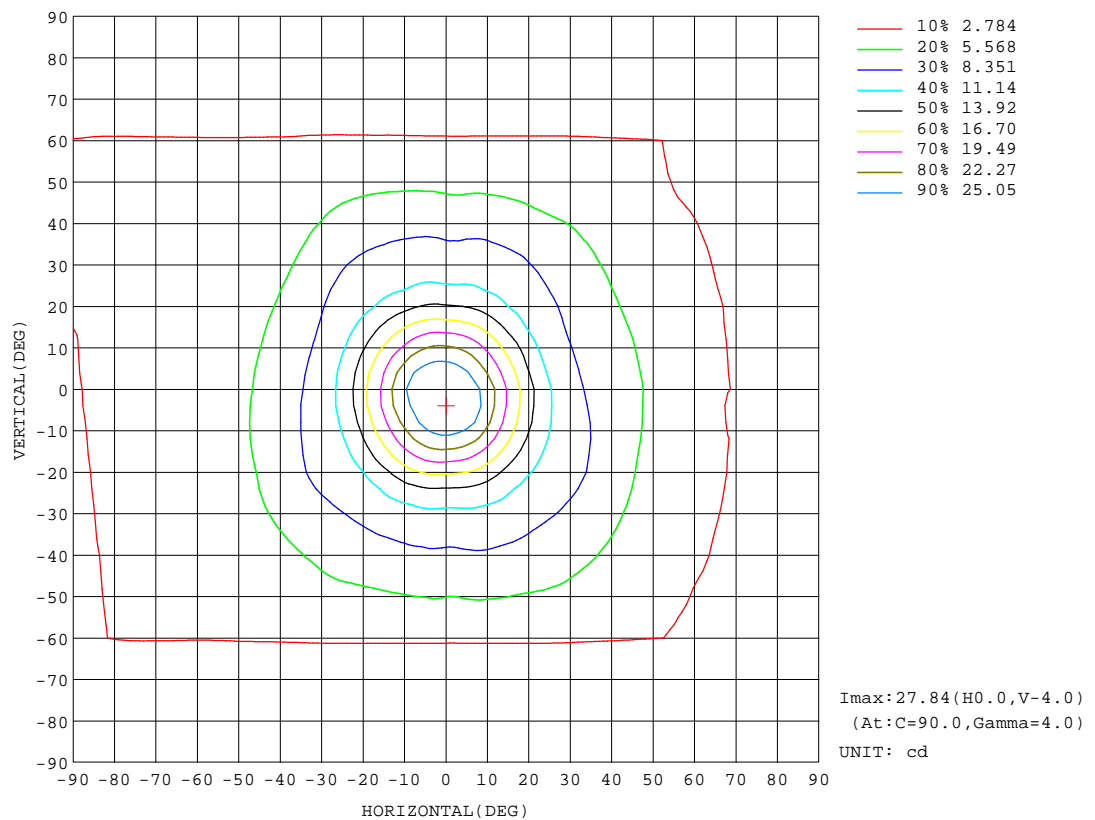
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	66	56	50	66	56	50	65	56	50	45
0.80	76	66	60	75	66	60	74	65	60	54
1.00	84	75	68	83	74	68	81	75	68	62
1.25	90	81	76	89	81	75	86	79	74	68
1.50	94	86	81	93	86	80	90	84	79	73
2.00	100	93	88	98	92	87	95	90	86	79
2.50	103	97	92	101	95	91	98	93	89	82
3.00	106	100	96	104	99	95	100	96	93	85
4.00	109	104	101	107	103	99	103	99	97	88
5.00	111	107	104	109	105	102	104	102	99	91
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:25.3DEG  
Operators:ZENGQG  
Test Date:2019-12-06

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:9.650m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

NAME: PTL40966-SDG/SM	TYPE:	WEIGHT:1.483(Kg)
DIM.: D160*240	SPEC.:	SERIAL No.:
MFR.:	SUR.:D150*210	PROTECTION ANGLE:

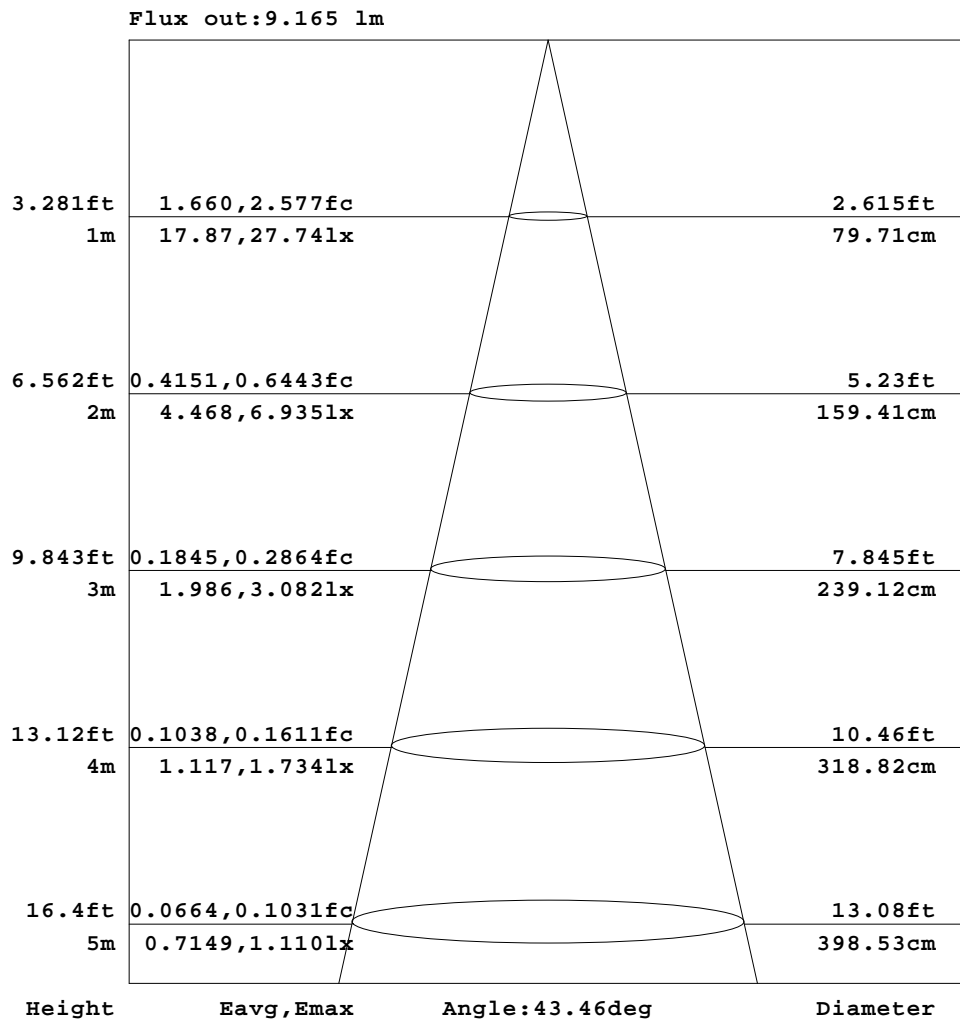


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZENGQG  
Test Date:2019-12-06

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:9.650m [K=1.0000]  
Remarks:

### AAI Figure

NAME: PT140966-SDG/SM	TYPE:	WEIGHT:1.483(Kg)
DIM.: D160*240	SPEC.:	SERIAL No.:
MFR.:	SUR.:D150*210	PROTECTION ANGLE:



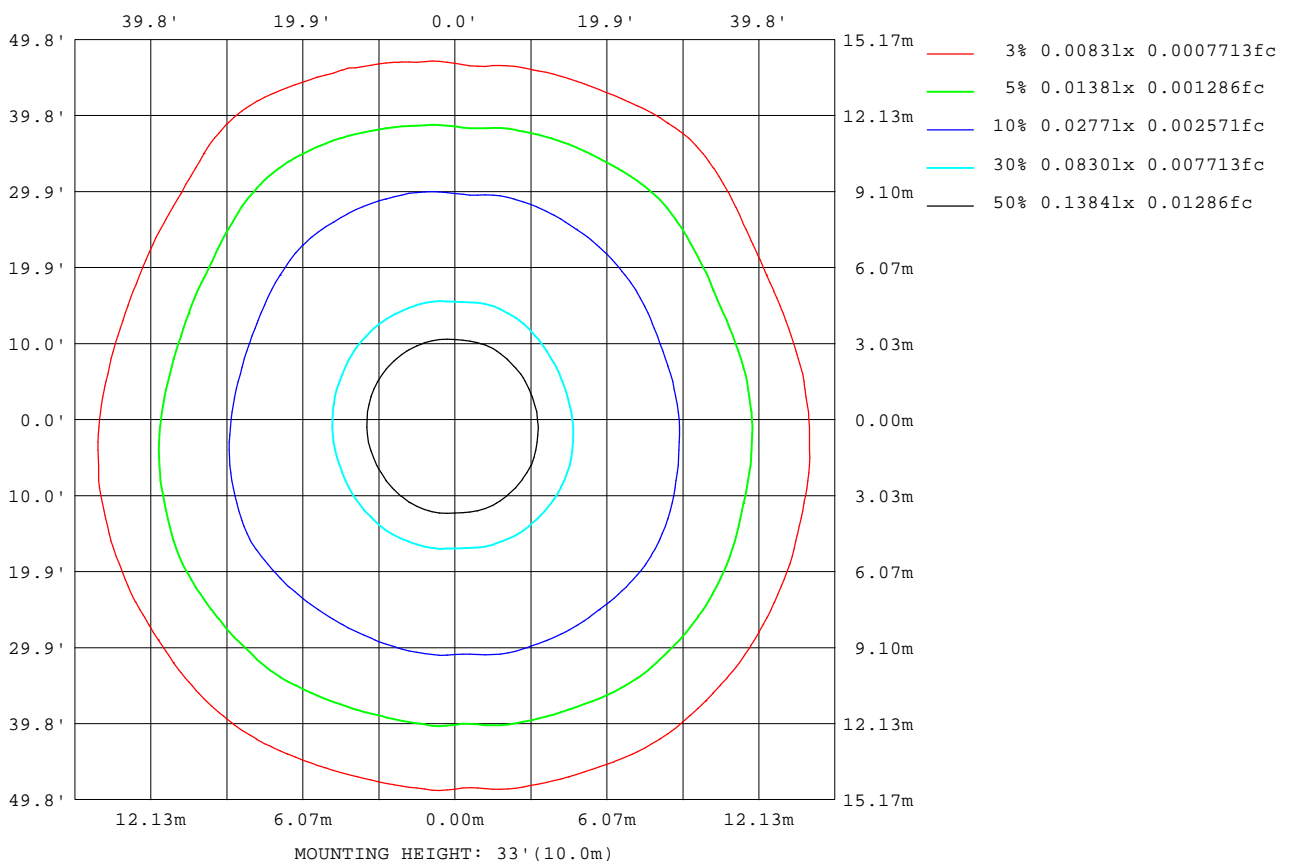
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZENGQG  
Test Date:2019-12-06

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:9.650m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

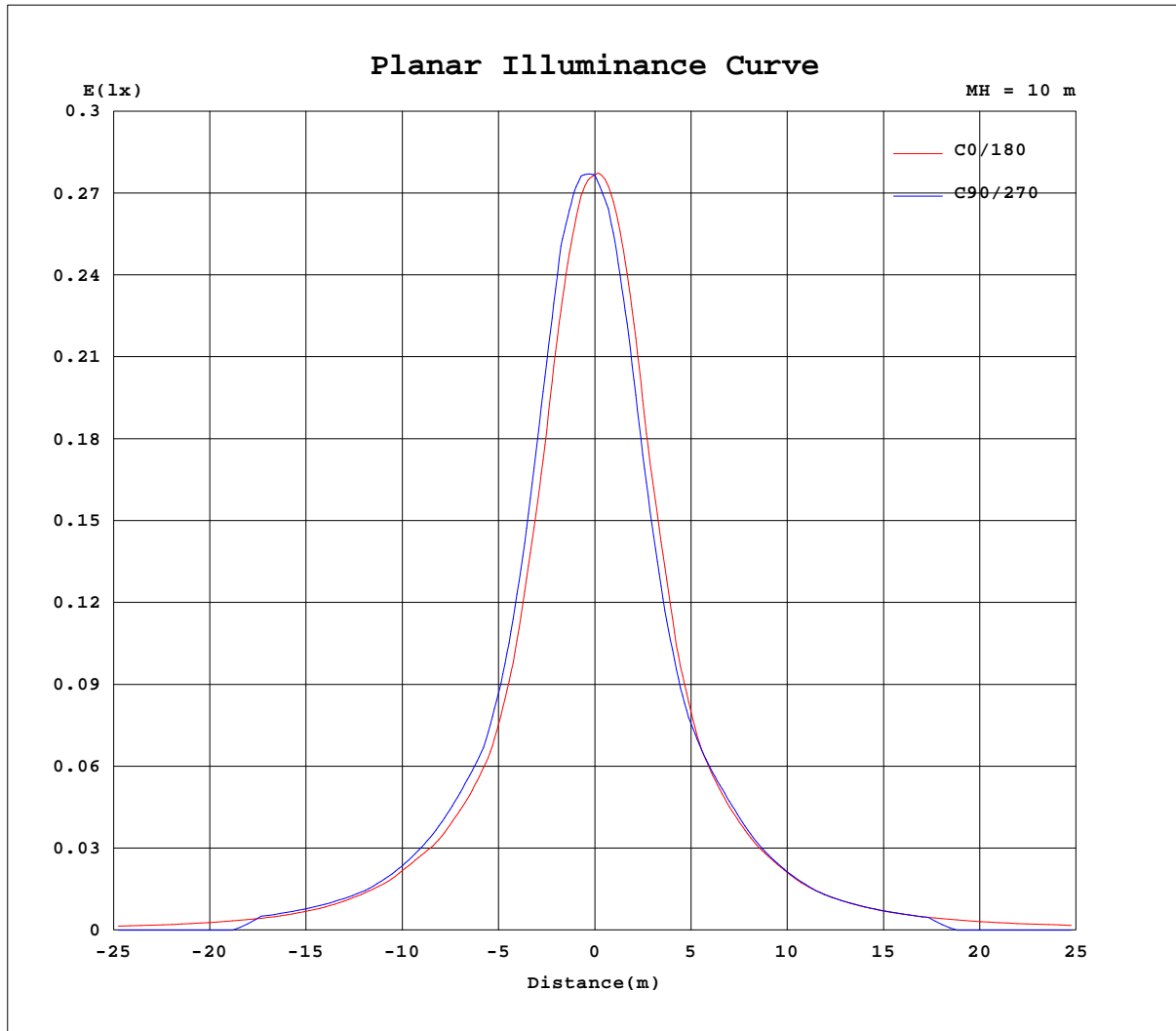
NAME: PT140966-SDG/SM	TYPE:	WEIGHT:1.483(Kg)
DIM.: D160*240	SPEC.:	SERIAL No.:
MFR.:	SUR.:D150*210	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:ZENGQG  
Test Date:2019-12-06

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:9.650m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: ZENGQG  
Test Date: 2019-12-06

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 9.650m [K=1.0000]  
Remarks: