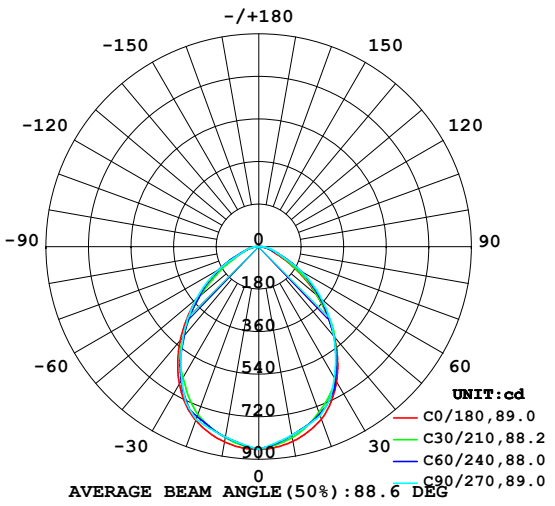
LUMINAIRE PHOTOMETRIC TEST REPORT

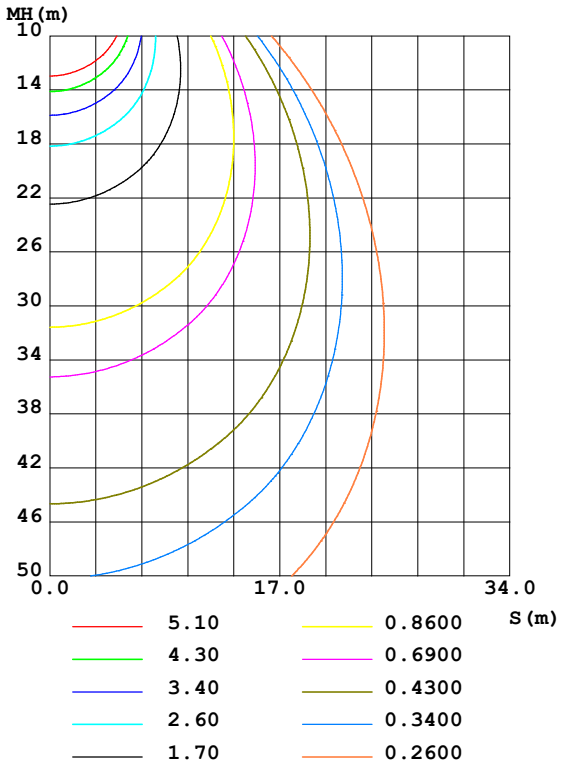
Test:U:120.0V I:0.1421A P:17.01W PF:0.9971 Freq:59.98Hz Lamp Flux:1737.38x1 lm		
NAME: 6inch Commercial Retrofit Downlights 18W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: tospo	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 102.16 lm/W			
MODEL		Imax(cd)	857.7	S/MH(C0/180)	1.17
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	1.15
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1737.4	η UP,DN(C0-180)	0.0,50.1
NOMINAL FLUX(lm)	1737.38	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Testing Room
Test Date:2019-10-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:11.160m [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	835.8	813.7	809.3	812.5	838.9	818.0	817.6	819.4	0- 10	79.58	79.58	4.58,4.58
20	776.0	750.4	760.9	744.6	781.3	753.3	777.5	760.5	10- 20	223.4	302.9	17.4,17.4
30	658.8	650.7	639.9	650.8	672.1	658.6	652.0	661.0	20- 30	327.2	630.1	36.3,36.3
40	497.7	490.7	494.8	498.9	517.0	497.6	498.1	493.9	30- 40	358.5	988.6	56.9,56.9
50	322.3	326.0	349.2	337.4	342.8	326.5	345.8	322.5	40- 50	318.3	1307	75.2,75.2
60	163.9	190.8	203.2	198.6	180.7	185.6	195.0	184.7	50- 60	229.1	1536	88.4,88.4
70	67.25	91.63	83.59	94.24	76.08	85.96	72.79	86.51	60- 70	125.3	1661	95.6,95.6
80	26.84	37.62	42.88	38.14	32.45	33.75	36.58	34.28	70- 80	58.13	1719	99,99
90	0.3946	1.847	2.170	1.851	0.4114	0.3867	0.3709	0.3867	80- 90	17.97	1737	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1156.6 lm

%lum = 66.6%
%lamp = 66.6%

Conical surface Flux(120deg): 1536 lm

%lum = 88.4%
%lamp = 88.4%

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C Interval: 5.0DEG
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Test Date:2019-10-15

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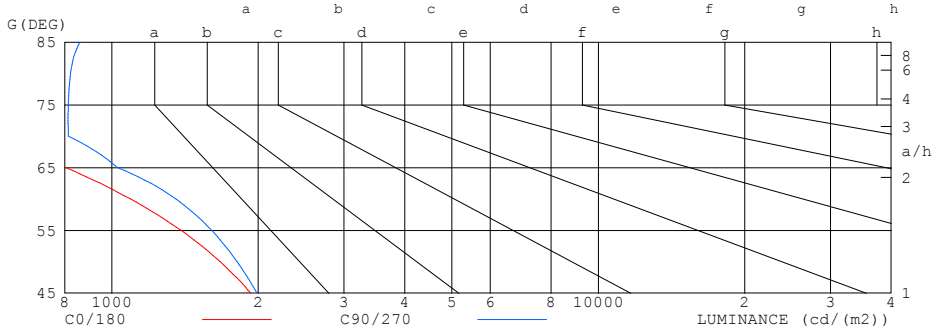
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:11.160m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.1421A P:17.01W PF:0.9971 Freq:59.98Hz Lamp Flux:1737.38x1 lm		
NAME: 6inch Commercial Retrofit Downlights 18W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: tospo	SUR.:	Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	200	861
80	515	823
75	612	814
70	655	814
65	804	1027
60	1092	1354
55	1387	1604
50	1670	1810
45	1930	1989

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WEC AND CCEC

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NAME: 6inch Commercial Retrofit Downlights 18W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: tospo	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						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.262	.149	.047	.255	.145	.046	.242	.139	.044	.230	.133	.043	.219	.127	.041	
2.0	.251	.138	.042	.245	.135	.042	.234	.130	.040	.223	.125	.039	.213	.121	.038	
3.0	.236	.126	.038	.231	.124	.037	.221	.120	.036	.212	.116	.036	.203	.112	.035	
4.0	.221	.115	.034	.216	.113	.033	.208	.110	.033	.200	.107	.032	.192	.104	.032	
5.0	.207	.106	.031	.203	.104	.030	.195	.102	.030	.188	.099	.029	.181	.097	.029	
6.0	.194	.097	.028	.190	.096	.028	.184	.094	.027	.177	.092	.027	.171	.090	.027	
7.0	.182	.090	.026	.179	.089	.025	.173	.087	.025	.167	.086	.025	.162	.084	.025	
8.0	.172	.084	.024	.169	.083	.023	.163	.082	.023	.158	.080	.023	.153	.079	.023	
9.0	.162	.078	.022	.159	.078	.022	.154	.076	.022	.150	.075	.021	.145	.074	.021	
10.0	.153	.073	.020	.151	.073	.020	.146	.072	.020	.142	.071	.020	.138	.069	.020	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.138	.151	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.167	.132	.103	.143	.114	.089	.098	.079	.062	.056	.046	.036	.018	.015	.012	
3.0	.158	.114	.079	.135	.098	.069	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.150	.100	.062	.129	.087	.054	.088	.060	.038	.051	.035	.023	.016	.012	.007	
5.0	.143	.090	.051	.122	.078	.044	.084	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.136	.081	.042	.117	.070	.037	.080	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.129	.074	.035	.111	.064	.031	.077	.045	.022	.045	.027	.013	.014	.009	.004	
8.0	.123	.068	.030	.106	.059	.027	.073	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.118	.063	.027	.101	.055	.023	.070	.039	.016	.041	.023	.010	.013	.007	.003	
10.0	.112	.059	.024	.097	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Testing Room
Test Date:2019-10-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:11.160m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1421A P:17.01W PF:0.9971 Freq:59.98Hz Lamp Flux:1737.38x1 lm		
NAME: 6inch Commercial Retrofit Downlights 18W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: tospo	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	11.4	12.8	11.7	13.0	13.1	12.1	13.4	12.3	13.6	13.8
3H	11.8	13.1	12.1	13.3	13.6	12.6	13.9	12.9	14.1	14.4
4H	12.0	13.2	12.3	13.5	13.7	12.9	14.1	13.2	14.3	14.6
6H	12.2	13.3	12.5	13.6	13.8	13.2	14.3	13.5	14.5	14.8
8H	12.2	13.2	12.5	13.5	13.8	13.3	14.4	13.6	14.6	14.9
12H	12.1	13.2	12.5	13.4	13.7	13.4	14.4	13.7	14.7	15.0
4H 2H	11.8	13.0	12.1	13.2	13.5	12.3	13.5	12.6	13.8	14.0
3H	12.4	13.4	12.7	13.7	14.0	13.1	14.1	13.4	14.4	14.7
4H	12.7	13.6	13.1	14.0	14.3	13.4	14.4	13.8	14.7	15.0
6H	12.9	13.8	13.3	14.1	14.5	13.8	14.7	14.2	15.0	15.4
8H	12.9	13.7	13.3	14.1	14.4	14.0	14.8	14.4	15.1	15.5
12H	12.9	13.6	13.3	14.0	14.4	14.2	14.9	14.6	15.2	15.6
8H 4H	12.8	13.6	13.2	14.0	14.4	13.5	14.3	13.9	14.7	15.0
6H	13.2	13.8	13.6	14.2	14.7	14.0	14.7	14.5	15.1	15.5
8H	13.3	13.8	13.7	14.3	14.7	14.3	14.9	14.8	15.3	15.7
12H	13.3	13.8	13.8	14.2	14.7	14.6	15.0	15.0	15.5	15.9
12H 4H	12.8	13.5	13.3	13.9	14.3	13.5	14.2	13.9	14.6	15.0
6H	13.3	13.8	13.7	14.2	14.7	14.1	14.6	14.5	15.1	15.5
8H	13.4	13.9	13.9	14.3	14.8	14.4	14.8	14.8	15.3	15.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.6					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.9 / - 0.9					+ 0.6 / - 0.6				

CIE Pub.117, 1737 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.9)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
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γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:11.160m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1421A P:17.01W PF:0.9971 Freq:59.98Hz Lamp Flux:1737.38x1 lm		
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MFR.: tospo	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) x RCR = 5									
k = 0.60	64	54	48	64	54	48	63	53	48	42
0.80	74	64	58	74	64	58	72	63	57	51
1.00	83	73	67	81	72	67	79	73	66	60
1.25	89	80	74	88	80	74	85	78	73	67
1.50	94	85	79	92	85	79	89	83	78	71
2.00	99	92	87	98	91	86	95	89	85	78
2.50	103	96	91	101	95	90	97	92	88	81
3.00	105	100	95	103	98	94	100	95	92	84
4.00	109	104	100	106	102	99	102	99	96	88
5.00	111	107	103	108	105	102	104	101	99	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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ISOCANDELA DIAGRAM

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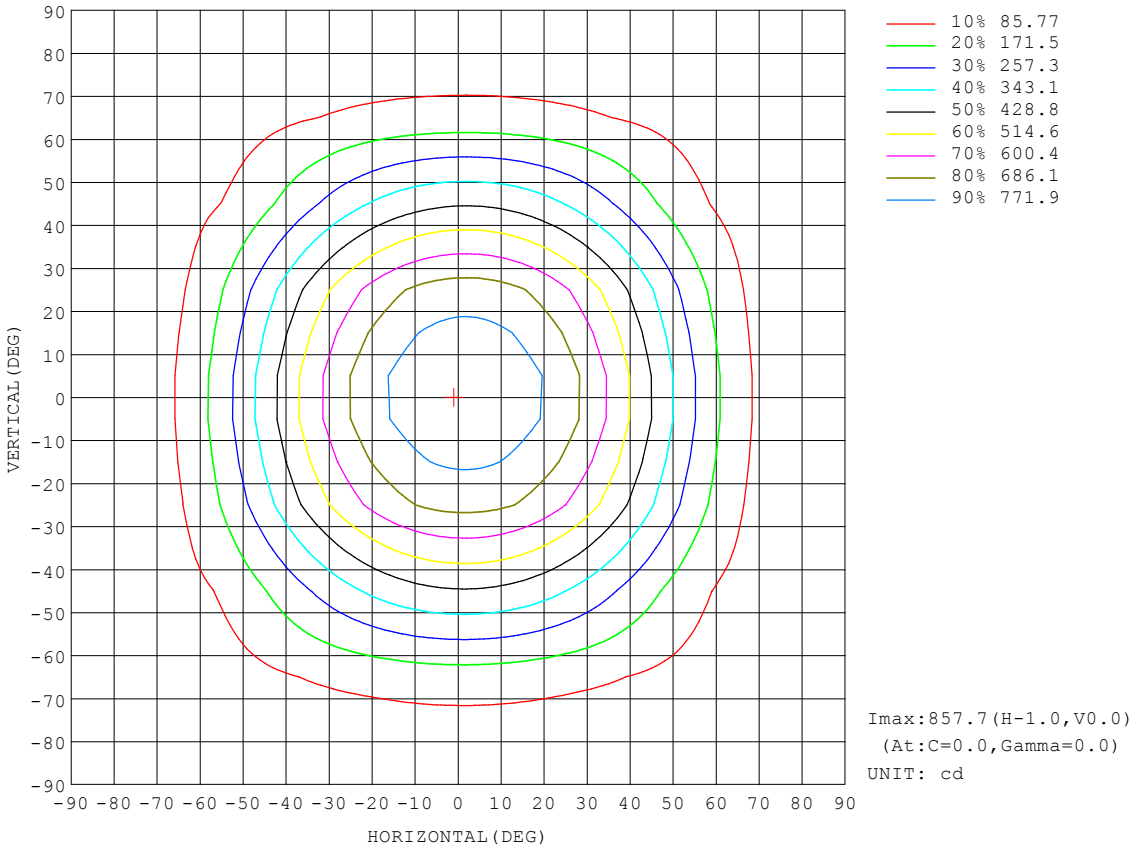

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AAI Figure

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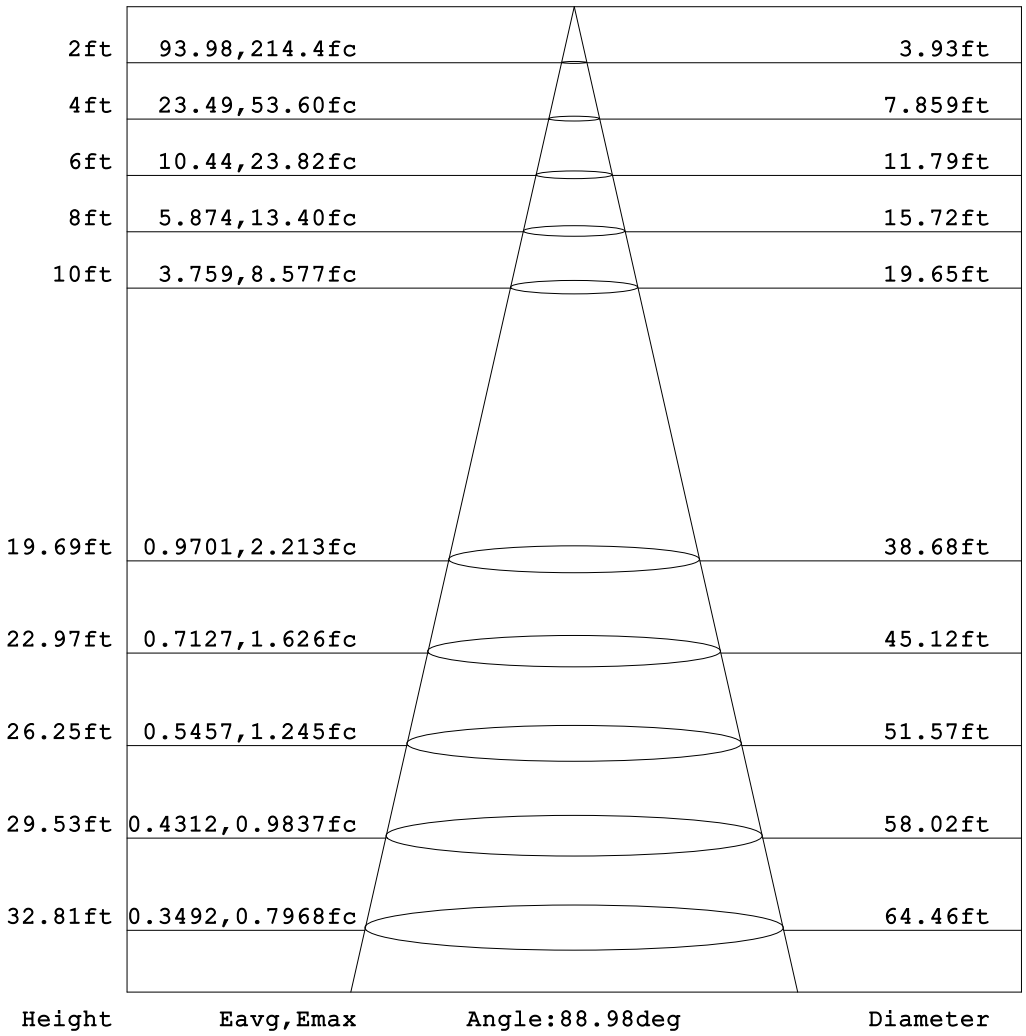
MFR.: tospo	SUR.:	Shielding Angle:

Flux out:1140 lm



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

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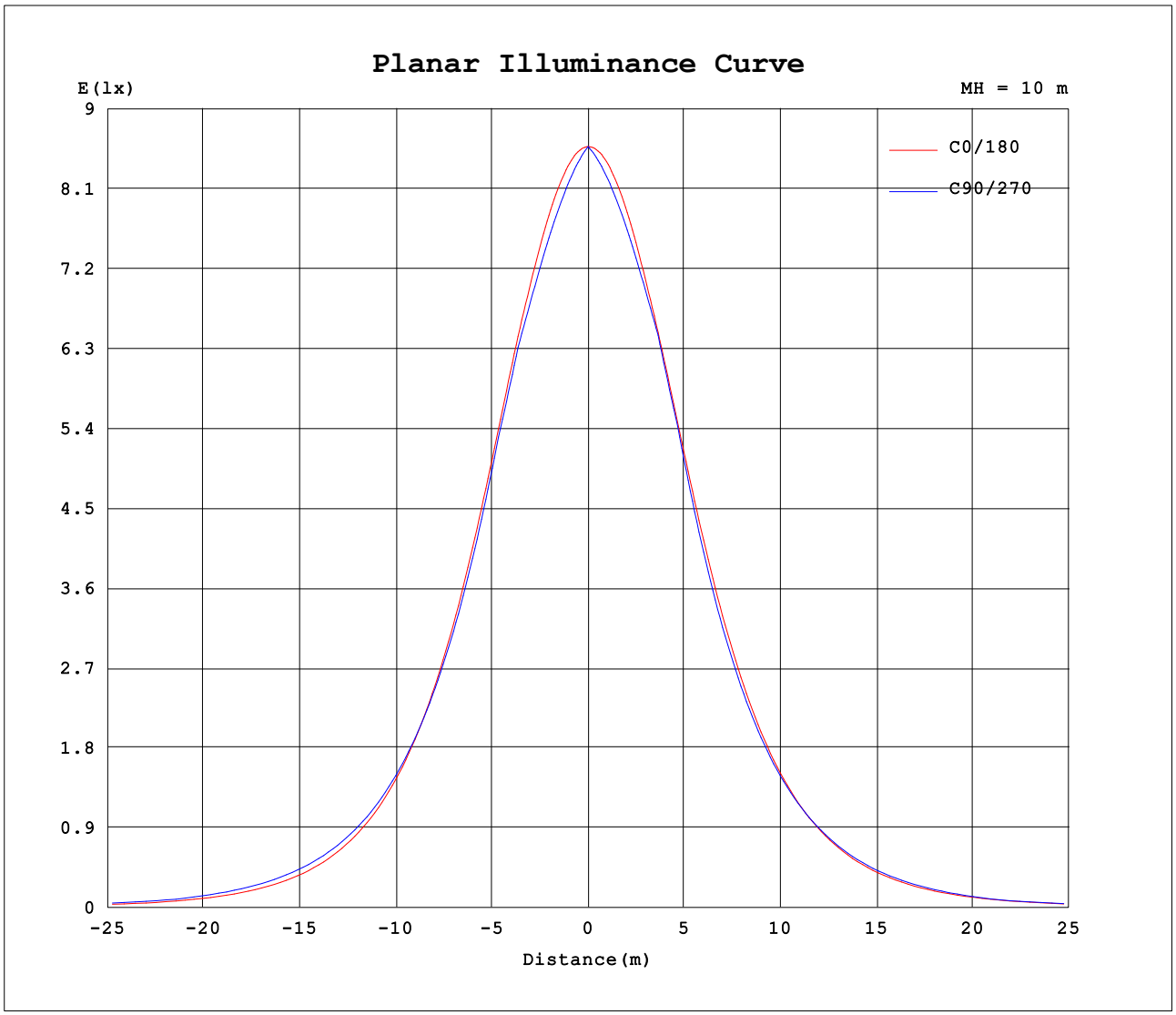
Planar Illuminance Curve



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C:\Users\Administrator\Desktop\6inch Commercial Retrofit Downlights 18W 35K.GOS

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1421A P:17.01W PF:0.9971 Freq:59.98Hz Lamp Flux:1737.38x1 lm		
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Table--1 UNIT: cd

γ (DEG) \ C (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858
5	852	850	848	846	845	843	842	841	839	838	837	837	836	835	835	834	834	834	833
10	836	832	829	827	824	822	820	818	815	814	812	811	810	810	809	809	809	809	809
15	810	806	802	798	795	791	787	784	782	782	783	783	784	784	785	785	785	785	785
20	776	770	766	761	754	748	745	746	748	750	752	752	754	755	757	758	759	760	761
25	725	720	716	707	699	697	701	705	705	706	709	710	711	712	713	713	713	713	712
30	659	655	650	638	635	642	645	645	647	651	654	655	650	646	643	641	640	640	640
35	582	580	571	559	569	573	572	577	585	581	574	569	569	569	569	569	568	568	567
40	498	499	484	484	494	491	500	505	495	491	493	496	495	493	493	493	493	494	495
45	410	415	394	409	406	415	417	407	411	415	412	411	413	416	419	421	422	422	422
50	322	325	314	323	326	331	322	331	329	326	332	338	341	343	344	346	347	348	349
55	239	239	242	238	251	242	251	245	250	258	261	263	267	271	274	275	276	276	276
60	164	161	168	176	168	175	171	180	185	191	198	203	204	203	203	203	203	203	203
65	102	99.5	103	109	114	111	118	125	136	141	141	140	138	136	135	133	132	131	130
70	67.3	69.1	71.6	73.8	72.9	72.5	82.3	88.1	89.9	91.6	90.2	88.5	86.8	84.9	83.9	83.5	83.3	83.4	83.6
75	47.6	48.9	49.6	51.7	50.3	51.7	54.0	57.7	57.9	56.6	56.0	56.9	57.5	58.2	59.5	61.0	62.2	63.0	63.3
80	26.8	26.9	28.9	28.7	31.1	33.2	34.2	35.9	37.1	37.6	38.1	38.5	38.9	39.2	40.0	41.0	41.9	42.6	42.9
85	5.22	3.12	0.92	3.82	14.7	16.5	17.5	18.4	19.0	19.5	19.9	20.2	20.5	20.8	21.2	21.7	22.2	22.5	22.5
90	0.39	1.20	1.22	0.62	0.74	1.41	1.57	1.65	1.76	1.85	1.94	1.98	2.06	2.12	2.15	2.18	2.19	2.19	2.17

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Testing Room
Test Date:2019-10-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:11.160m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1421A P:17.01W PF:0.9971 Freq:59.98Hz Lamp Flux:1737.38x1 lm		
NAME: 6inch Commercial Retrofit Downlights 18W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: tospo	SUR.:	Shielding Angle:

Table--2 UNIT: cd

γ (DEG) \ C (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858
5	833	833	833	834	834	835	836	836	837	839	840	842	843	845	847	849	851	853	852
10	809	810	810	810	810	811	811	812	813	813	814	816	819	822	825	829	834	839	835
15	784	784	784	783	783	782	782	783	784	785	785	786	787	789	794	800	807	815	808
20	761	760	759	757	755	753	750	746	745	745	747	749	750	751	753	760	770	781	771
25	712	711	711	711	711	711	713	713	707	701	695	697	701	704	703	705	719	734	719
30	640	641	643	644	645	647	649	649	651	655	647	638	635	641	642	640	652	672	653
35	567	567	567	568	570	572	576	576	576	577	581	581	568	564	573	568	575	598	575
40	495	495	495	494	493	491	490	494	499	499	497	500	504	486	488	491	490	517	489
45	422	421	420	419	418	418	417	413	409	413	420	414	416	417	400	412	401	430	399
50	350	349	348	346	343	339	335	336	337	331	326	335	330	333	324	323	318	343	316
55	276	275	275	274	274	273	270	263	254	254	255	245	253	247	255	237	240	258	237
60	204	204	205	205	204	203	202	201	199	190	176	181	173	179	171	167	170	181	167
65	130	131	133	135	138	142	145	144	141	136	132	119	116	113	117	114	110	116	108
70	83.8	84.1	84.5	85.0	86.0	87.7	89.0	90.6	94.2	95.1	89.6	82.3	78.3	76.5	73.0	72.4	71.6	76.1	70.5
75	62.9	62.2	61.0	59.8	58.9	58.6	58.4	58.2	58.7	59.0	57.2	56.7	53.8	53.3	52.7	51.6	52.1	54.2	50.8
80	42.8	42.4	41.6	40.7	40.0	39.7	39.3	38.8	38.1	37.4	36.8	36.0	33.5	31.5	28.3	20.0	25.3	32.5	27.4
85	22.4	22.1	21.7	21.2	20.9	20.7	20.6	20.3	20.0	19.7	19.2	18.4	16.7	13.4	6.40	1.25	0.37	9.04	4.02
90	2.16	2.16	2.15	2.12	2.10	2.03	1.99	1.90	1.85	1.74	1.64	1.54	1.34	0.49	0.48	1.05	1.05	0.41	0.39

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Testing Room
Test Date:2019-10-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:11.160m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1421A P:17.01W PF:0.9971 Freq:59.98Hz Lamp Flux:1737.38x1 lm		
NAME: 6inch Commercial Retrofit Downlights 18W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: tospo	SUR.:	Shielding Angle:

Table--3 UNIT: cd

γ (DEG) \ C (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858
5	850	848	846	845	844	842	841	840	840	839	838	838	838	837	837	837	838	838	838
10	831	827	824	822	819	819	818	818	818	818	818	818	818	818	818	818	818	817	817
15	801	796	792	791	791	791	792	791	791	792	792	793	794	795	796	797	797	798	798
20	761	755	754	755	755	753	753	753	756	761	765	769	772	775	776	777	777	777	776
25	706	705	707	705	702	702	709	716	724	725	724	724	725	726	727	728	729	729	730
30	641	643	643	638	642	653	662	659	658	658	657	656	655	654	653	652	652	652	653
35	568	573	564	568	583	583	580	580	580	581	577	575	574	573	574	574	575	576	577
40	490	486	484	502	498	495	498	498	492	489	491	493	495	497	498	498	498	498	497
45	409	395	412	411	409	414	406	402	407	412	413	414	415	416	418	420	421	422	422
50	319	318	325	322	325	316	320	326	325	324	329	336	340	343	345	346	346	345	345
55	232	247	238	243	233	242	240	239	250	259	263	265	267	268	269	270	270	271	271
60	162	164	170	162	168	161	175	186	189	191	194	196	197	196	196	195	195	195	195
65	109	111	107	107	107	120	124	130	134	135	133	130	127	124	121	120	120	120	122
70	70.1	69.7	72.3	72.5	73.8	80.4	86.2	86.0	82.8	81.3	80.4	78.9	77.1	75.4	73.9	73.1	72.8	73.0	73.7
75	49.1	49.2	49.3	48.9	50.3	50.6	52.7	52.8	52.2	52.3	52.6	53.1	53.5	53.9	54.1	54.4	54.7	54.6	54.3
80	27.0	26.2	27.2	28.5	31.0	32.1	32.8	33.8	34.4	34.8	35.1	35.6	35.9	36.2	36.3	36.5	36.6	36.5	36.2
85	5.20	8.24	10.9	13.6	15.3	16.2	16.7	17.1	17.4	17.5	17.7	17.8	18.0	18.2	18.3	18.4	18.5	18.5	18.3
90	0.39	0.40	0.40	0.40	0.39	0.39	0.39	0.39	0.39	0.39	0.38	0.37	0.38	0.37	0.37	0.37	0.37	0.36	0.36

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Testing Room
Test Date:2019-10-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:11.160m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1421A P:17.01W PF:0.9971 Freq:59.98Hz Lamp Flux:1737.38x1 lm		
NAME: 6inch Commercial Retrofit Downlights 18W 35K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: tospo	SUR.:	Shielding Angle:

Table--4 UNIT: cd

γ (DEG) \ C (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355
0	858	858	858	858	858	858	858	858	858	858	858	858	858	858	858
5	838	839	839	839	840	841	841	842	843	844	845	846	847	849	850
10	817	817	817	817	818	818	819	821	822	824	825	827	829	831	833
15	797	797	796	794	793	791	790	789	790	792	795	799	801	804	807
20	774	772	769	767	765	763	761	757	754	751	753	758	764	768	771
25	729	728	727	726	724	721	717	714	714	708	703	703	710	718	720
30	654	655	658	662	668	666	661	656	653	651	647	638	640	652	656
35	577	577	578	577	577	582	589	592	583	577	577	571	561	572	581
40	497	497	497	499	499	497	494	498	509	503	493	495	485	485	499
45	420	419	416	412	410	412	415	411	406	418	415	406	409	393	415
50	343	342	340	338	334	329	322	326	328	320	330	325	322	313	325
55	271	269	267	263	259	256	252	245	240	247	239	249	236	240	239
60	196	197	198	199	198	193	185	179	174	166	171	164	173	167	161
65	124	127	130	133	134	135	135	130	119	113	107	111	107	102	99.2
70	74.9	76.6	78.7	80.7	82.5	84.5	86.5	85.1	83.4	78.2	69.9	71.2	72.8	71.0	68.8
75	53.9	53.3	52.8	52.2	51.7	51.3	52.3	53.9	53.8	50.7	49.3	48.7	50.5	48.9	48.6
80	35.8	35.4	35.1	34.8	34.5	34.4	34.3	33.9	32.9	31.3	30.7	29.3	29.7	30.7	29.9
85	18.2	18.0	17.8	17.6	17.4	17.3	17.1	16.7	16.2	15.5	14.7	13.7	10.4	8.62	9.43
90	0.37	0.37	0.37	0.37	0.37	0.39	0.39	0.39	0.39	0.39	0.39	0.40	0.41	0.41	0.41

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Testing Room
Test Date:2019-10-15

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.0.361
Humidity:65.0%
Test Distance:11.160m [K=1.0000]
Remarks: