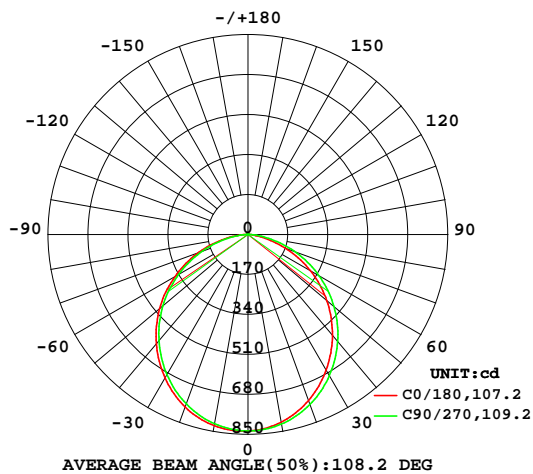


LUMINAIRE PHOTOMETRIC TEST REPORT

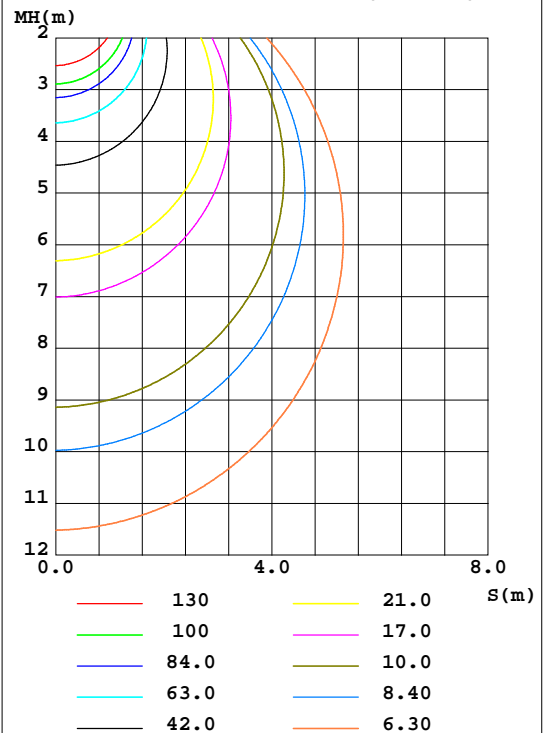
Test:U:24.00V I:1.223A P:29.20W PF:1.000 Freq:0Hz Lamp Flux:2274.7x1 lm		
NAME: LE9435	TYPE:	WEIGHT:
SPEC.:LE9435	DIM.: 1200*94*35	SERIAL No.:01
MFR.: COLORS	SUR.:1200*94	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.90 lm/W			
MODEL	LE9435	I _{max} (cd)	836.4	S/MH(C0/180)	1.25
NOMINAL POWER(W)	36	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	2274.7	h UP,DN(C0-180)	0.5,49.0
NOMINAL FLUX(lm)	2274.7	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.5,50.0
LAMPS INSIDE	1	h up(%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	h down(%)	99.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2020-06-22

g Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

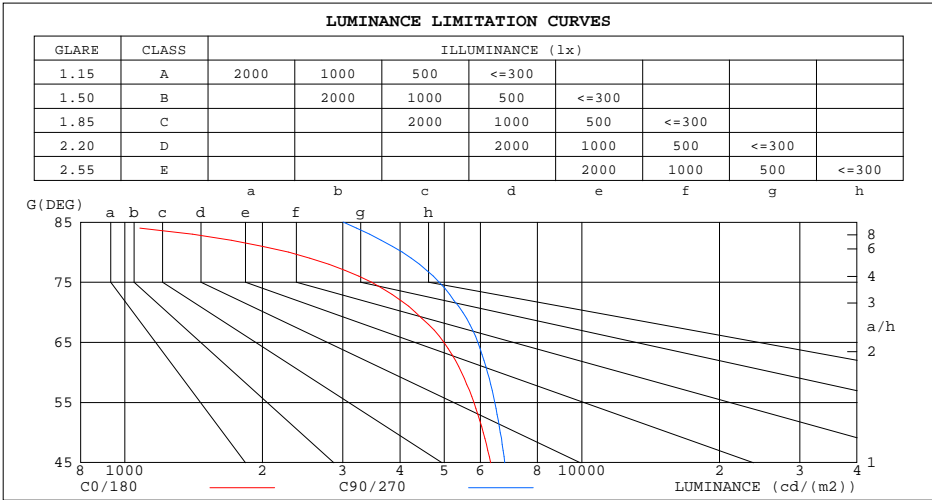
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	810.7	815.8	818.8	824.0	825.7	821.6	817.2	813.4	0- 10	78.94	78.94	3.47,3.47
20	751.8	762.0	769.7	778.7	780.7	774.2	766.9	757.6	10- 20	224.8	303.7	13.4,13.4
30	665.5	680.4	692.7	703.6	705.1	697.2	688.7	674.3	20- 30	336.9	640.6	28.2,28.2
40	559.5	577.4	593.7	605.0	606.3	597.8	589.2	570.4	30- 40	400.4	1041	45.8,45.8
50	438.1	457.8	477.7	489.2	490.7	481.0	472.8	450.0	40- 50	408.9	1450	63.7,63.7
60	305.3	323.9	348.3	357.3	359.1	351.9	341.3	318.4	50- 60	362.1	1812	79.7,79.7
70	165.7	186.6	210.4	220.4	222.4	215.3	205.4	180.2	60- 70	267.0	2079	91.4,91.4
80	44.43	60.34	78.78	87.86	89.99	83.52	76.62	56.20	70- 80	141.6	2221	97.6,97.6
90	1.022	1.496	2.085	3.125	2.767	1.622	0.4742	0.4958	80- 90	31.34	2252	99.99
100	1.795	1.791	1.636	1.543	0.9781	0.9612	1.117	1.353	90-100	1.264	2253	99.1,99.1
110	3.070	2.767	2.584	2.140	2.072	1.794	2.415	2.441	100-110	1.975	2255	99.1,99.1
120	4.151	3.835	3.840	2.941	3.121	2.696	3.614	3.465	110-120	2.917	2258	99.3,99.3
130	5.143	4.838	4.828	3.723	4.056	3.612	4.510	4.368	120-130	3.518	2262	99.4,99.4
140	6.050	5.692	5.510	4.584	4.897	4.673	5.177	5.296	130-140	3.723	2265	99.6,99.6
150	6.859	6.353	6.063	5.573	5.631	5.851	5.807	6.183	140-150	3.532	2269	99.7,99.7
160	7.768	6.920	6.871	6.775	6.608	7.164	6.755	6.818	150-160	2.995	2272	99.9,99.9
170	8.489	7.775	7.634	7.622	7.749	8.075	7.623	7.628	160-170	2.088	2274	100,100
180	9.178	8.737	8.329	8.329	9.164	8.670	8.349	8.329	170-180	0.7724	2275	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-06-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:1.223A P:29.20W PF:1.000 Freq:0Hz Lamp Flux:2274.7x1 lm		
NAME: LE9435	TYPE:	WEIGHT:
SPEC.:LE9435	DIM.: 1200*94*35	SERIAL No.:01
MFR.: COLORS	SUR.:1200*94	Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	735	3004
80	2285	4051
75	3465	4875
70	4327	5493
65	4988	5921
60	5453	6219
55	5809	6453
50	6085	6636
45	6319	6787

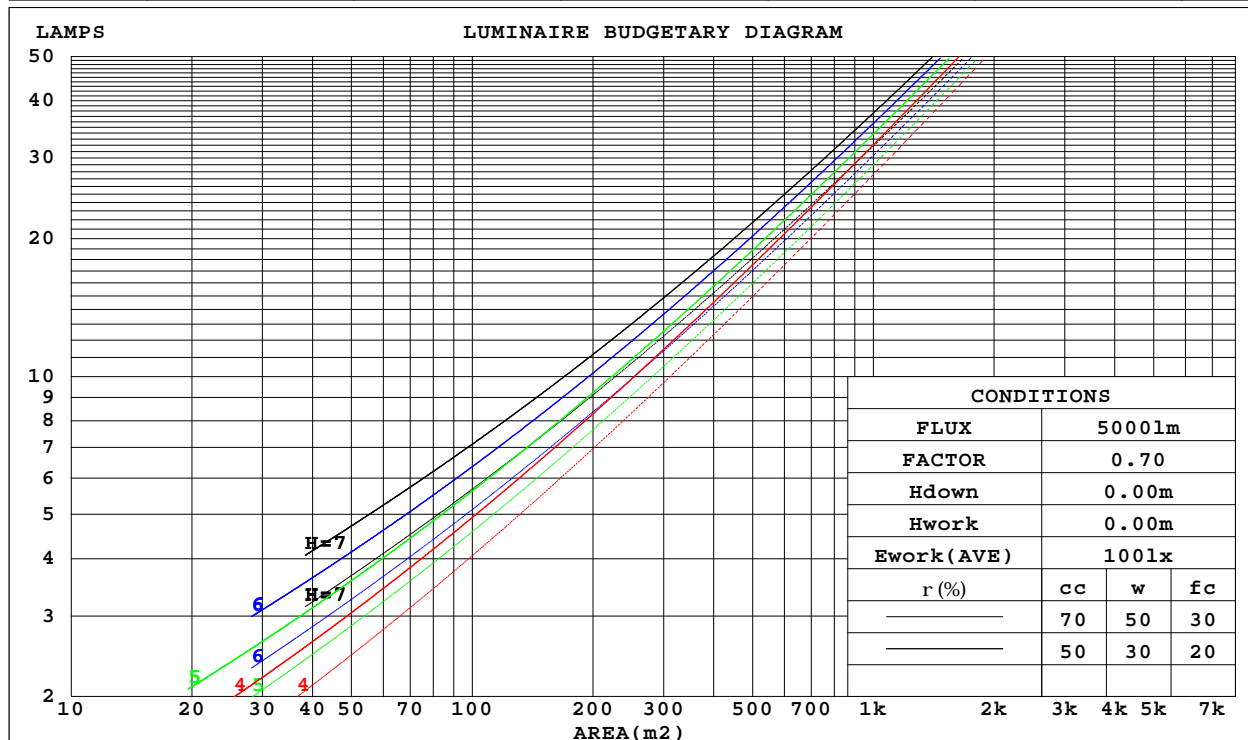
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-06-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:1.223A P:29.20W PF:1.000 Freq:0Hz Lamp Flux:2274.7x1 lm		
NAME: LE9435	TYPE:	WEIGHT:
SPEC.:LE9435	DIM.: 1200*94*35	SERIAL No.:01
MFR.: COLORS	SUR.:1200*94	Shielding Angle:

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2020-06-22

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:24.00V I:1.223A P:29.20W PF:1.000 Freq:0Hz Lamp Flux:2274.7x1 lm		
NAME: LE9435	TYPE:	WEIGHT:
SPEC.:LE9435	DIM.: 1200*94*35	SERIAL No.:01
MFR.: COLORS	SUR.:1200*94	Shielding 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	.299 .170 .054	.291 .166 .053	.278 .159 .051	.265 .153 .049	.253 .147 .047	
2.0	.284 .155 .048	.277 .153 .047	.265 .147 .046	.254 .142 .045	.243 .138 .043	
3.0	.264 .140 .042	.258 .138 .042	.247 .134 .041	.237 .130 .040	.228 .126 .039	
4.0	.244 .127 .037	.239 .125 .037	.230 .122 .036	.221 .119 .036	.213 .116 .035	
5.0	.226 .115 .033	.222 .114 .033	.213 .111 .033	.206 .108 .032	.198 .106 .032	
6.0	.210 .105 .030	.206 .104 .030	.199 .102 .030	.192 .100 .029	.185 .097 .029	
7.0	.196 .097 .027	.193 .096 .027	.186 .094 .027	.179 .092 .027	.173 .090 .026	
8.0	.183 .090 .025	.180 .089 .025	.174 .087 .025	.168 .085 .025	.163 .084 .024	
9.0	.172 .083 .023	.169 .082 .023	.164 .081 .023	.159 .079 .023	.154 .078 .023	
10.0	.162 .078 .022	.159 .077 .021	.154 .076 .021	.150 .074 .021	.145 .073 .021	

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	.198 .198 .198	.169 .169 .169	.116 .116 .116	.066 .066 .066	.021 .021 .021	
1.0	.187 .164 .143	.160 .141 .123	.110 .097 .085	.063 .056 .049	.020 .018 .016	
2.0	.179 .140 .107	.153 .120 .092	.105 .083 .064	.061 .048 .038	.019 .016 .012	
3.0	.171 .122 .083	.147 .105 .072	.101 .073 .050	.058 .043 .030	.019 .014 .010	
4.0	.163 .109 .067	.140 .094 .058	.096 .065 .041	.056 .038 .024	.018 .012 .008	
5.0	.156 .098 .056	.134 .085 .048	.092 .059 .034	.054 .035 .020	.017 .011 .007	
6.0	.149 .090 .047	.128 .078 .041	.088 .055 .029	.051 .032 .017	.017 .010 .006	
7.0	.142 .083 .041	.122 .072 .036	.085 .050 .026	.049 .030 .015	.016 .010 .005	
8.0	.136 .077 .037	.117 .067 .032	.081 .047 .023	.047 .028 .014	.015 .009 .005	
9.0	.130 .072 .033	.112 .063 .029	.078 .044 .021	.045 .026 .012	.015 .009 .004	
10.0	.124 .068 .031	.107 .059 .027	.074 .042 .019	.043 .025 .011	.014 .008 .004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-06-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:1.223A P:29.20W PF:1.000 Freq:0Hz Lamp Flux:2274.7x1 lm											
NAME: LE9435					TYPE:			WEIGHT:			
SPEC.:LE9435					DIM.: 1200*94*35			SERIAL No.:01			
MFR.: COLORS					SUR.:1200*94			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	15.9	17.4	16.2	17.6	17.8	16.3	17.8	16.6	18.0	18.3	
	3H	17.1	18.4	17.4	18.7	19.0	17.8	19.1	18.1	19.4	19.6
	4H	17.4	18.7	17.8	19.0	19.3	18.3	19.6	18.6	19.9	20.1
	6H	17.6	18.8	17.9	19.1	19.4	18.6	19.8	19.0	20.1	20.4
	8H	17.6	18.8	17.9	19.1	19.4	18.7	19.9	19.1	20.2	20.5
	12H	17.5	18.7	17.9	19.0	19.3	18.7	19.9	19.1	20.2	20.5
4H	2H	16.5	17.8	16.8	18.0	18.3	16.8	18.1	17.2	18.4	18.7
	3H	17.8	19.0	18.2	19.3	19.6	18.4	19.6	18.8	19.9	20.2
	4H	18.3	19.3	18.7	19.7	20.0	19.1	20.1	19.4	20.4	20.8
	6H	18.5	19.4	18.9	19.8	20.2	19.5	20.4	19.9	20.8	21.2
	8H	18.6	19.4	19.0	19.8	20.2	19.6	20.5	20.0	20.8	21.3
	12H	18.5	19.3	19.0	19.7	20.1	19.7	20.5	20.1	20.9	21.3
8H	4H	18.5	19.4	18.9	19.8	20.2	19.2	20.1	19.6	20.4	20.8
	6H	18.8	19.5	19.3	20.0	20.4	19.7	20.4	20.2	20.9	21.3
	8H	18.9	19.5	19.4	20.0	20.4	19.9	20.5	20.4	21.0	21.4
	12H	18.9	19.4	19.4	19.9	20.4	20.0	20.6	20.5	21.0	21.5
12H	4H	18.5	19.3	19.0	19.7	20.1	19.2	20.0	19.6	20.4	20.8
	6H	18.9	19.5	19.3	19.9	20.4	19.7	20.4	20.2	20.8	21.3
	8H	18.9	19.5	19.4	19.9	20.4	19.9	20.5	20.4	20.9	21.4
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3					

CIE Pub.117, 2275 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.9)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-06-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:1.223A P:29.20W PF:1.000 Freq:0Hz Lamp Flux:2274.7x1 lm		
NAME: LE9435	TYPE:	WEIGHT:
SPEC.:LE9435	DIM.: 1200*94*35	SERIAL No.:01
MFR.: COLORS	SUR.:1200*94	Shielding Angle:

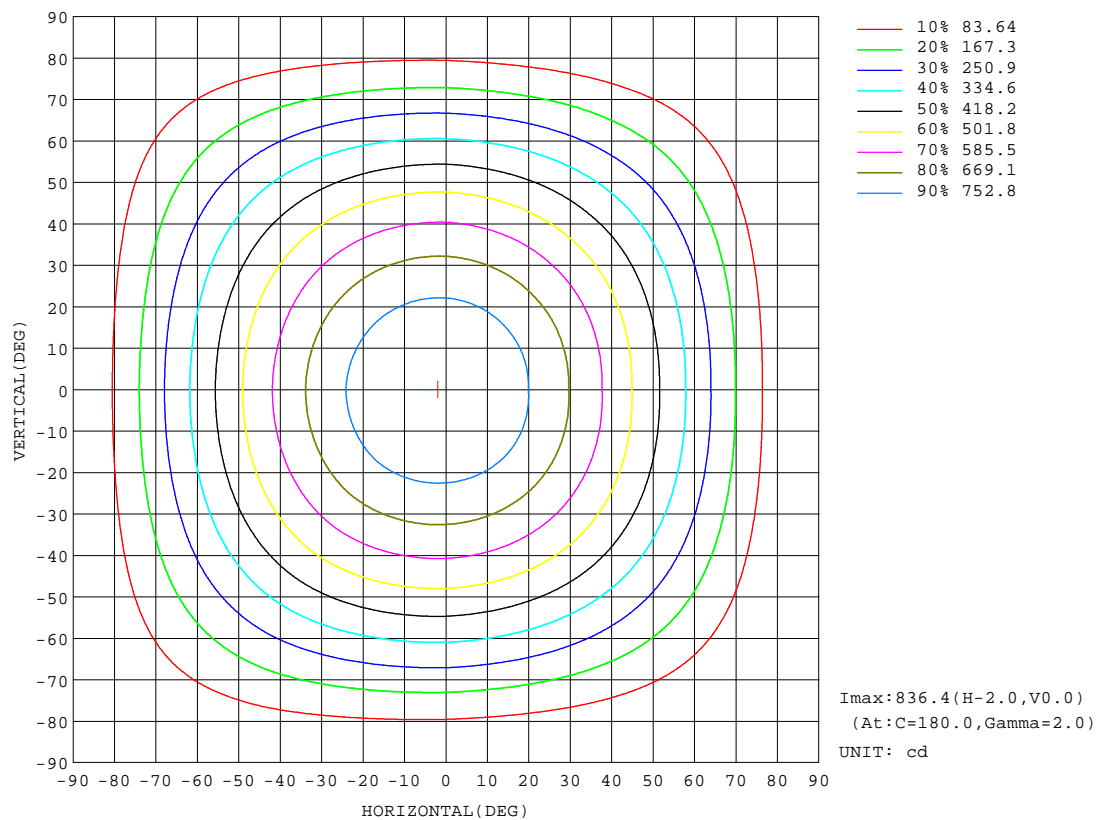
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	39	33
0.80	68	57	49	67	56	49	65	55	49	42
1.00	77	66	59	75	65	58	73	66	58	51
1.25	84	73	66	82	73	66	79	71	65	58
1.50	89	79	72	87	78	72	84	76	70	63
2.00	95	87	81	94	86	80	90	83	78	70
2.50	99	92	86	97	90	85	93	87	83	74
3.00	103	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	99	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-06-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:1.223A P:29.20W PF:1.000 Freq:0Hz Lamp Flux:2274.7x1 lm		
NAME: LE9435	TYPE:	WEIGHT:
SPEC.:LE9435	DIM.: 1200*94*35	SERIAL No.:01
MFR.: COLORS	SUR.:1200*94	Shielding Angle:



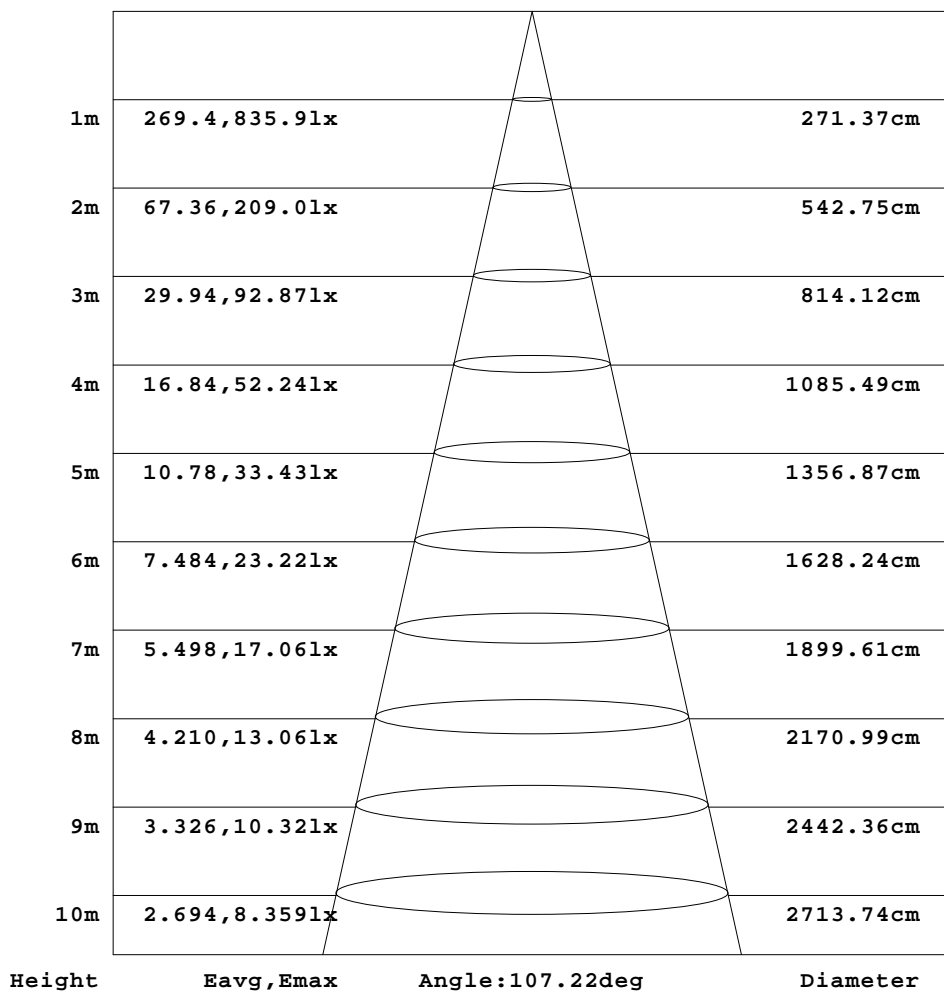
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-06-22

deg Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:1.223A P:29.20W PF:1.000 Freq:0Hz Lamp Flux:2274.7x1 lm		
NAME: LE9435	TYPE:	WEIGHT:
SPEC.:LE9435	DIM.: 1200*94*35	SERIAL No.:01
MFR.: COLORS	SUR.:1200*94	Shielding Angle:

Flux out:1603 lm



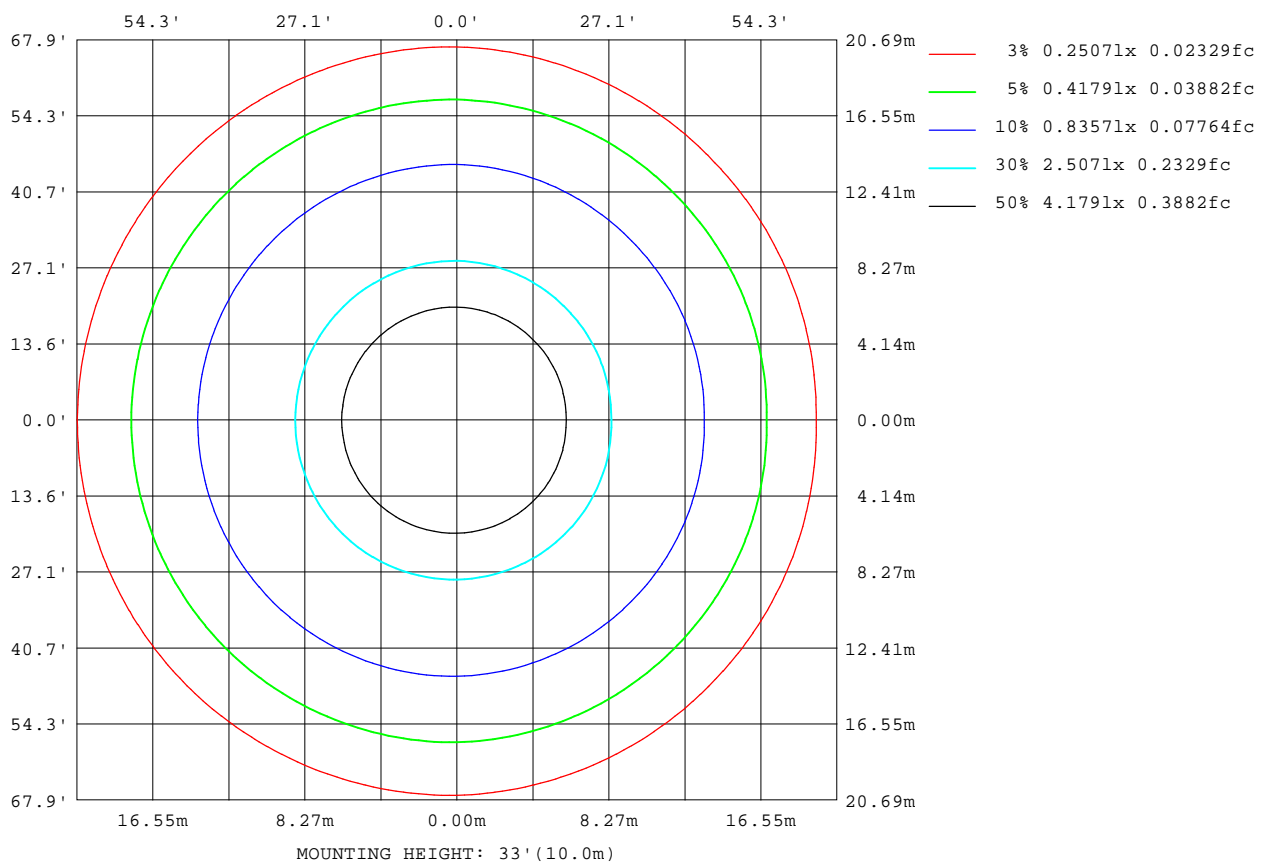
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-06-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

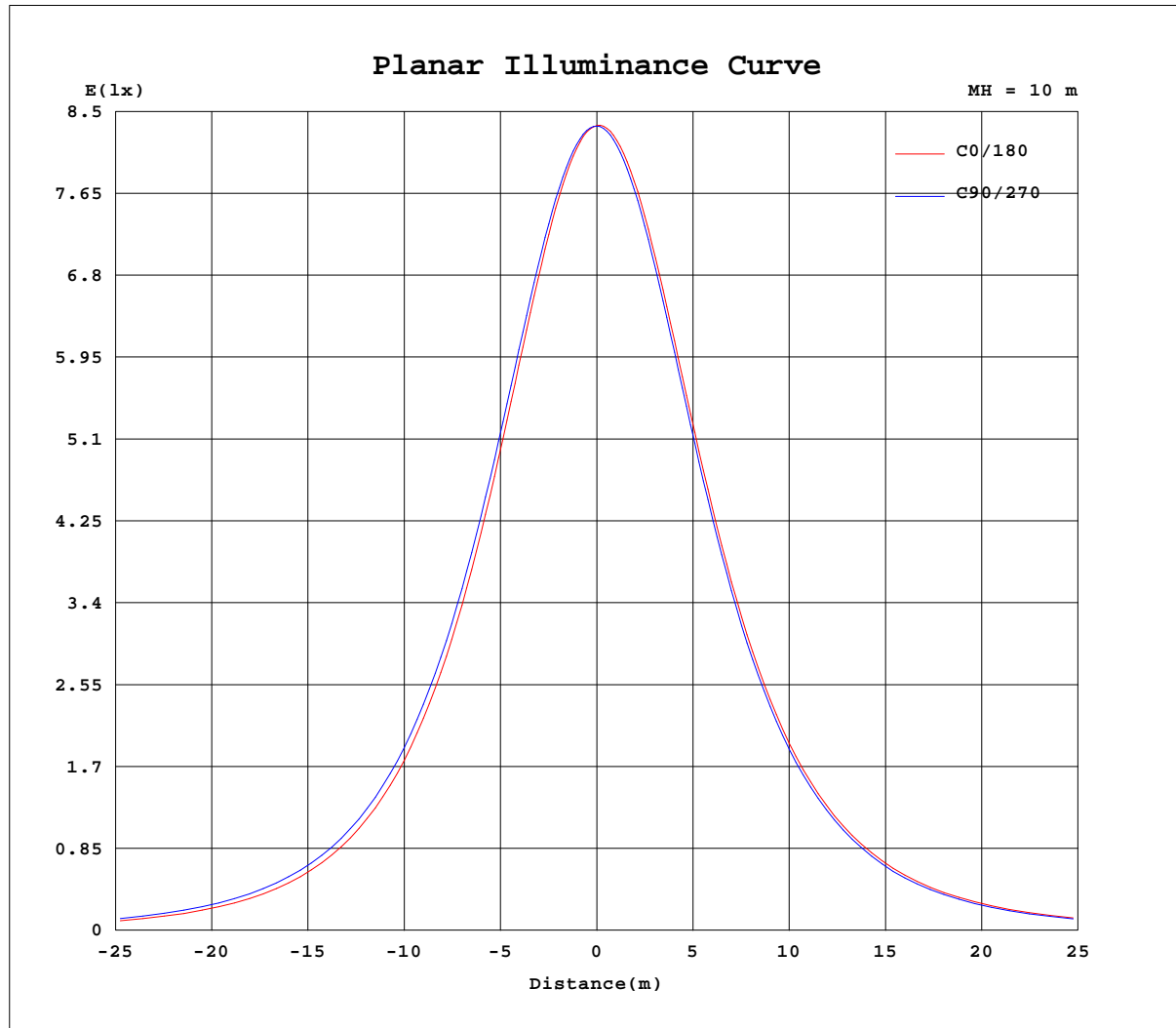
Test:U:24.00V I:1.223A P:29.20W PF:1.000 Freq:0Hz Lamp Flux:2274.7x1 lm		
NAME: LE9435	TYPE:	WEIGHT:
SPEC.:LE9435	DIM.: 1200*94*35	SERIAL No.:01
MFR.: COLORS	SUR.:1200*94	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-06-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JYH
Test Date: 2020-06-22

Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:1.223A P:29.20W PF:1.000 Freq:0Hz Lamp Flux:2274.7x1 lm		
NAME: LE9435	TYPE:	WEIGHT:
SPEC.:LE9435	DIM.: 1200*94*35	SERIAL No.:01
MFR.: COLORS	SUR.:1200*94	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	45	90	135	180	225	270	315										
0	836	836	835	836	836	836	835	836										
5	828	830	831	834	835	833	830	829										
10	811	816	819	824	826	822	817	813										
15	785	793	798	806	808	802	796	790										
20	752	762	770	779	781	774	767	758										
25	712	725	734	745	746	739	731	719										
30	666	680	693	704	705	697	689	674										
35	614	631	646	657	658	650	641	624										
40	559	577	594	605	606	598	589	570										
45	500	519	538	549	550	541	533	512										
50	438	458	478	489	491	481	473	450										
55	373	392	415	426	428	418	409	385										
60	305	324	348	357	359	352	341	318										
65	236	256	280	290	291	284	274	250										
70	166	187	210	220	222	215	205	180										
75	100	120	141	152	154	146	138	114										
80	44.4	60.3	78.8	87.9	90.0	83.5	76.6	56.2										
85	7.17	16.8	29.3	35.1	36.3	31.8	27.2	13.9										
90	1.02	1.50	2.09	3.12	2.77	1.62	0.47	0.50										
95	1.28	1.53	1.69	1.44	0.52	0.57	0.72	0.82										
100	1.80	1.79	1.64	1.54	0.98	0.96	1.12	1.35										
105	2.43	2.19	1.93	1.78	1.53	1.38	1.71	1.91										
110	3.07	2.77	2.58	2.14	2.07	1.79	2.41	2.44										
115	3.60	3.33	3.30	2.56	2.62	2.26	3.07	2.92										
120	4.15	3.84	3.84	2.94	3.12	2.70	3.61	3.46										
125	4.66	4.33	4.35	3.34	3.60	3.16	4.08	3.93										
130	5.14	4.84	4.83	3.72	4.06	3.61	4.51	4.37										
135	5.61	5.28	5.21	4.14	4.50	4.15	4.88	4.83										
140	6.05	5.69	5.51	4.58	4.90	4.67	5.18	5.30										
145	6.50	6.05	5.75	5.05	5.27	5.28	5.48	5.72										
150	6.86	6.35	6.06	5.57	5.63	5.85	5.81	6.18										
155	7.45	6.60	6.49	6.15	6.11	6.49	6.28	6.50										
160	7.77	6.92	6.87	6.77	6.61	7.16	6.75	6.82										
165	8.12	7.29	7.25	7.37	7.17	7.75	7.20	7.25										
170	8.49	7.78	7.63	7.62	7.75	8.08	7.62	7.63										
175	8.87	8.27	8.02	7.99	8.27	8.40	8.05	8.01										
180	9.18	8.74	8.33	8.33	9.16	8.67	8.35	8.33										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-06-22

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks: