

Luminaire Photograph



Light Output Ratio:	71.3%	
Luminaire Power:	4.992 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2025-9-3

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity: 65.0%
Test Distance: 3.160m [K=1.0000]
Remarks: LAMP: XHP35B-H0-0000-0D0UB230G Ra:90
LENS: 40R
DRIVER: LS-6-350 SIE 350mA
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

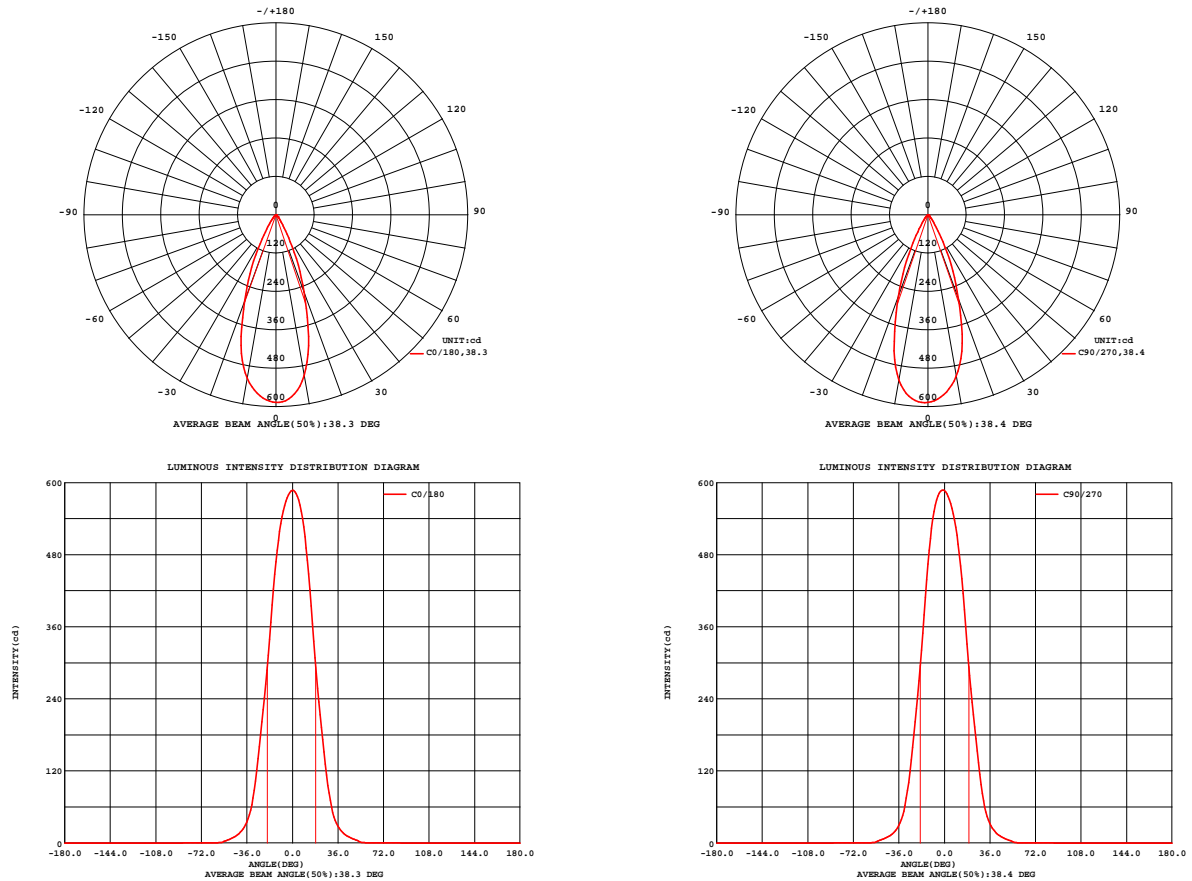


Fig. C0/C180

Fig. C90/C270

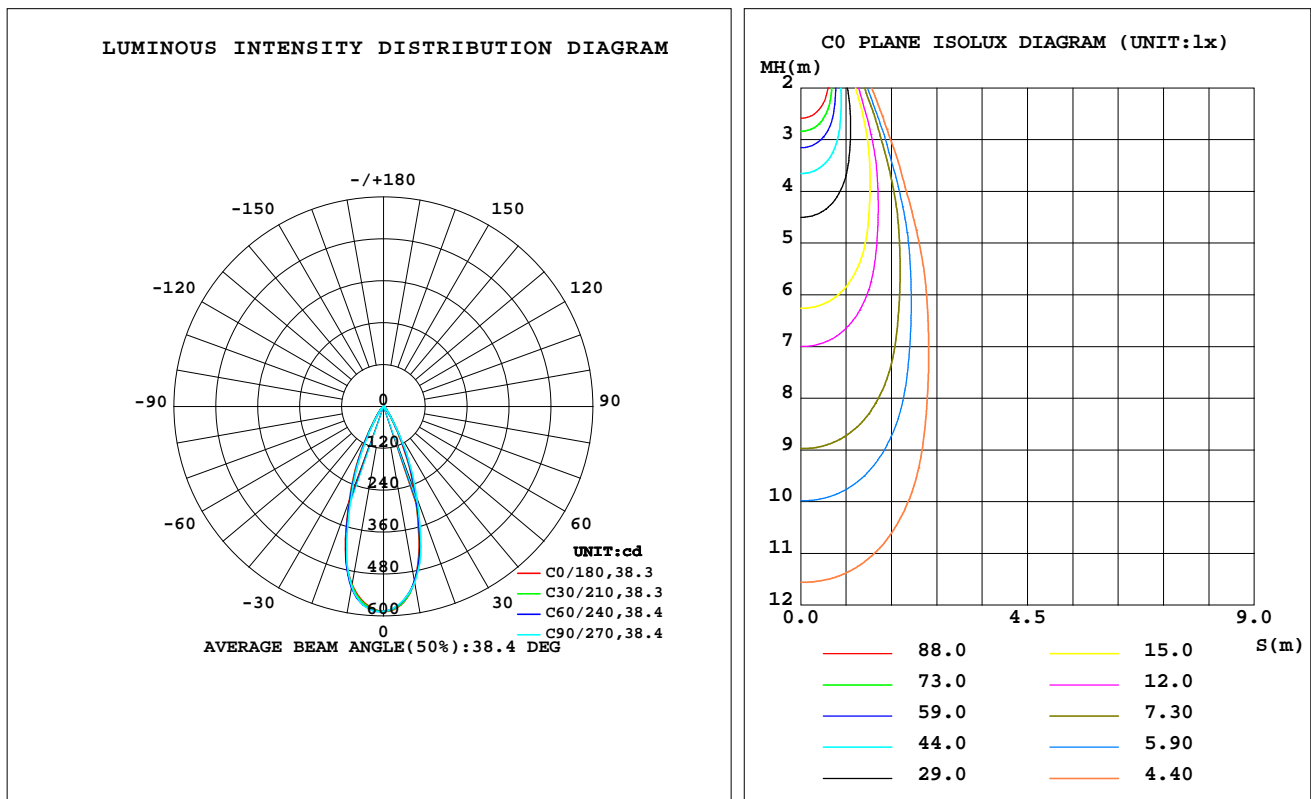
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LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.20V I:0.0360A P:4.9924W PF:0.6217 Freq:49.99Hz Lamp Flux:383.588x1 lm		
NAME: 2468.107	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509030607
MFR.: RISE	SUR.: 0.001734065m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 54.76 lm/W			
MODEL	CREE	I _{max} (cd)	587.9	S/MH(C0/180)	0.64
NOMINAL POWER(W)	5	LOR(%)	71.3	S/MH(C90/270)	0.62
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	273.41	η UP,DN(C0-180)	0.0,35.7
NOMINAL FLUX(lm)	383.588	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,35.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	71.3	CIBSE SHR MAX	0.65



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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	509.7	509.8	512.2	513.6	518.6	524.6	524.2	517.3	0- 10	52.76	52.76	19.3,13.8
20	257.6	267.2	279.1	285.9	287.7	280.7	269.6	259.1	10- 20	110.7	163.4	59.8,42.6
30	71.29	75.92	82.39	88.61	87.69	81.12	74.83	68.61	20- 30	75.29	238.7	87.3,62.2
40	17.19	18.24	19.53	20.57	20.75	18.90	17.29	16.63	30- 40	24.51	263.2	96.3,68.6
50	5.093	5.318	5.512	5.794	5.839	5.450	5.129	5.048	40- 50	8.219	271.4	99.3,70.8
60	0.3497	0.3442	0.3621	0.3721	0.3626	0.3581	0.3583	0.3472	50- 60	1.724	273.2	99.9,71.2
70	0.0889	0.0829	0.0893	0.0905	0.0880	0.0873	0.0924	0.0897	60- 70	0.1934	273.4	100,71.3
80	0.0157	0.0144	0.0179	0.0157	0.0162	0.0111	0.0169	0.0140	70- 80	0.0464	273.4	100,71.3
90	0	0	0	0	0	0	0	0	80- 90	0.0037	273.4	100,71.3
100	0	0	0	0	0	0	0	0	90-100	0	273.4	100,71.3
110	0	0	0	0	0	0	0	0	100-110	0	273.4	100,71.3
120	0	0	0	0	0	0	0	0	110-120	0	273.4	100,71.3
130	0	0	0	0	0	0	0	0	120-130	0	273.4	100,71.3
140	0	0	0	0	0	0	0	0	130-140	0	273.4	100,71.3
150	0	0	0	0	0	0	0	0	140-150	0	273.4	100,71.3
160	0	0	0	0	0	0	0	0	150-160	0	273.4	100,71.3
170	0	0	0	0	0	0	0	0	160-170	0	273.4	100,71.3
180	0	0	0	0	0	0	0	0	170-180	0	273.4	100,71.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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γ Range: 0 - 180DEG
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Humidity:65.0%
Test Distance:3.160m [K=1.0000]
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LENS:40R
DRIVER:LS-6-350 SIE 350mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:220.20V I:0.0360A P:4.9924W PF:0.6217 Freq:49.99Hz
Lamp Flux:383.588x1 lm

NAME: 2468.107

TYPE:

WEIGHT:

SPEC.: 3000K

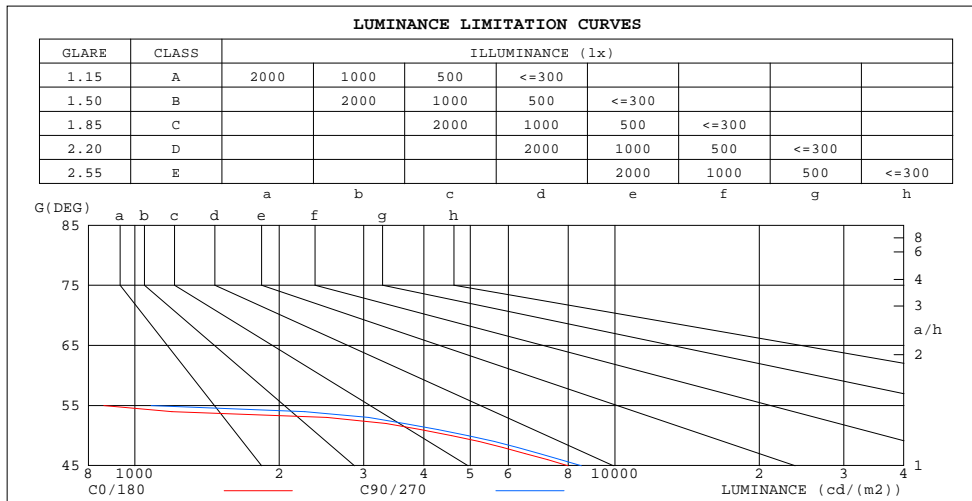
DIM.:

SERIAL No.: 2509030607

MFR.: RISE

SUR.: 0.001734065m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	0	19
80	52	59
75	90	96
70	150	151
65	249	247
60	404	418
55	861	1081
50	4575	4945
45	7982	8517

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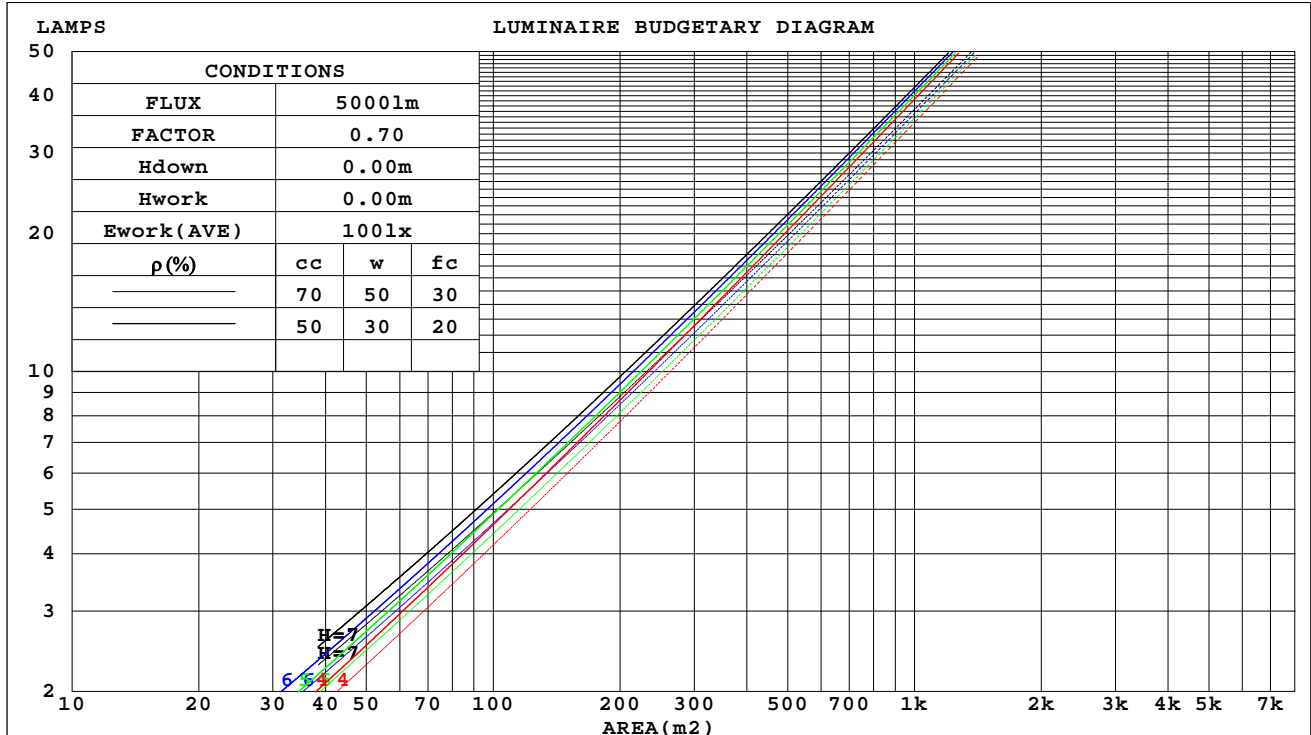
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.: 3000K	DIM.:	SERIAL No.: 2509030607
MFR.: RISE	SUR.: 0.001734065m2	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



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WEC AND CCEC

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NAME: 2468.107	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509030607
MFR.: RISE	SUR.: 0.001734065m2	Shielding 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	.111	.063	.020	.107	.061	.019	.098	.056	.018	.090	.052	.017	.082	.048	.015	
2.0	.105	.058	.018	.101	.056	.017	.094	.052	.016	.087	.049	.015	.081	.046	.014	
3.0	.099	.053	.016	.096	.051	.015	.090	.049	.015	.084	.046	.014	.079	.044	.013	
4.0	.094	.049	.014	.091	.048	.014	.086	.046	.014	.081	.044	.013	.076	.042	.013	
5.0	.090	.046	.013	.087	.045	.013	.082	.043	.013	.078	.041	.012	.074	.040	.012	
6.0	.085	.043	.012	.083	.042	.012	.079	.041	.012	.075	.039	.012	.072	.038	.011	
7.0	.081	.040	.011	.080	.040	.011	.076	.038	.011	.073	.037	.011	.070	.036	.011	
8.0	.078	.038	.011	.076	.038	.011	.073	.037	.010	.070	.036	.010	.068	.035	.010	
9.0	.075	.036	.010	.073	.036	.010	.071	.035	.010	.068	.034	.010	.065	.033	.010	
10.0	.072	.034	.010	.071	.034	.010	.068	.033	.009	.066	.033	.009	.063	.032	.009	

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	.136	.136	.136	.116	.116	.116	.079	.079	.079	.045	.045	.045	.015	.015	.015	
1.0	.121	.112	.104	.103	.096	.090	.071	.066	.062	.041	.038	.036	.013	.012	.012	
2.0	.109	.095	.082	.093	.081	.071	.064	.056	.050	.037	.033	.029	.012	.011	.009	
3.0	.099	.081	.066	.085	.070	.057	.058	.048	.040	.034	.028	.024	.011	.009	.008	
4.0	.091	.070	.054	.078	.061	.047	.054	.042	.033	.031	.025	.020	.010	.008	.006	
5.0	.084	.062	.045	.073	.053	.039	.050	.037	.027	.029	.022	.016	.009	.007	.005	
6.0	.079	.055	.038	.068	.047	.033	.047	.033	.023	.027	.020	.014	.009	.006	.005	
7.0	.074	.049	.032	.063	.043	.028	.044	.030	.020	.025	.018	.012	.008	.006	.004	
8.0	.069	.045	.027	.060	.039	.024	.041	.027	.017	.024	.016	.010	.008	.005	.003	
9.0	.066	.041	.024	.057	.035	.021	.039	.025	.015	.023	.015	.009	.007	.005	.003	
10.0	.062	.037	.021	.054	.033	.018	.037	.023	.013	.022	.014	.008	.007	.004	.003	

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30minutes warm-up

UGR(Unified Glare Rating) Table

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NAME: 2468.107					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2509030607		
MFR.: RISE					SUR.: 0.001734065m2			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	15.4	16.2	15.7	16.4	16.6	15.9	16.7	16.2	16.9	17.1
3H	15.3	16.0	15.5	16.2	16.4	15.8	16.5	16.0	16.7	16.9
4H	15.2	15.9	15.5	16.1	16.3	15.7	16.4	16.0	16.6	16.8
6H	15.1	15.8	15.4	16.0	16.2	15.6	16.3	15.9	16.5	16.7
8H	15.1	15.7	15.4	15.9	16.2	15.6	16.2	15.9	16.4	16.7
12H	15.0	15.6	15.3	15.9	16.2	15.5	16.1	15.8	16.4	16.7
4H 2H	15.2	15.9	15.5	16.1	16.3	15.7	16.4	16.0	16.6	16.8
3H	15.0	15.6	15.3	15.9	16.2	15.5	16.1	15.8	16.4	16.7
4H	14.9	15.5	15.3	15.8	16.1	15.4	16.0	15.8	16.3	16.6
6H	14.8	15.3	15.2	15.7	16.0	15.3	15.8	15.7	16.2	16.5
8H	14.8	15.2	15.2	15.6	16.0	15.3	15.7	15.7	16.1	16.5
12H	14.7	15.1	15.1	15.5	15.9	15.2	15.6	15.6	16.0	16.4
8H 4H	14.8	15.2	15.2	15.6	16.0	15.3	15.7	15.7	16.1	16.5
6H	14.7	15.1	15.1	15.4	15.9	15.2	15.6	15.6	15.9	16.4
8H	14.6	14.9	15.1	15.4	15.8	15.1	15.5	15.6	15.9	16.3
12H	14.6	14.8	15.0	15.3	15.8	15.1	15.3	15.5	15.8	16.3
12H 4H	14.7	15.1	15.1	15.5	15.9	15.2	15.6	15.6	16.0	16.4
6H	14.6	14.9	15.1	15.4	15.8	15.1	15.5	15.6	15.9	16.3
8H	14.6	14.8	15.0	15.3	15.8	15.1	15.3	15.5	15.8	16.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.9 / -15.8					+ 3.3 / -16.1				
1.5H	+ 4.2 / -13.5					+ 4.7 / -13.6				
2.0H	+ 6.1 / -14.4					+ 6.2 / -14.8				

CIE Pub.117, 383.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.3)
Area: 0.00173407 m2

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UTILIZATION FACTORS TABLE

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MFR.: RISE	SUR.: 0.001734065m2	Shielding Angle:

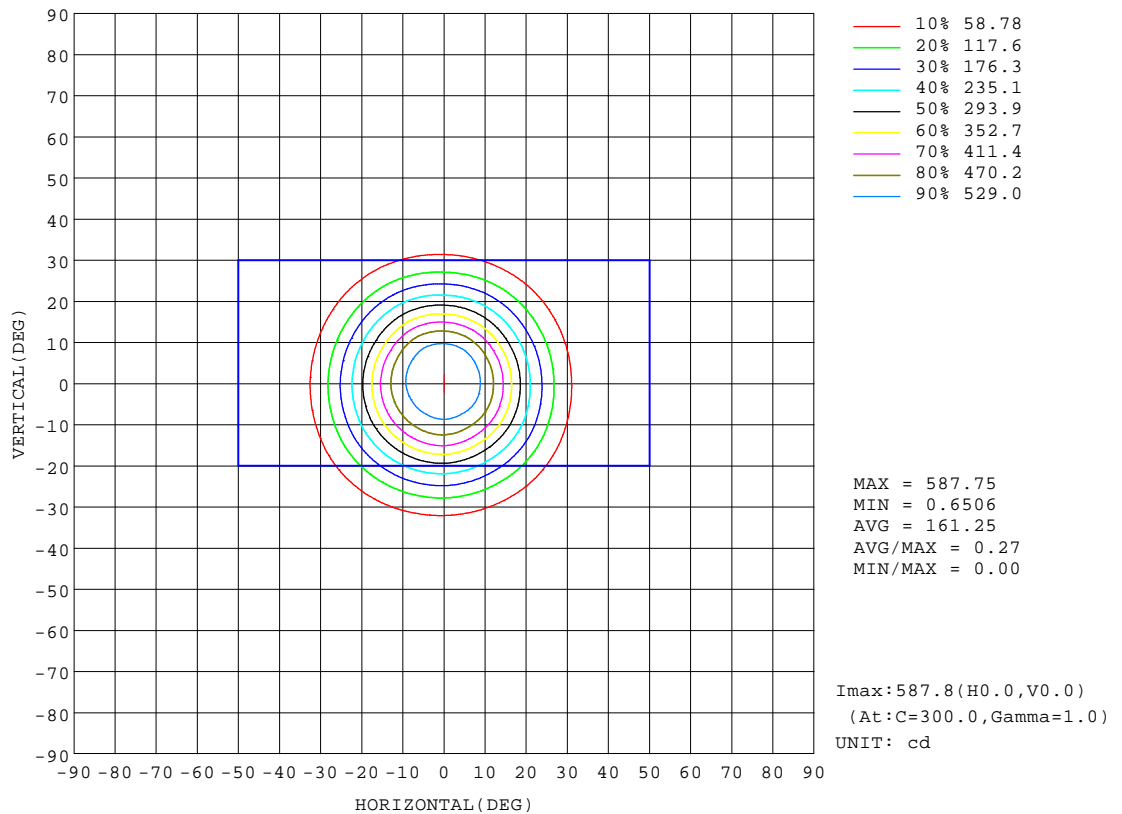
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	64	59	57	63	59	57	63	59	57	54
0.80	69	65	62	68	65	62	67	64	62	59
1.00	72	68	66	71	68	65	70	67	65	62
1.25	74	71	69	74	71	68	72	70	68	65
1.50	76	73	71	75	73	70	74	71	70	67
2.00	78	75	73	77	74	72	75	73	71	68
2.50	79	76	74	78	76	74	76	74	72	68
3.00	80	78	76	79	77	75	76	75	74	69
4.00	81	80	78	80	78	77	77	76	75	70
5.00	82	81	80	81	79	78	78	77	76	71
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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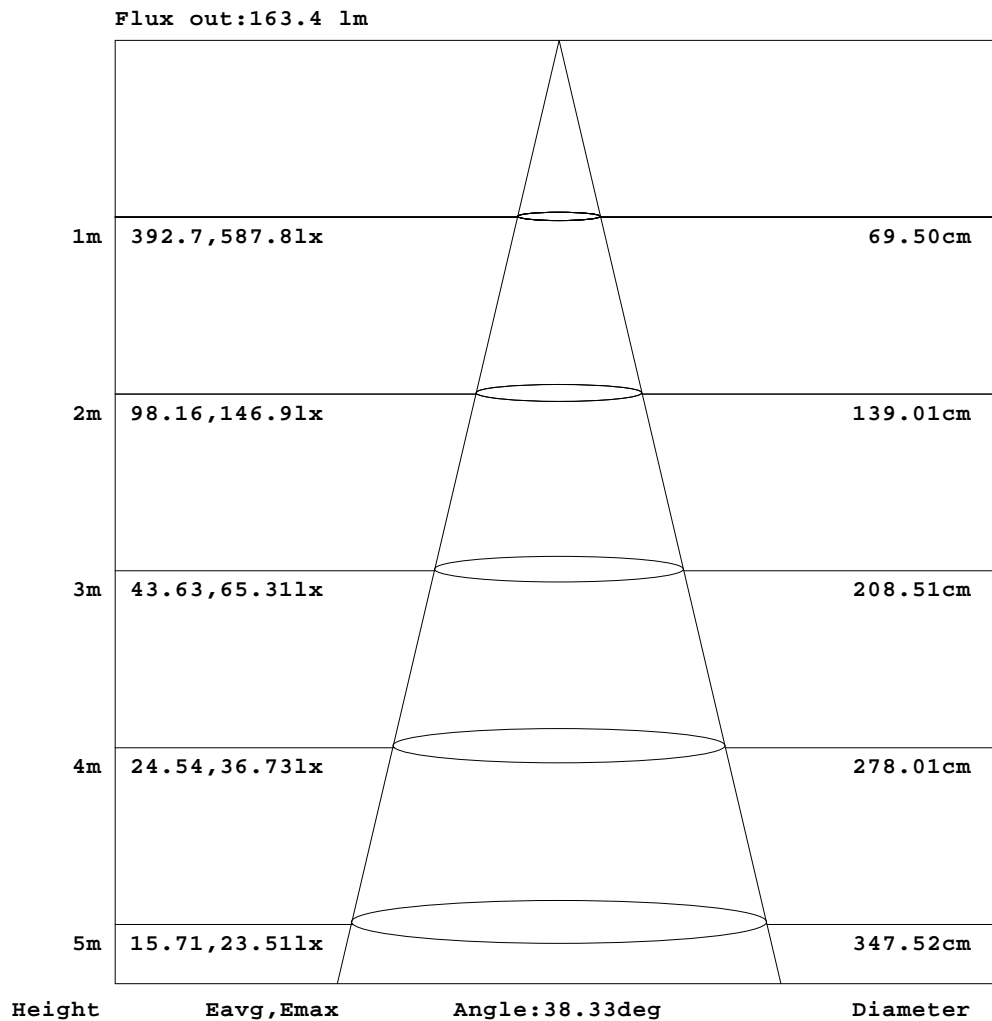


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AAI Figure

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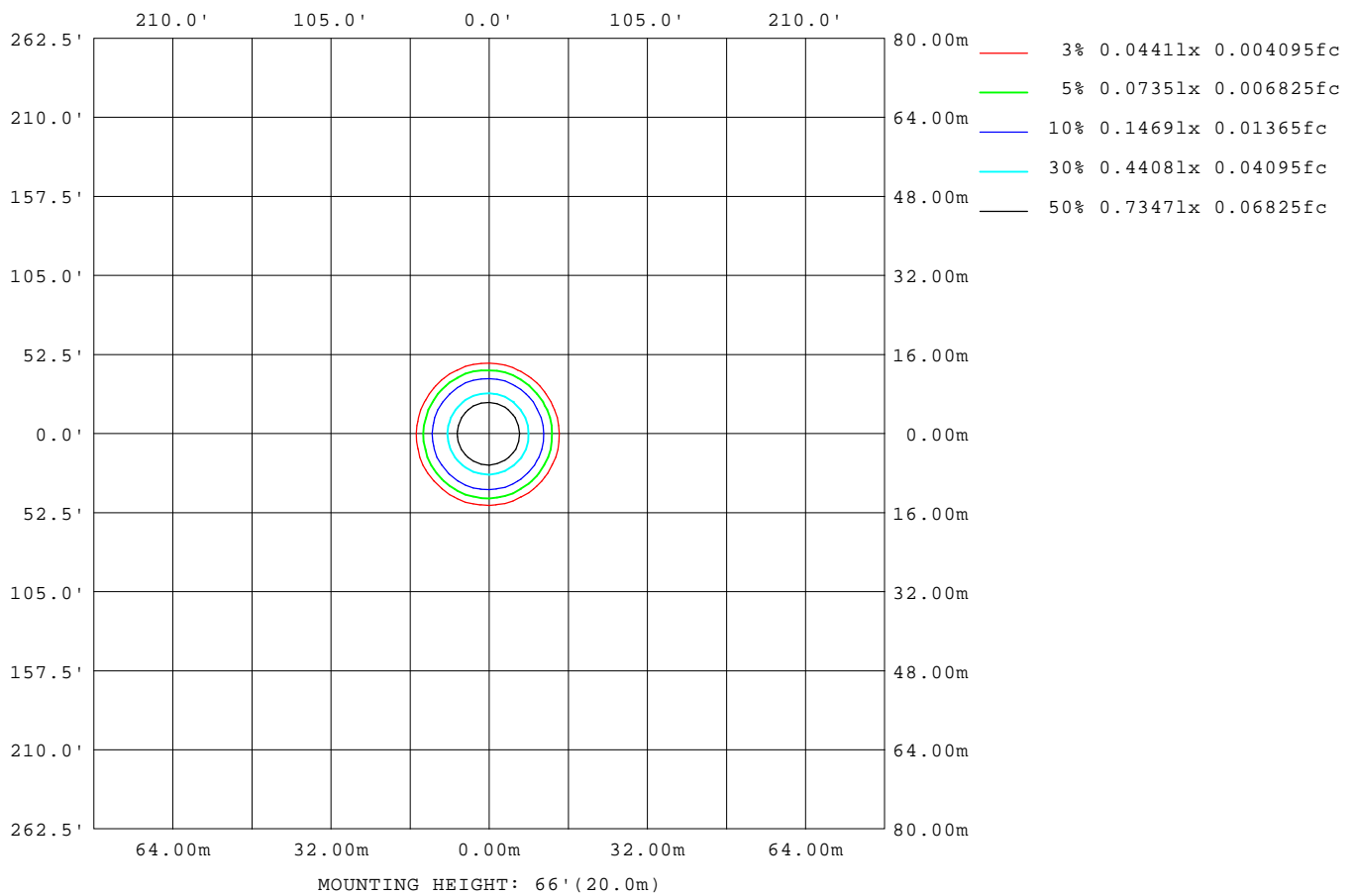
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:XHP35B-H0-0000-0D0UB230G Ra:90
LENS:40R
DRIVER:LS-6-350 SIE 350mA
30minutes warm-up

LED Avg.L Report

Test:U:220.20V I:0.0360A P:4.9924W PF:0.6217 Freq:49.99Hz Lamp Flux:383.588x1 lm		
NAME: 2468.107	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509030607
MFR.: RISE	SUR.: 0.001734065m2	Shielding Angle:

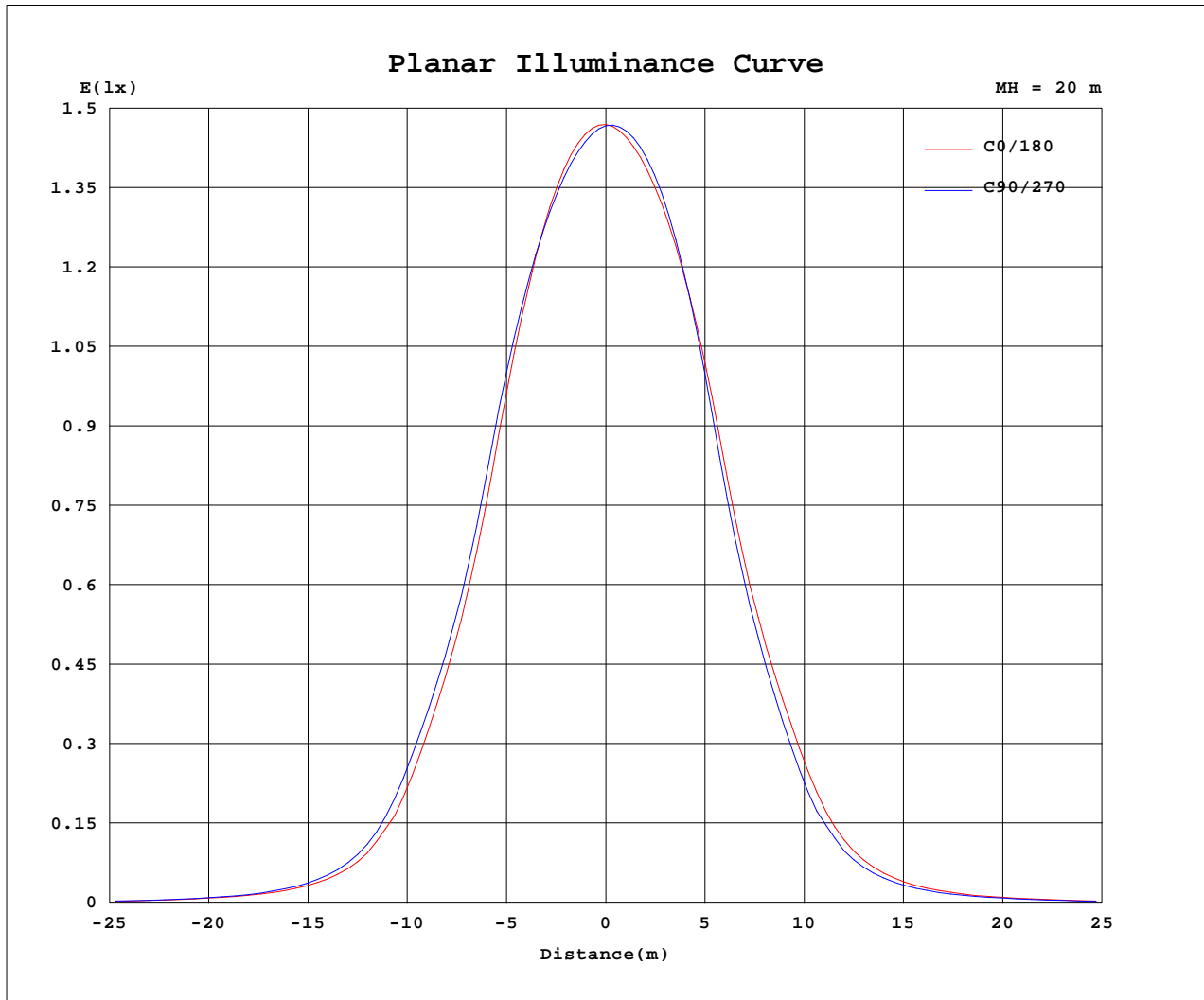
AvgL	cd/m2
L_0~180(65)av	254
L_0~180(75)av	90
L_0~180(85)av	4
L_90~270(65)av	252
L_90~270(75)av	93
L_90~270(85)av	17
L_45(65)av	248
L_45(75)av	89
L_45(85)av	2

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2025-9-3

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:XHP35B-H0-0000-0D0UB230G Ra:90
LENS:40R
DRIVER:LS-6-350 SIE 350mA
30minutes warm-up

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: zoe
 Test Date: 2025-9-3

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
 Humidity: 65.0%
 Test Distance: 3.160m [K=1.0000]
 Remarks: LAMP: XHP35B-H0-0000-0D0UB230G Ra:90
 LENS: 40R
 DRIVER: LS-6-350 SIE 350mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.20V I:0.0360A P:4.9924W PF:0.6217 Freq:49.99Hz Lamp Flux:383.588x1 lm		
NAME: 2468.107	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2509030607
MFR.: RISE	SUR.: 0.001734065m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	587	587	587	587	587	587	587	587	587	587	587	587						
5	571	569	566	565	564	566	569	571	576	577	577	573						
10	510	511	509	512	512	515	519	521	528	524	521	513						
15	394	402	404	415	418	422	423	417	421	409	403	394						
20	258	266	268	279	283	289	288	281	281	270	263	255						
25	152	161	164	173	178	183	181	173	170	159	155	148						
30	71.3	73.7	78.1	82.4	87.8	89.4	87.7	83.4	78.8	74.8	68.7	68.5						
35	32.8	34.4	35.8	38.1	39.7	41.4	40.5	37.7	36.2	33.8	32.0	31.5						
40	17.2	18.2	18.3	19.5	19.9	21.2	20.7	18.9	18.8	17.3	16.7	16.6						
45	9.77	10.0	10.1	10.4	10.8	11.2	11.0	10.4	10.2	9.74	9.48	9.54						
50	5.09	5.31	5.33	5.51	5.72	5.87	5.84	5.51	5.39	5.13	5.11	4.99						
55	0.86	0.87	0.90	1.08	1.31	1.61	1.54	1.28	1.14	0.94	0.88	0.86						
60	0.35	0.35	0.34	0.36	0.37	0.37	0.36	0.36	0.36	0.36	0.35	0.34						
65	0.18	0.18	0.17	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.18	0.18						
70	0.09	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09						
75	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04						
80	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01						
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2025-9-3

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