

燈具實物照片



Light Output Ratio:	82.1%	
Luminaire Power:	15.26 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.85	fine grid method.

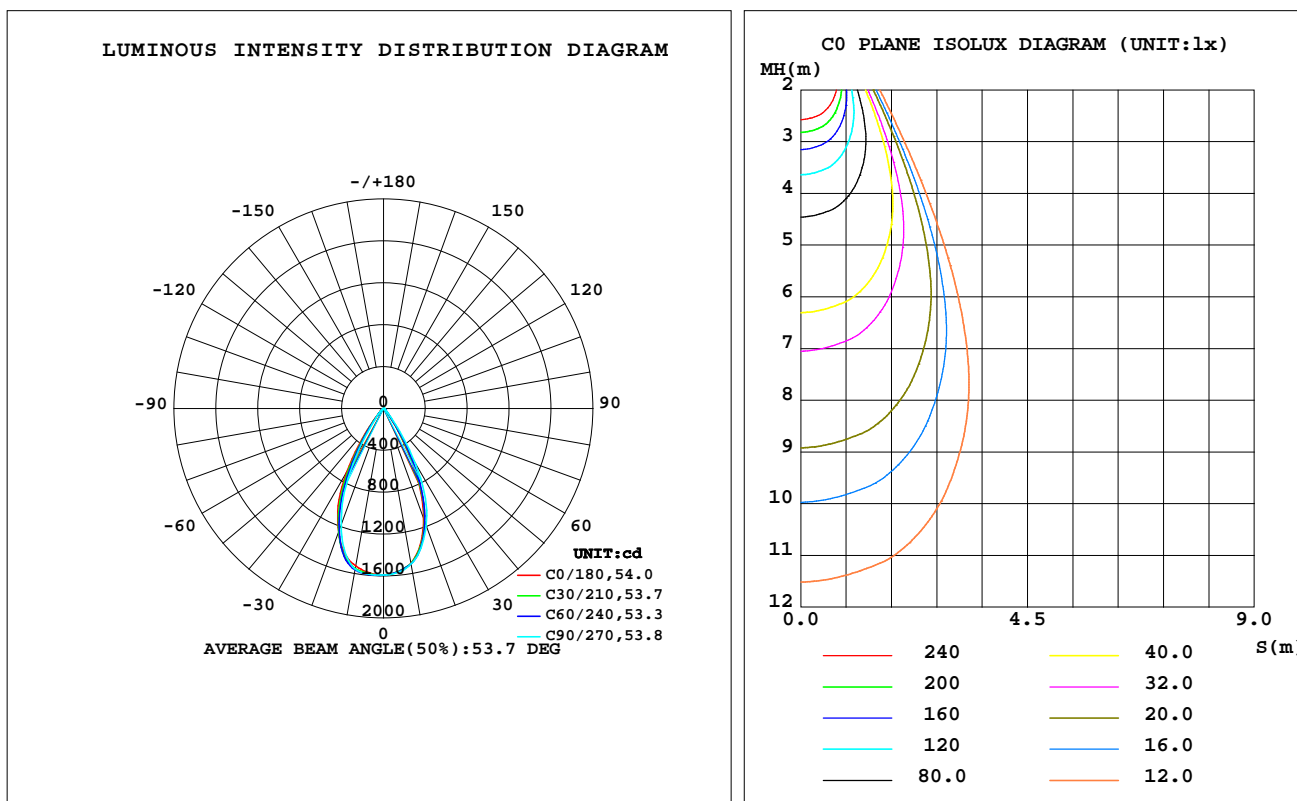
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: zoe
Test Date: 2026-3-3

Range: 0 - 180DEG
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: BXRE-30G1000-A-83 Ra: 90
LENS: PM-1109C 50R
DRIVER: RMY-20-500BS-350 350mA
30minutes warm-up

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.20V I:0.0810A P:15.257W PF:0.8495 Freq:49.99Hz Lamp Flux:1437.3x1 lm		
NAME: 2529.403	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2603030015
MFR.: RISE	SUR.: 0.002374625m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.32 lm/W			
MODEL	Bridgelux	Imax(cd)	1593	S/MH(C0/180)	0.85
NOMINAL POWER(W)	15	LOR(%)	82.1	S/MH(C90/270)	0.79
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1179.7	UP,DN(C0-180)	0.0,40.7
NOMINAL FLUX(lm)	1437.3	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,41.4
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	down(%)	82.1	CIBSE SHR MAX	0.85



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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	1503	1506	1509	1510	1528	1558	1557	1528	0- 10	148.8	148.8	12.6,10.4
20	1122	1150	1189	1226	1257	1247	1186	1137	10- 20	387.6	536.4	45.5,37.3
30	432.3	490.8	611.6	692.8	710.0	627.3	529.5	451.1	20- 30	408.1	944.6	80.1,65.7
40	75.47	83.64	107.5	136.7	147.6	124.9	95.50	78.67	30- 40	175.1	1120	94.9,77.9
50	21.27	23.29	28.09	33.34	36.12	33.46	27.56	22.97	40- 50	42.74	1162	98.5,80.9
60	4.055	4.955	6.439	8.683	9.499	8.284	6.139	4.525	50- 60	13.90	1176	99.7,81.8
70	0.5362	0.6315	0.8793	1.130	1.193	1.001	0.6732	0.5235	60- 70	2.789	1179	99.9,82
80	0.2044	0.2290	0.3024	0.3537	0.3681	0.3202	0.2542	0.2021	70- 80	0.5069	1180	100,82.1
90	0	0	0	0	0	0	0	0	80- 90	0.1568	1180	100,82.1
100	0	0	0	0	0	0	0	0	90-100	0	1180	100,82.1
110	0	0	0	0	0	0	0	0	100-110	0	1180	100,82.1
120	0	0	0	0	0	0	0	0	110-120	0	1180	100,82.1
130	0	0	0	0	0	0	0	0	120-130	0	1180	100,82.1
140	0	0	0	0	0	0	0	0	130-140	0	1180	100,82.1
150	0	0	0	0	0	0	0	0	140-150	0	1180	100,82.1
160	0	0	0	0	0	0	0	0	150-160	0	1180	100,82.1
170	0	0	0	0	0	0	0	0	160-170	0	1180	100,82.1
180	0	0	0	0	0	0	0	0	170-180	0	1180	100,82.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Operators:zoe
Test Date:2026-3-3

Range: 0 - 180DEG
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:BXRE-30G1000-A-83 Ra:90
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DRIVER:RMY-20-500BS-350 350mA
30minutes warm-up

LUMINANCE LIMITATION CURVES

Test:U:220.20V I:0.0810A P:15.257W PF:0.8495 Freq:49.99Hz
Lamp Flux:1437.3x1 lm

NAME: 2529.403

TYPE:

WEIGHT:

SPEC.: 3000K

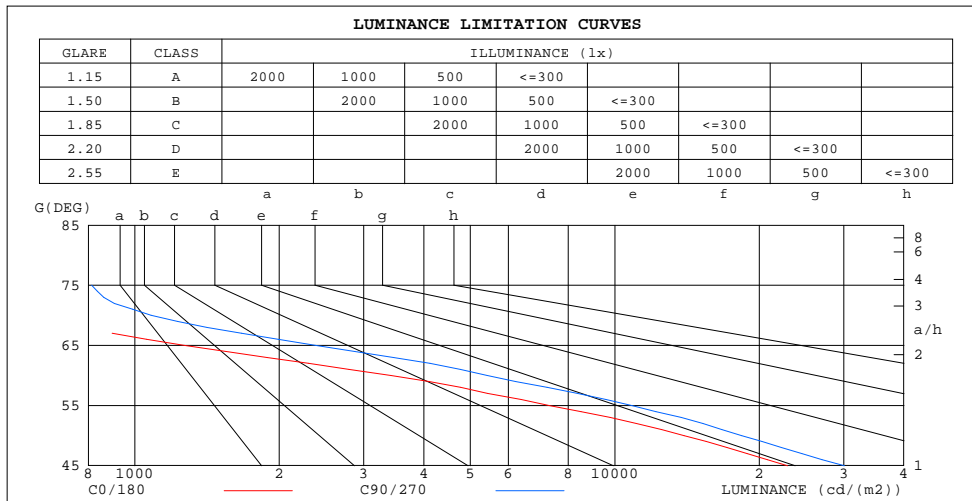
DIM.:

SERIAL No.: 2603030015

MFR.: RISE

SUR.: 0.002374625m²

Shielding Angle:



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Test Speed: HIGH
Temperature:25.3℃
Operators:zoe
Test Date:2026-3-3

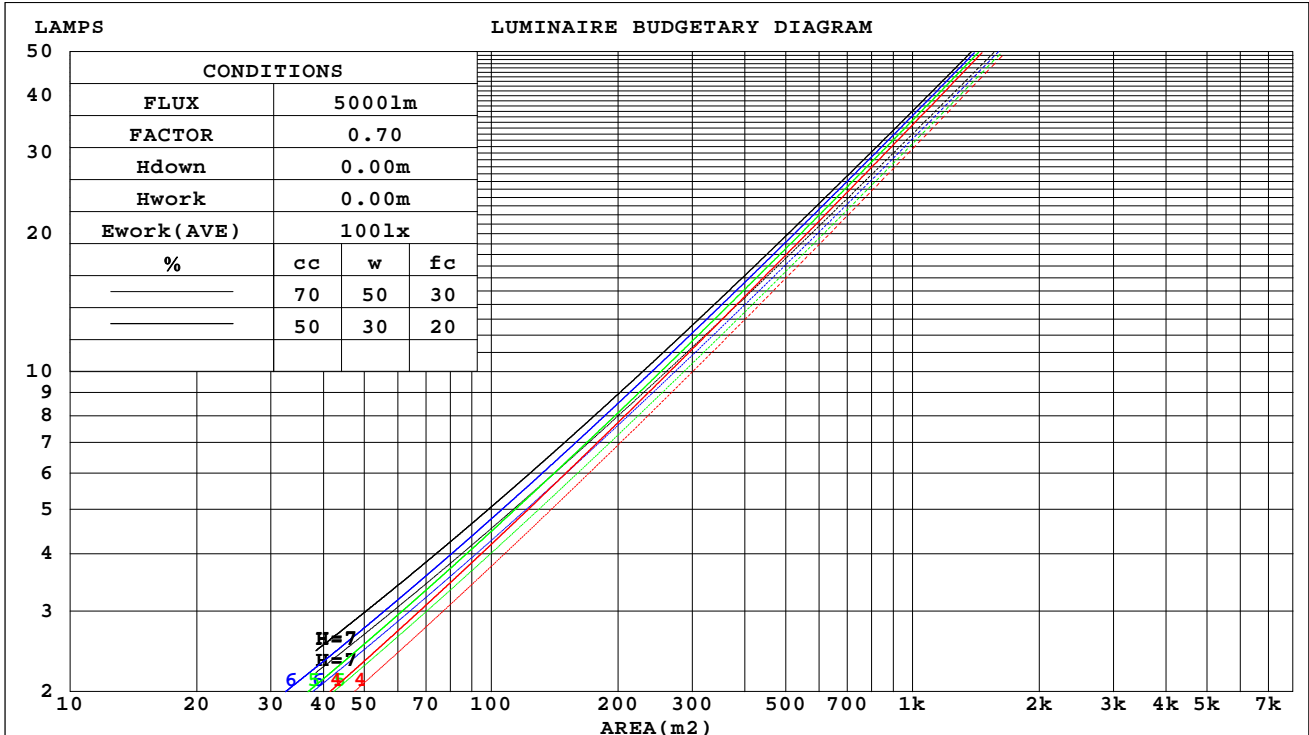
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.20V I:0.0810A P:15.257W PF:0.8495 Freq:49.99Hz
Lamp Flux:1437.3x1 lm

NAME: 2529.403	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2603030015
MFR.: RISE	SUR.: 0.002374625m2	Shielding Angle:

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



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WEC AND CCEC

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SPEC.: 3000K	DIM.:	SERIAL No.: 2603030015
MFR.: RISE	SUR.: 0.002374625m2	Shielding Angle:

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.139	.079	.025	.133	.076	.024	.123	.071	.023	.114	.066	.021	.105	.061	.020	
2.0	.132	.073	.022	.128	.070	.022	.119	.066	.021	.111	.062	.020	.104	.059	.019	
3.0	.126	.067	.020	.122	.065	.020	.115	.062	.019	.108	.059	.018	.102	.056	.017	
4.0	.120	.062	.018	.117	.061	.018	.110	.058	.017	.104	.056	.017	.099	.054	.016	
5.0	.114	.058	.017	.111	.057	.017	.106	.055	.016	.101	.053	.016	.096	.051	.015	
6.0	.109	.055	.016	.107	.054	.015	.102	.052	.015	.097	.051	.015	.093	.049	.015	
7.0	.104	.052	.015	.102	.051	.015	.098	.049	.014	.094	.048	.014	.090	.047	.014	
8.0	.100	.049	.014	.098	.048	.014	.094	.047	.013	.091	.046	.013	.087	.045	.013	
9.0	.096	.046	.013	.094	.046	.013	.091	.045	.013	.088	.044	.013	.085	.043	.012	
10.0	.092	.044	.012	.091	.044	.012	.087	.043	.012	.085	.042	.012	.082	.041	.012	

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.156	.156	.156	.134	.134	.134	.091	.091	.091	.052	.052	.052	.017	.017	.017	
1.0	.140	.129	.119	.120	.111	.103	.082	.076	.071	.047	.044	.041	.015	.014	.013	
2.0	.127	.109	.093	.109	.094	.081	.075	.065	.056	.043	.038	.033	.014	.012	.011	
3.0	.117	.093	.075	.100	.080	.065	.069	.056	.045	.040	.033	.027	.013	.011	.009	
4.0	.108	.081	.060	.093	.070	.053	.064	.049	.037	.037	.029	.022	.012	.009	.007	
5.0	.101	.071	.050	.086	.062	.043	.059	.043	.031	.034	.025	.018	.011	.008	.006	
6.0	.094	.064	.042	.081	.055	.036	.056	.039	.026	.032	.023	.015	.010	.007	.005	
7.0	.089	.057	.035	.077	.050	.031	.053	.035	.022	.031	.021	.013	.010	.007	.004	
8.0	.084	.052	.030	.073	.045	.026	.050	.032	.019	.029	.019	.011	.009	.006	.004	
9.0	.080	.048	.026	.069	.042	.023	.048	.029	.016	.028	.017	.010	.009	.006	.003	
10.0	.076	.044	.023	.066	.038	.020	.046	.027	.014	.027	.016	.008	.009	.005	.003	

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Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
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LENS:PM-1109C 50R
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30minutes warm-up

UGR(Unified Glare Rating) Table

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NAME: 2529.403					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2603030015		
MFR.: RISE					SUR.: 0.002374625m2			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	16.2	17.1	16.5	17.3	17.5	18.0	18.9	18.3	19.1	19.3
3H	16.1	16.9	16.3	17.1	17.3	17.9	18.7	18.1	18.9	19.1
4H	16.0	16.8	16.3	17.0	17.2	17.8	18.6	18.1	18.8	19.0
6H	15.9	16.6	16.2	16.9	17.1	17.7	18.4	18.0	18.7	18.9
8H	15.8	16.5	16.2	16.8	17.1	17.7	18.4	18.0	18.6	18.9
12H	15.8	16.5	16.1	16.7	17.0	17.6	18.3	17.9	18.5	18.8
4H 2H	16.0	16.8	16.3	17.0	17.2	17.8	18.6	18.1	18.8	19.0
3H	15.8	16.5	16.1	16.8	17.0	17.6	18.3	17.9	18.6	18.8
4H	15.7	16.3	16.1	16.6	16.9	17.5	18.1	17.9	18.4	18.7
6H	15.6	16.2	16.0	16.5	16.9	17.4	18.0	17.8	18.3	18.6
8H	15.6	16.1	16.0	16.4	16.8	17.4	17.9	17.8	18.2	18.6
12H	15.5	16.0	15.9	16.4	16.8	17.3	17.8	17.7	18.2	18.5
8H 4H	15.6	16.1	16.0	16.4	16.8	17.4	17.9	17.8	18.2	18.6
6H	15.5	15.9	15.9	16.3	16.7	17.3	17.7	17.7	18.1	18.5
8H	15.4	15.8	15.9	16.2	16.6	17.2	17.6	17.7	18.0	18.4
12H	15.4	15.7	15.8	16.1	16.6	17.2	17.5	17.6	17.9	18.4
12H 4H	15.5	16.0	15.9	16.4	16.8	17.3	17.8	17.7	18.2	18.5
6H	15.4	15.8	15.9	16.2	16.6	17.2	17.6	17.7	18.0	18.4
8H	15.4	15.7	15.8	16.1	16.6	17.2	17.5	17.6	17.9	18.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.1 / - 9.1					+ 4.5 / - 9.0				
1.5H	+ 4.7 / - 5.9					+ 6.4 / - 7.0				
2.0H	+ 4.9 / - 9.1					+ 5.5 / - 9.2				

CIE Pub.117, 1437 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.3)
Area: 0.00237463 m2

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Operators:zoe
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Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.461
Humidity:65.0%
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UTILIZATION FACTORS TABLE

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SPEC.: 3000K	DIM.:	SERIAL No.: 2603030015
MFR.: RISE	SUR.: 0.002374625m2	Shielding Angle:

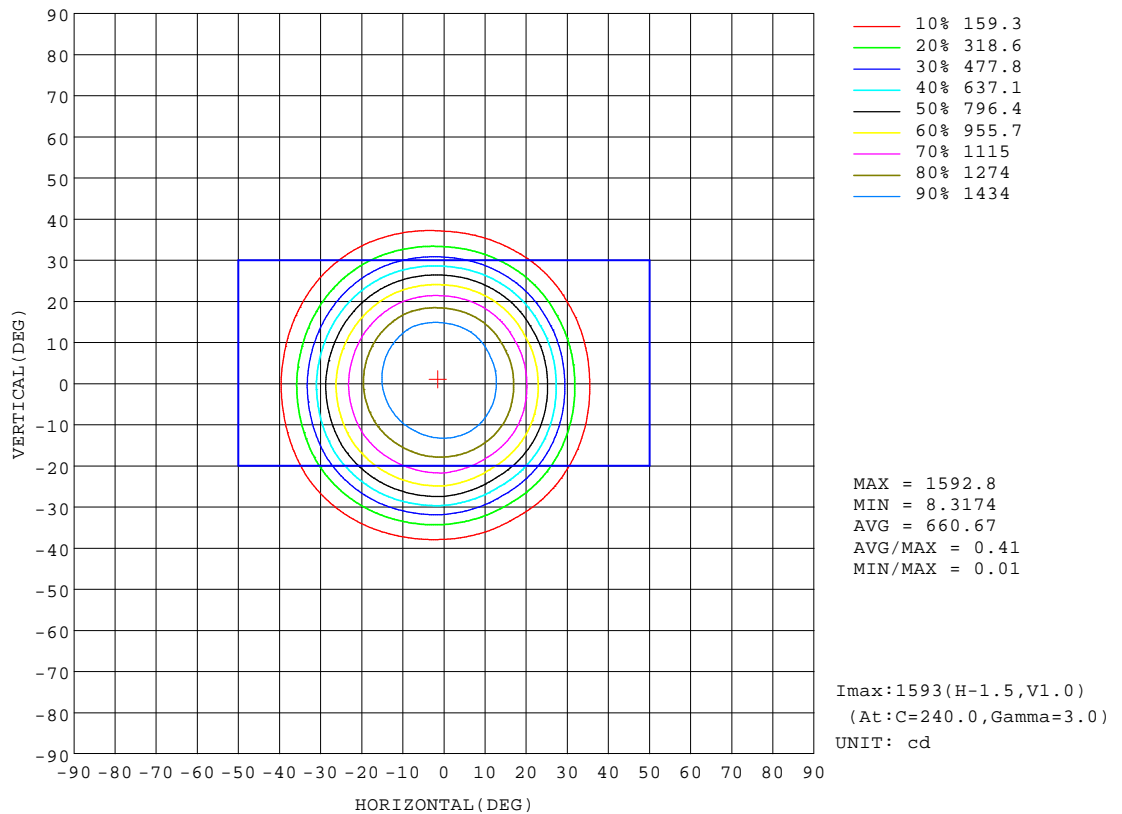
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	72	67	64	72	67	64	71	67	64	61
0.80	79	74	71	78	74	71	77	73	70	68
1.00	82	78	75	81	77	75	80	77	74	71
1.25	85	81	78	84	81	78	83	80	77	74
1.50	87	84	81	86	83	81	85	82	80	76
2.00	89	86	84	88	85	83	86	84	82	78
2.50	91	88	85	89	87	85	87	85	83	78
3.00	92	89	87	91	88	86	88	86	84	79
4.00	94	91	90	92	90	89	89	88	86	81
5.00	95	93	91	93	91	90	90	89	88	81
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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SPEC.: 3000K	DIM.:	SERIAL No.: 2603030015
MFR.: RISE	SUR.: 0.002374625m2	Shielding Angle:

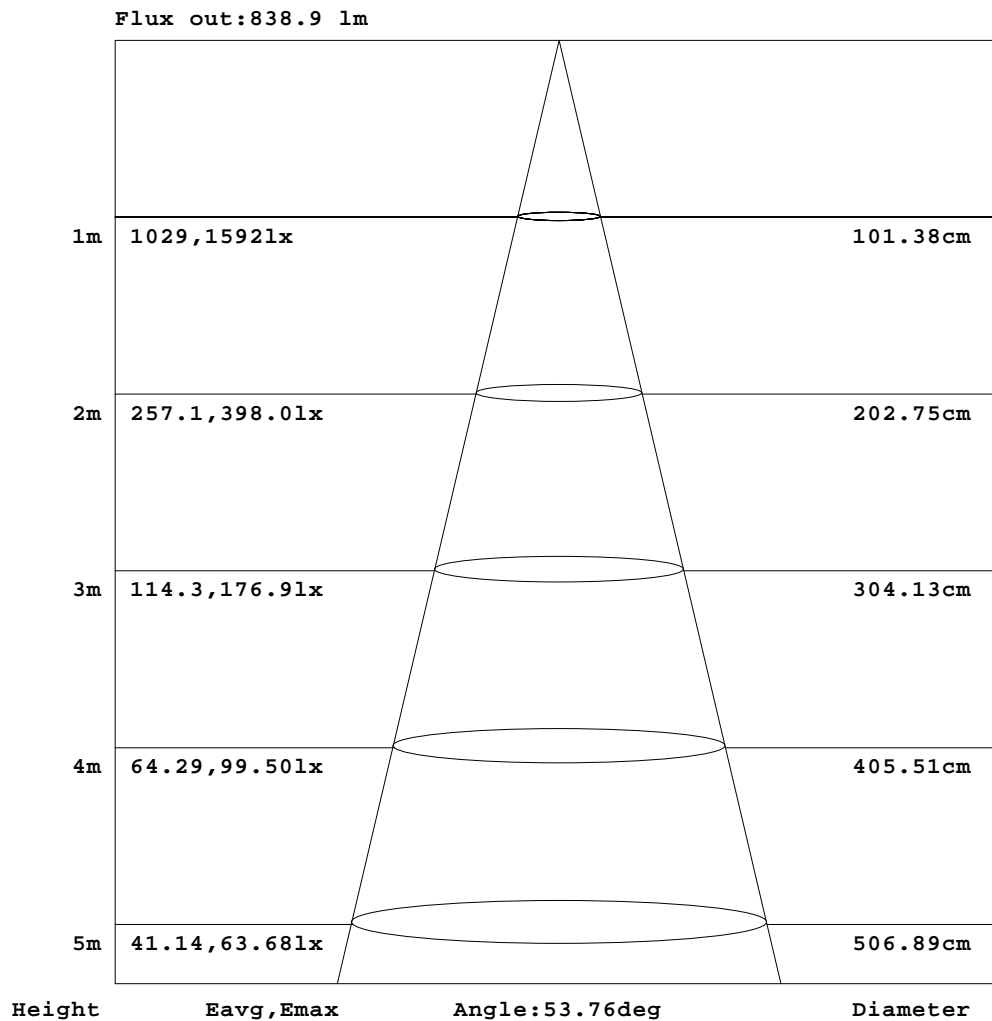


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AAI Figure

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SPEC.: 3000K	DIM.:	SERIAL No.: 2603030015
MFR.: RISE	SUR.: 0.002374625m2	Shielding Angle:



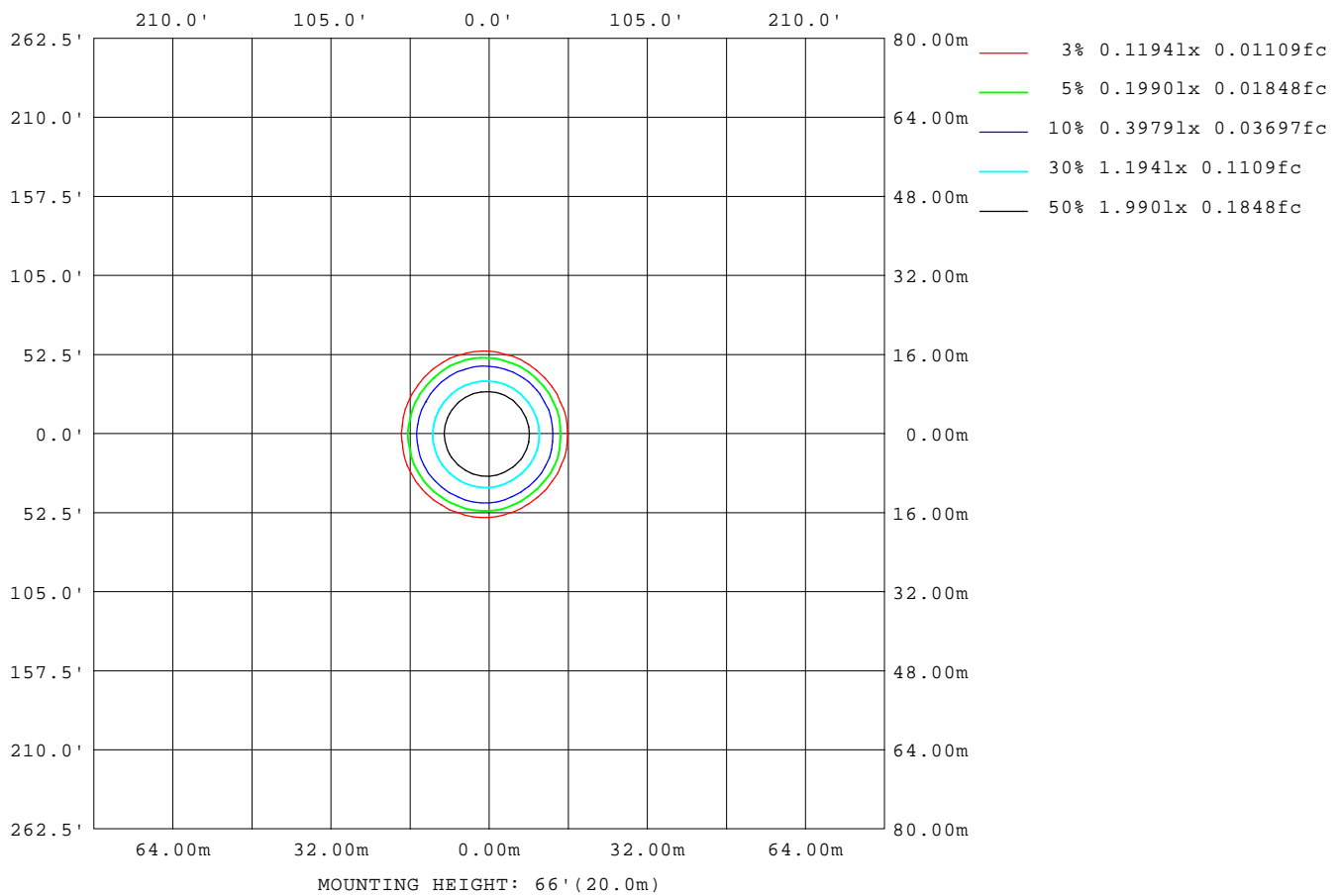
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

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SPEC.: 3000K	DIM.:	SERIAL No.: 2603030015
MFR.: RISE	SUR.: 0.002374625m2	Shielding Angle:



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Range: 0 - 180DEG
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LED Avg.L Report

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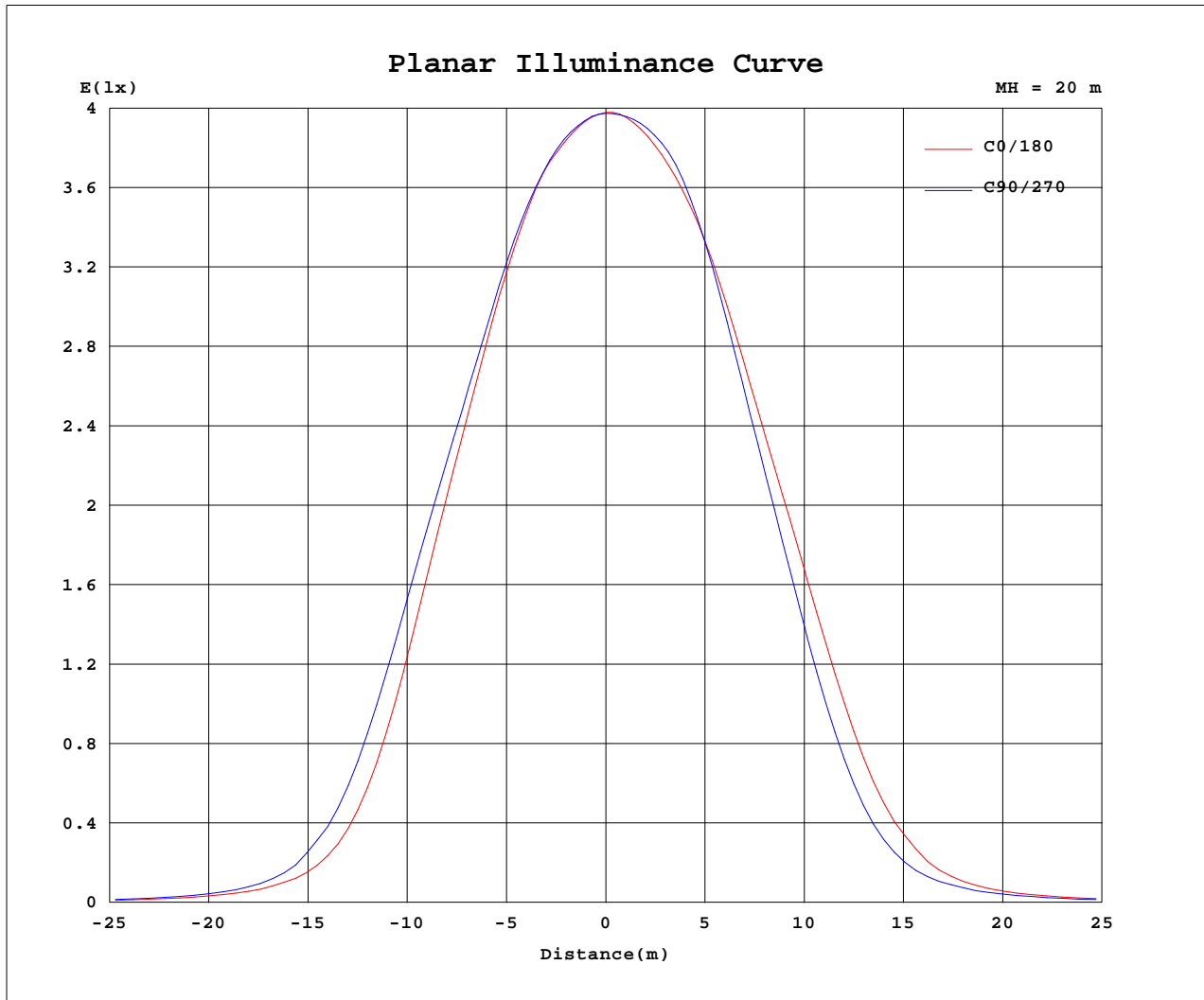
AvgL	cd/m2
L_0~180(65)av	2544
L_0~180(75)av	750
L_0~180(85)av	732
L_90~270(65)av	2209
L_90~270(75)av	738
L_90~270(85)av	677
L_45(65)av	2406
L_45(75)av	737
L_45(85)av	668

Standard: GB/T 29293-2012

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Temperature:25.3℃
Operators:zoe
Test Date:2026-3-3

Range: 0 - 180DEG
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:BXRE-30G1000-A-83 Ra:90
LENS:PM-1109C 50R
DRIVER:RMY-20-500BS-350 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: 2026-3-3

Range: 0 - 180DEG
 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: BXRE-30G1000-A-83 Ra: 90
 LENS: PM-1109C 50R
 DRIVER: RMY-20-500BS-350 350mA
 30minutes warm-up



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.20V I:0.0810A P:15.257W PF:0.8495 Freq:49.99Hz Lamp Flux:1437.3x1 lm		
NAME: 2529.403	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2603030015
MFR.: RISE	SUR.: 0.002374625m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590						
5	1564	1564	1567	1571	1570	1572	1575	1584	1591	1588	1579	1570						
10	1503	1505	1508	1509	1507	1514	1528	1552	1565	1557	1540	1515						
15	1355	1363	1376	1381	1390	1412	1434	1452	1461	1424	1398	1364						
20	1122	1146	1154	1189	1210	1242	1257	1255	1239	1186	1154	1120						
25	810	845	865	950	984	1022	1026	991	947	889	845	798						
30	432	472	510	612	672	713	710	654	601	529	474	428						
35	172	197	215	279	328	367	365	322	286	231	204	172						
40	75.5	78.2	89.1	107	128	145	148	132	118	95.5	81.6	75.7						
45	38.4	40.1	43.1	50.5	57.8	65.0	66.5	62.0	57.3	48.5	42.7	38.8						
50	21.3	22.5	24.0	28.1	31.4	35.3	36.1	34.5	32.4	27.6	24.2	21.7						
55	9.93	10.9	12.1	14.8	17.0	20.1	20.3	19.1	17.7	14.4	11.9	10.2						
60	4.06	4.63	5.28	6.44	8.11	9.26	9.50	8.98	7.58	6.14	4.94	4.11						
65	1.27	1.53	1.82	2.39	3.06	3.76	3.83	3.44	2.93	2.04	1.49	1.27						
70	0.54	0.58	0.68	0.88	1.09	1.17	1.19	1.09	0.91	0.67	0.54	0.51						
75	0.35	0.37	0.41	0.50	0.57	0.57	0.58	0.55	0.48	0.41	0.35	0.33						
80	0.20	0.21	0.24	0.30	0.35	0.36	0.37	0.34	0.30	0.25	0.21	0.19						
85	0.10	0.10	0.11	0.15	0.18	0.20	0.21	0.18	0.15	0.13	0.10	0.09						
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						

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C Interval: 30.0DEG
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