

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P757156

Luminaire Tested: LD6D02D010-EU6DR300210IC9030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D02D010-EU6DR300210IC9030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 268.8 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



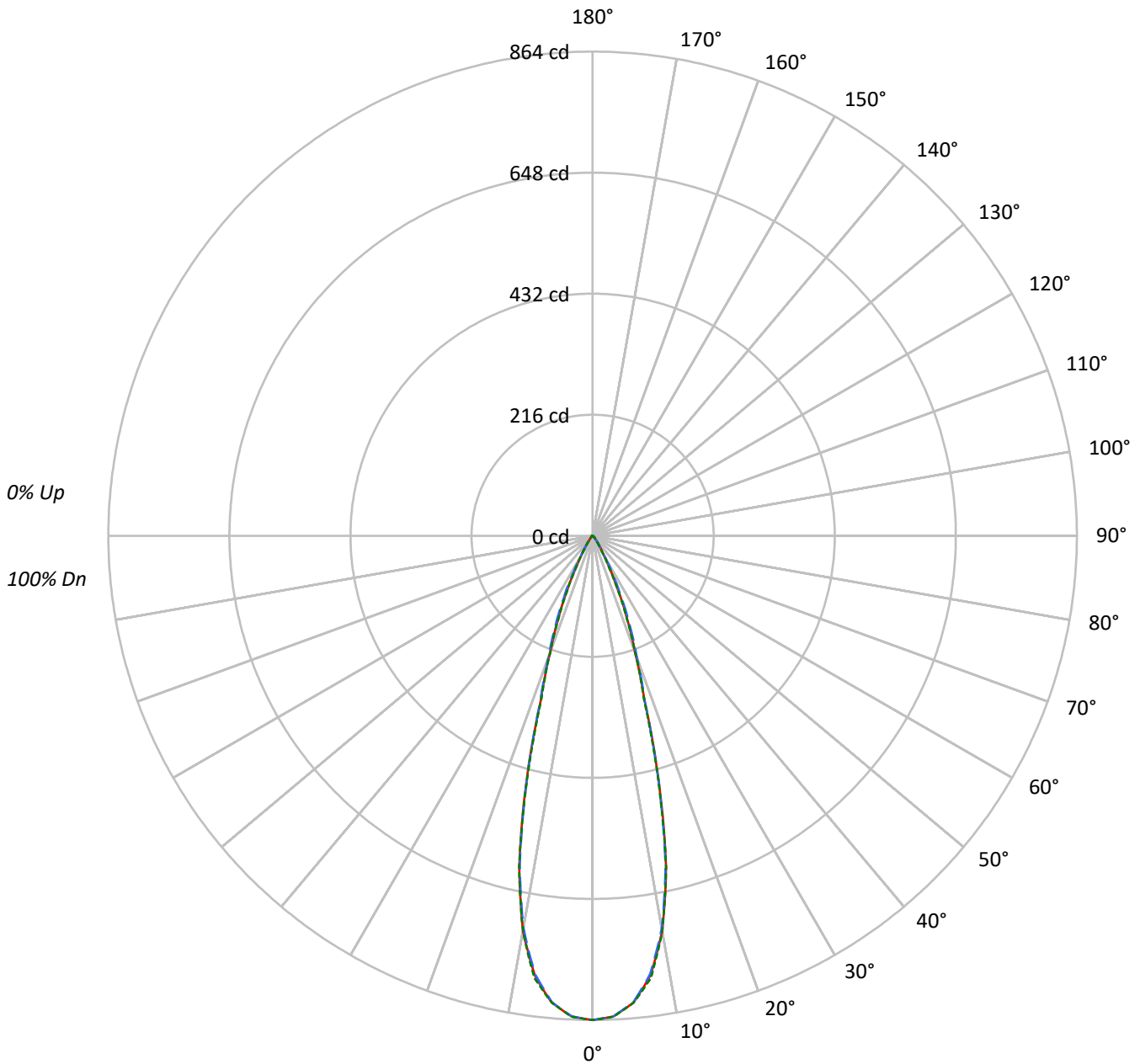
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	66149	66149	66149
5°	64258	64181	64258
10°	55651	55262	55643
15°	36309	36119	35937
20°	18059	18735	18034
25°	9096	10261	8910
30°	3641	3968	3173
35°	1682	1617	1355
40°	729	809	689
45°	520	639	520
50°	179	464	179
55°	93	187	107
60°	77	92	77
65°	36	36	36
70°	22	22	22
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 639 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	28.3
10°-20°	122.4	45.5
20°-30°	52.9	19.7
30°-40°	12.0	4.5
40°-50°	4.1	1.5
50°-60°	1.0	0.4
60°-70°	0.3	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	251.3	93.5
0°-40°	263.3	98.0
0°-60°	268.5	99.9
0°-90°	268.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	268.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	864	864	864	864	864	
5°	836	836	835	837	836	76
15°	458	453	456	454	454	123
25°	108	112	122	109	106	52
35°	18	18	17	17	14	12
45°	5	6	6	6	5	3
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	864.2	864.2	864.2	864.2	864.2
2.5°	858.5	857.9	858.3	858.7	858.9
5°	836.3	835.5	835.3	837.0	836.3
7.5°	791.3	790.2	788.4	792.4	796.1
10°	716.0	714.8	711.0	712.9	715.9
12.5°	604.9	600.8	600.7	606.6	605.8
15°	458.2	452.7	455.8	454.3	453.5
17.5°	308.1	306.0	310.1	308.9	303.5
20°	221.7	222.2	230.0	226.1	221.4
22.5°	161.7	163.7	173.0	162.9	159.2
25°	107.7	111.8	121.5	108.9	105.5
27.5°	66.2	68.1	77.9	65.4	63.5
30°	41.2	40.3	44.9	38.5	35.9
32.5°	27.0	25.8	27.3	24.5	22.4
35°	18.0	18.4	17.3	17.2	14.5
37.5°	11.3	13.0	11.5	12.2	9.3
40°	7.3	9.4	8.1	8.9	6.9
42.5°	6.0	7.3	6.6	7.1	6.1
45°	4.8	5.9	5.9	5.9	4.8
47.5°	2.6	4.0	5.0	4.0	2.8
50°	1.5	2.0	3.9	2.1	1.5
52.5°	1.0	1.1	2.7	1.2	1.1
55°	0.7	0.8	1.4	0.9	0.8
57.5°	0.6	0.6	0.7	0.6	0.6
60°	0.5	0.5	0.6	0.5	0.5
62.5°	0.3	0.3	0.4	0.3	0.3
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.1	0.2	0.2	0.2	0.2
70°	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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