

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: P760209

Luminaire Tested: LD6D10D010-EU6DR300210IC9035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760209
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: LD6D10D010-EU6DR300210IC9035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1184.2 lumens
Efficiency: N/A
Efficacy: 101.2 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): 11.7
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

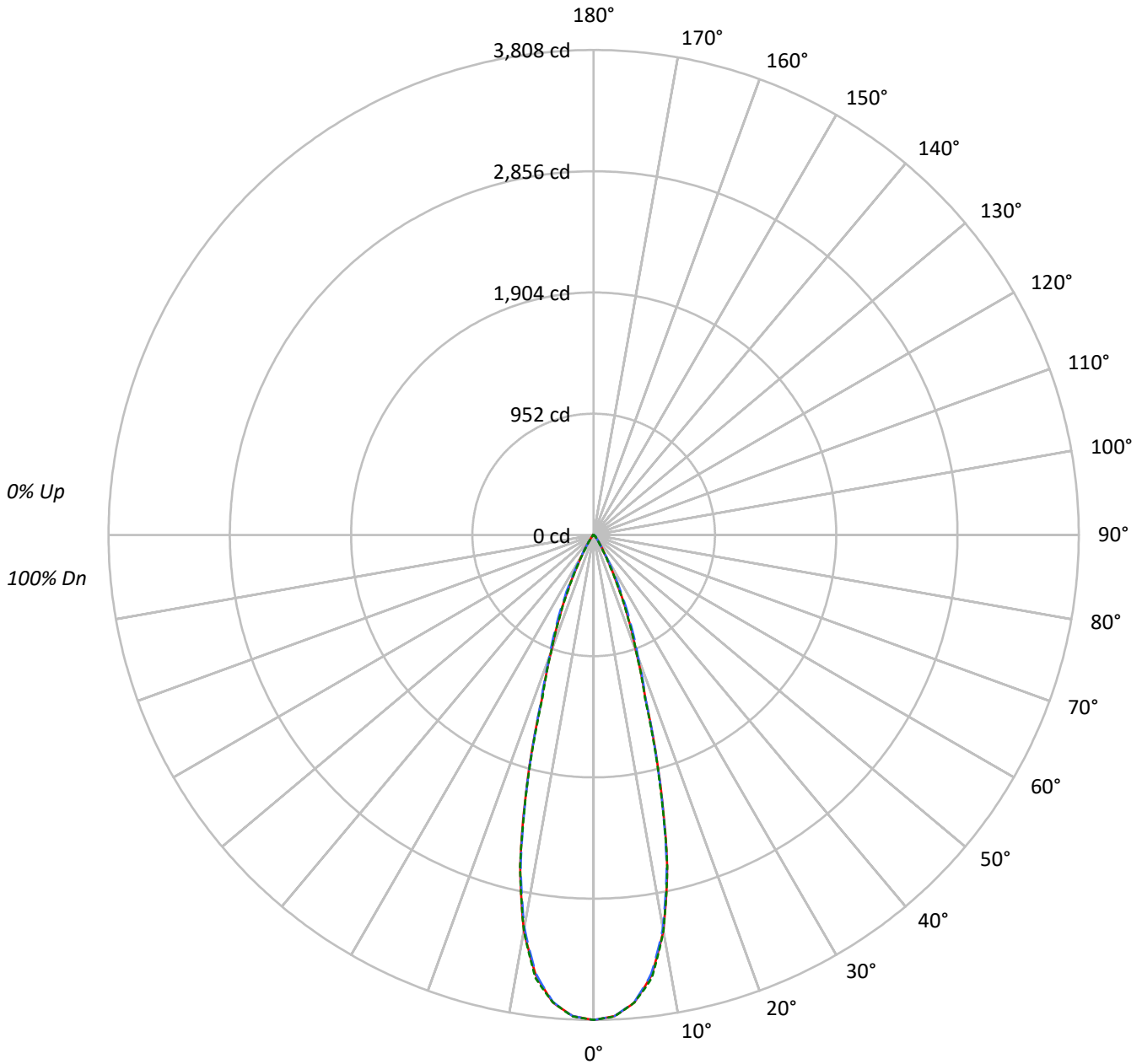


Downlight



TEST NUMBER: P760209
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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	291470	291470	291470
5°	283101	282771	283117
10°	245204	243479	245150
15°	159985	159129	158329
20°	79558	82539	79444
25°	40075	45193	39255
30°	16042	17482	13982
35°	7438	7130	5971
40°	3207	3567	3028
45°	2262	2814	2284
50°	774	2048	822
55°	454	854	480
60°	321	367	321
65°	199	199	199
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2814 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.8	28.3
10°-20°	539.3	45.5
20°-30°	233.0	19.7
30°-40°	53.1	4.5
40°-50°	18.2	1.5
50°-60°	4.5	0.4
60°-70°	1.1	0.1
70°-80°	0.1	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°	1107.2	93.5
0°-40°	1160.3	98.0
0°-60°	1183.0	99.9
0°-90°	1184.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1184.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3808	3808	3808	3808	3808	
5°	3684	3681	3680	3688	3685	335
15°	2019	1995	2008	2002	1998	541
25°	474	492	535	480	465	227
35°	80	81	76	76	64	54
45°	21	26	26	26	21	15
55°	3	4	6	4	4	3
65°	1	1	1	1	1	1
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°	3807.9	3807.9	3807.9	3807.9	3807.9
2.5°	3782.7	3780.0	3781.5	3783.4	3784.2
5°	3684.5	3681.0	3680.2	3687.9	3684.7
7.5°	3486.5	3481.5	3473.8	3491.2	3507.4
10°	3154.8	3149.2	3132.6	3140.9	3154.1
12.5°	2665.3	2647.1	2646.7	2672.9	2669.3
15°	2018.9	1994.6	2008.1	2001.5	1998.0
17.5°	1357.7	1348.3	1366.3	1360.8	1337.5
20°	976.7	979.1	1013.3	996.1	975.3
22.5°	712.7	721.5	762.0	717.7	701.5
25°	474.5	492.5	535.1	479.9	464.8
27.5°	291.9	300.1	343.3	288.1	279.9
30°	181.5	177.4	197.8	169.8	158.2
32.5°	119.1	113.8	120.4	108.1	98.7
35°	79.6	81.3	76.3	75.7	63.9
37.5°	49.7	57.2	50.5	53.9	41.1
40°	32.1	41.5	35.7	39.4	30.3
42.5°	26.4	32.0	29.3	31.2	26.9
45°	20.9	26.0	26.0	26.0	21.1
47.5°	11.6	17.4	22.2	17.8	12.3
50°	6.5	8.8	17.2	9.2	6.9
52.5°	4.5	5.0	11.8	5.2	4.7
55°	3.4	3.6	6.4	3.7	3.6
57.5°	2.6	2.8	3.4	2.8	2.6
60°	2.1	2.1	2.4	2.2	2.1
62.5°	1.5	1.5	1.7	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.6	0.7	0.7	0.7	0.7
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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