

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: P760190

Luminaire Tested: LD6D10D010-EU6DR300210IC9030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760190
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-EU6DR300210IC9030-6LBDP1B
Description: 6 INCH ROUND 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: 817.1 lumens
Efficiency: N/A
Efficacy: 69.8 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



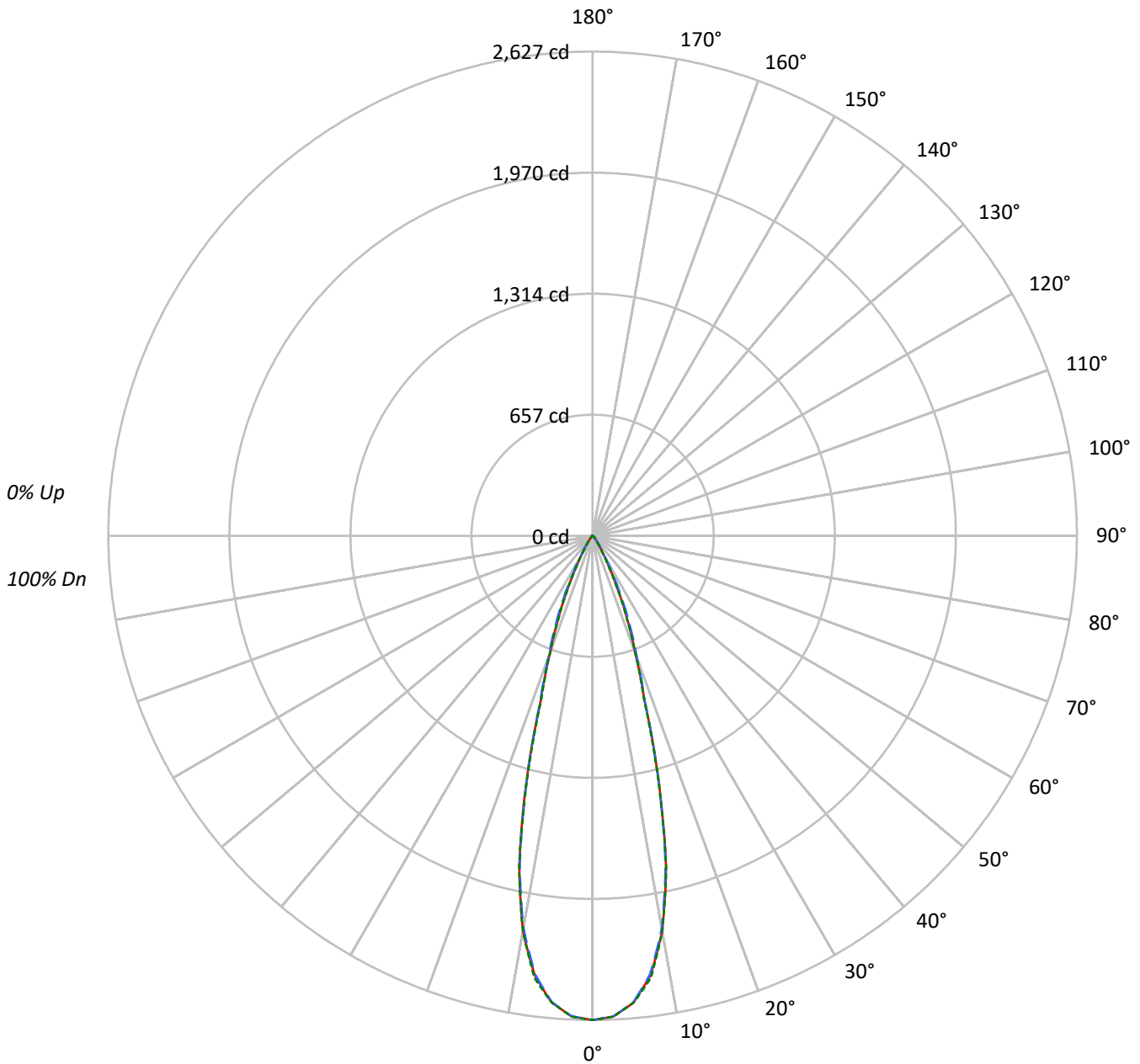
Downlight



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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°	201110	201110	201110
5°	195340	195109	195347
10°	169198	168001	169159
15°	110394	109800	109245
20°	54893	56954	54820
25°	27651	31181	27085
30°	11066	12065	9643
35°	5130	4924	4121
40°	2218	2458	2088
45°	1559	1938	1580
50°	536	1417	572
55°	307	587	334
60°	214	260	214
65°	145	145	145
70°	90	67	90
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1938 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.0	28.3
10°-20°	372.1	45.5
20°-30°	160.8	19.7
30°-40°	36.6	4.5
40°-50°	12.6	1.5
50°-60°	3.1	0.4
60°-70°	0.8	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°	763.9	93.5
0°-40°	800.6	98.0
0°-60°	816.2	99.9
0°-90°	817.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	817.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2627	2627	2627	2627	2627	
5°	2542	2540	2539	2545	2542	231
15°	1393	1376	1386	1381	1379	373
25°	327	340	369	331	321	157
35°	55	56	53	52	44	37
45°	14	18	18	18	15	10
55°	2	2	4	3	2	2
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°	2627.4	2627.4	2627.4	2627.4	2627.4
2.5°	2610.0	2608.2	2609.3	2610.5	2611.1
5°	2542.3	2539.8	2539.3	2544.6	2542.4
7.5°	2405.7	2402.2	2396.9	2408.9	2420.1
10°	2176.9	2173.0	2161.5	2167.2	2176.4
12.5°	1839.0	1826.5	1826.2	1844.3	1841.9
15°	1393.1	1376.3	1385.6	1381.0	1378.6
17.5°	936.8	930.4	942.7	939.0	922.9
20°	673.9	675.6	699.2	687.3	673.0
22.5°	491.8	497.8	525.8	495.2	484.0
25°	327.4	339.8	369.2	331.2	320.7
27.5°	201.4	207.1	236.9	198.8	193.1
30°	125.2	122.4	136.5	117.1	109.1
32.5°	82.2	78.6	83.1	74.5	68.1
35°	54.9	56.1	52.7	52.3	44.1
37.5°	34.3	39.5	34.8	37.1	28.4
40°	22.2	28.6	24.6	27.2	20.9
42.5°	18.2	22.1	20.2	21.5	18.6
45°	14.4	17.9	17.9	17.9	14.6
47.5°	8.0	12.0	15.4	12.3	8.5
50°	4.5	6.1	11.9	6.3	4.8
52.5°	3.1	3.5	8.1	3.6	3.2
55°	2.3	2.5	4.4	2.6	2.5
57.5°	1.8	1.9	2.3	1.9	1.8
60°	1.4	1.4	1.7	1.5	1.4
62.5°	1.0	1.0	1.1	1.0	1.0
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.4	0.5	0.5	0.5	0.5
70°	0.4	0.3	0.3	0.3	0.4
72.5°	0.3	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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