

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: P760222

Luminaire Tested: LD6D10D010-EU6DR300210IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760222
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-EU6DR300210IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1217.0 lumens
Efficiency: N/A
Efficacy: 104.0 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

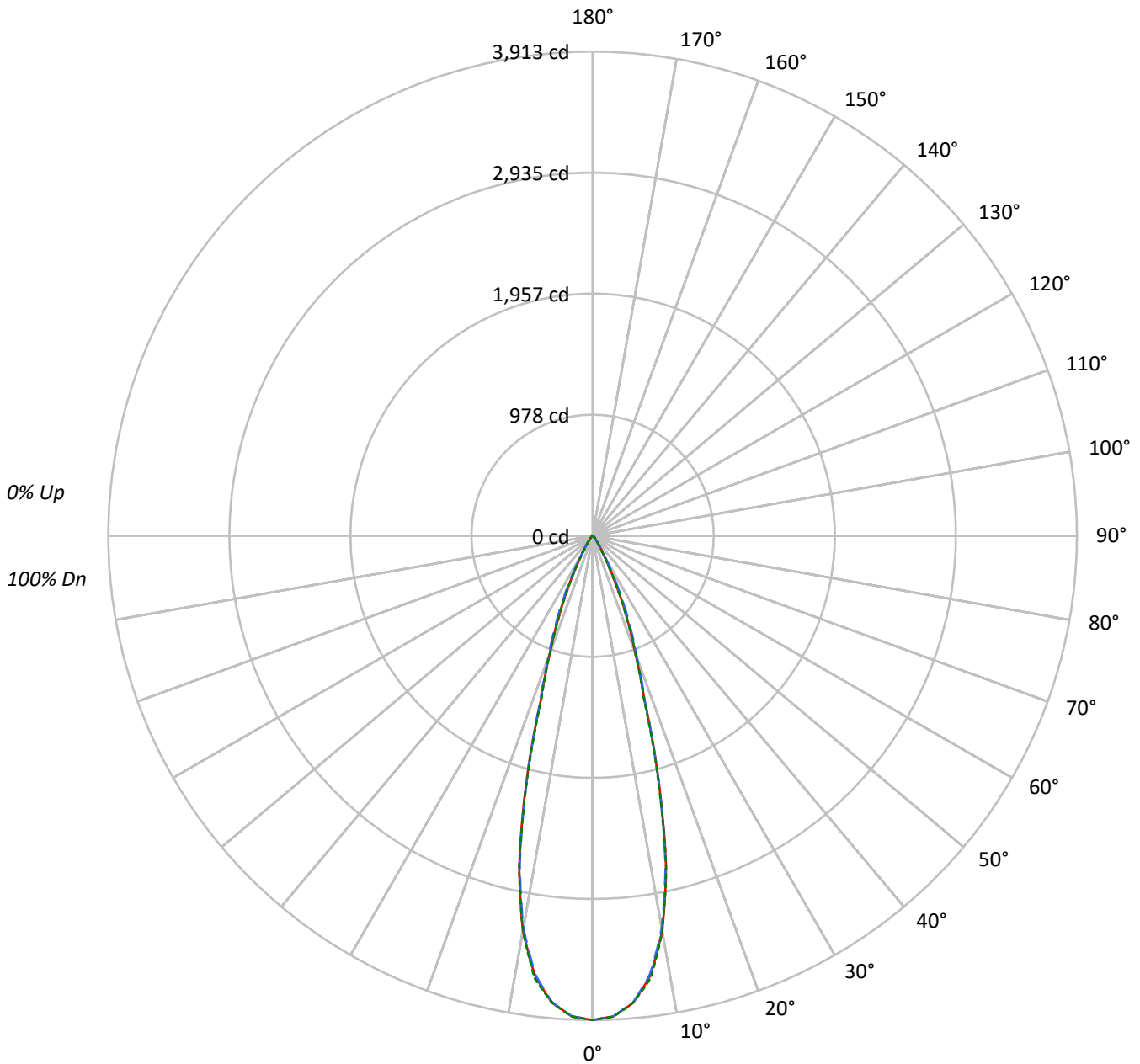


Downlight



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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					70					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								
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	87	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°	299530	299530	299530
5°	290931	290585	290946
10°	251990	250210	251927
15°	164415	163527	162703
20°	81749	84820	81643
25°	41181	46443	40336
30°	16493	17969	14363
35°	7644	7326	6139
40°	3307	3667	3108
45°	2327	2890	2349
50°	798	2096	845
55°	454	867	494
60°	321	383	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: 2890 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.1	28.3
10°-20°	554.2	45.5
20°-30°	239.5	19.7
30°-40°	54.6	4.5
40°-50°	18.7	1.5
50°-60°	4.6	0.4
60°-70°	1.2	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°	1137.8	93.5
0°-40°	1192.4	98.0
0°-60°	1215.7	99.9
0°-90°	1217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1217.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3913	3913	3913	3913	3913	
5°	3786	3783	3782	3790	3787	344
15°	2075	2050	2064	2057	2053	556
25°	488	506	550	493	478	233
35°	82	84	78	78	66	56
45°	22	27	27	27	22	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3913.2	3913.2	3913.2	3913.2	3913.2
2.5°	3887.2	3884.5	3886.1	3888.0	3888.8
5°	3786.4	3782.7	3781.9	3789.8	3786.6
7.5°	3582.9	3577.7	3569.8	3587.7	3604.4
10°	3242.1	3236.3	3219.2	3227.7	3241.3
12.5°	2738.9	2720.3	2719.9	2746.8	2743.2
15°	2074.8	2049.8	2063.6	2056.9	2053.2
17.5°	1395.2	1385.6	1404.0	1398.5	1374.5
20°	1003.6	1006.2	1041.3	1023.6	1002.3
22.5°	732.4	741.4	783.1	737.6	720.8
25°	487.6	506.0	549.9	493.2	477.6
27.5°	299.9	308.4	352.8	296.0	287.6
30°	186.6	182.3	203.3	174.5	162.5
32.5°	122.4	117.0	123.7	111.0	101.5
35°	81.8	83.6	78.4	77.8	65.7
37.5°	51.1	58.8	51.9	55.3	42.3
40°	33.1	42.6	36.7	40.6	31.1
42.5°	27.1	32.8	30.1	32.1	27.7
45°	21.5	26.7	26.7	26.7	21.7
47.5°	11.9	17.9	22.9	18.3	12.7
50°	6.7	9.1	17.6	9.4	7.1
52.5°	4.6	5.2	12.1	5.4	4.8
55°	3.4	3.7	6.5	3.8	3.7
57.5°	2.7	2.9	3.4	2.9	2.7
60°	2.1	2.1	2.5	2.3	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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