

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: P760176

Luminaire Tested: LD6D10D010-EU6DR300210IC9027-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760176
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-EU6DR300210IC9027-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 897.7 lumens
Efficiency: N/A
Efficacy: 76.7 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): 11.7
Input Voltage (V): NR
Input Current (Ain): 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



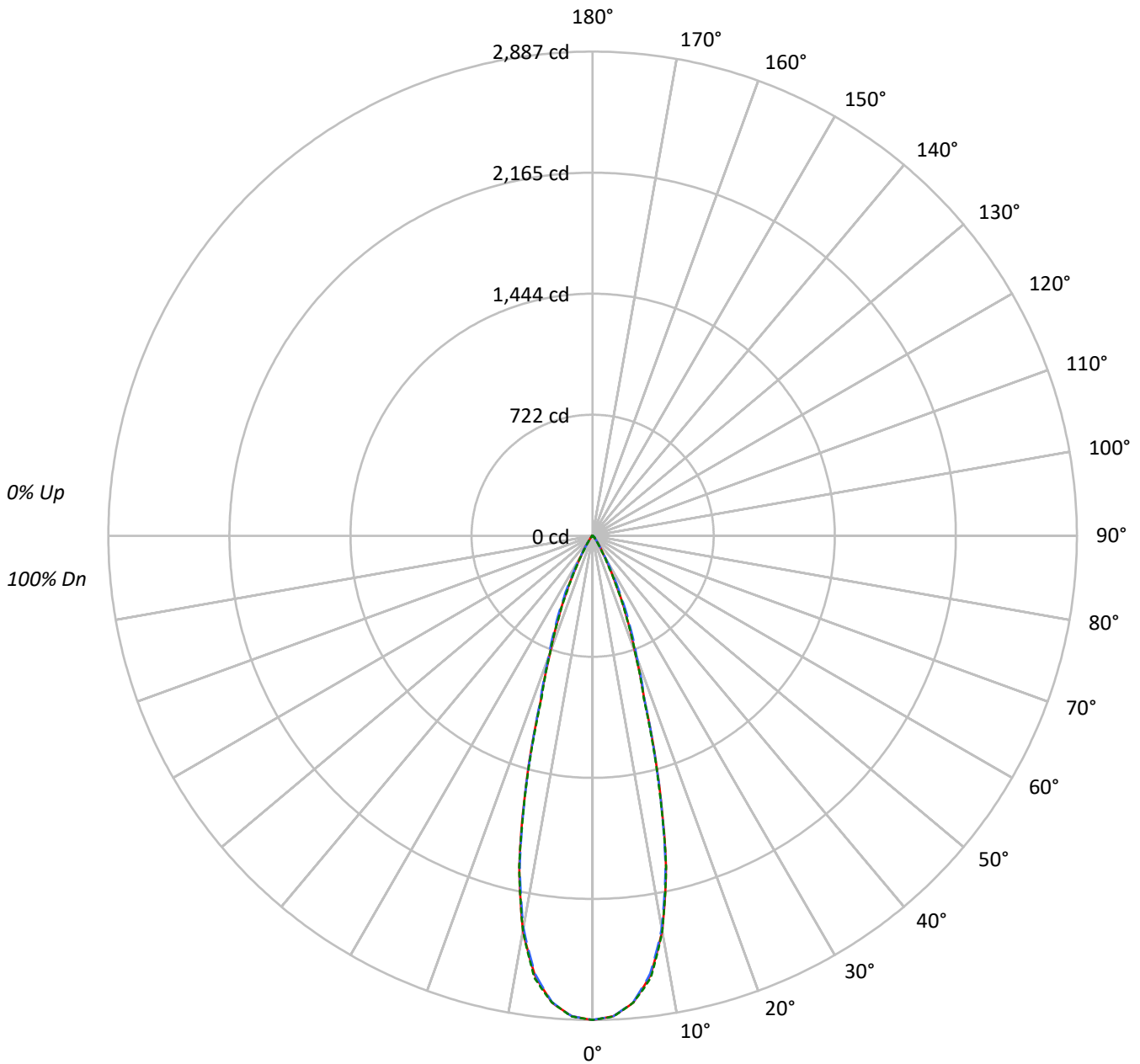
Downlight



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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°	220958	220958	220958
5°	214610	214364	214625
10°	185893	184579	185846
15°	121282	120632	120030
20°	60310	62574	60228
25°	30379	34255	29754
30°	12162	13249	10597
35°	5644	5401	4532
40°	2438	2698	2298
45°	1721	2132	1732
50°	595	1560	631
55°	347	641	360
60°	230	276	230
65°	163	163	163
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: 2132 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.8	28.3
10°-20°	408.8	45.5
20°-30°	176.7	19.7
30°-40°	40.3	4.5
40°-50°	13.8	1.5
50°-60°	3.4	0.4
60°-70°	0.9	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°	839.3	93.5
0°-40°	879.6	98.0
0°-60°	896.8	99.9
0°-90°	897.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	897.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2887	2887	2887	2887	2887	
5°	2793	2790	2790	2796	2793	254
15°	1530	1512	1522	1517	1515	410
25°	360	373	406	364	352	172
35°	60	62	58	57	48	41
45°	16	20	20	20	16	11
55°	3	3	5	3	3	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°	2886.7	2886.7	2886.7	2886.7	2886.7
2.5°	2867.6	2865.6	2866.7	2868.1	2868.7
5°	2793.1	2790.4	2789.9	2795.7	2793.3
7.5°	2643.1	2639.2	2633.5	2646.6	2659.0
10°	2391.7	2387.4	2374.8	2381.0	2391.1
12.5°	2020.5	2006.7	2006.4	2026.3	2023.6
15°	1530.5	1512.1	1522.3	1517.3	1514.7
17.5°	1029.2	1022.1	1035.7	1031.7	1013.9
20°	740.4	742.2	768.2	755.1	739.4
22.5°	540.3	546.9	577.7	544.1	531.8
25°	359.7	373.3	405.6	363.8	352.3
27.5°	221.2	227.5	260.2	218.4	212.2
30°	137.6	134.5	149.9	128.7	119.9
32.5°	90.3	86.3	91.3	81.9	74.8
35°	60.4	61.6	57.8	57.4	48.5
37.5°	37.7	43.4	38.3	40.8	31.2
40°	24.4	31.5	27.0	29.9	23.0
42.5°	20.0	24.2	22.2	23.7	20.4
45°	15.9	19.7	19.7	19.7	16.0
47.5°	8.8	13.2	16.8	13.5	9.3
50°	5.0	6.6	13.1	6.9	5.3
52.5°	3.4	3.8	8.9	4.0	3.6
55°	2.6	2.7	4.8	2.8	2.7
57.5°	2.0	2.1	2.6	2.1	2.0
60°	1.5	1.5	1.8	1.7	1.5
62.5°	1.1	1.1	1.3	1.1	1.1
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.4	0.6	0.6	0.6	0.6
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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