

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: P761230

Luminaire Tested: LD6D15D010-EU6DR300215IC9050-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761230
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: LD6D15D010-EU6DR300215IC9050-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1335.2 lumens
Efficiency: N/A
Efficacy: 84.5 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): 15.8
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



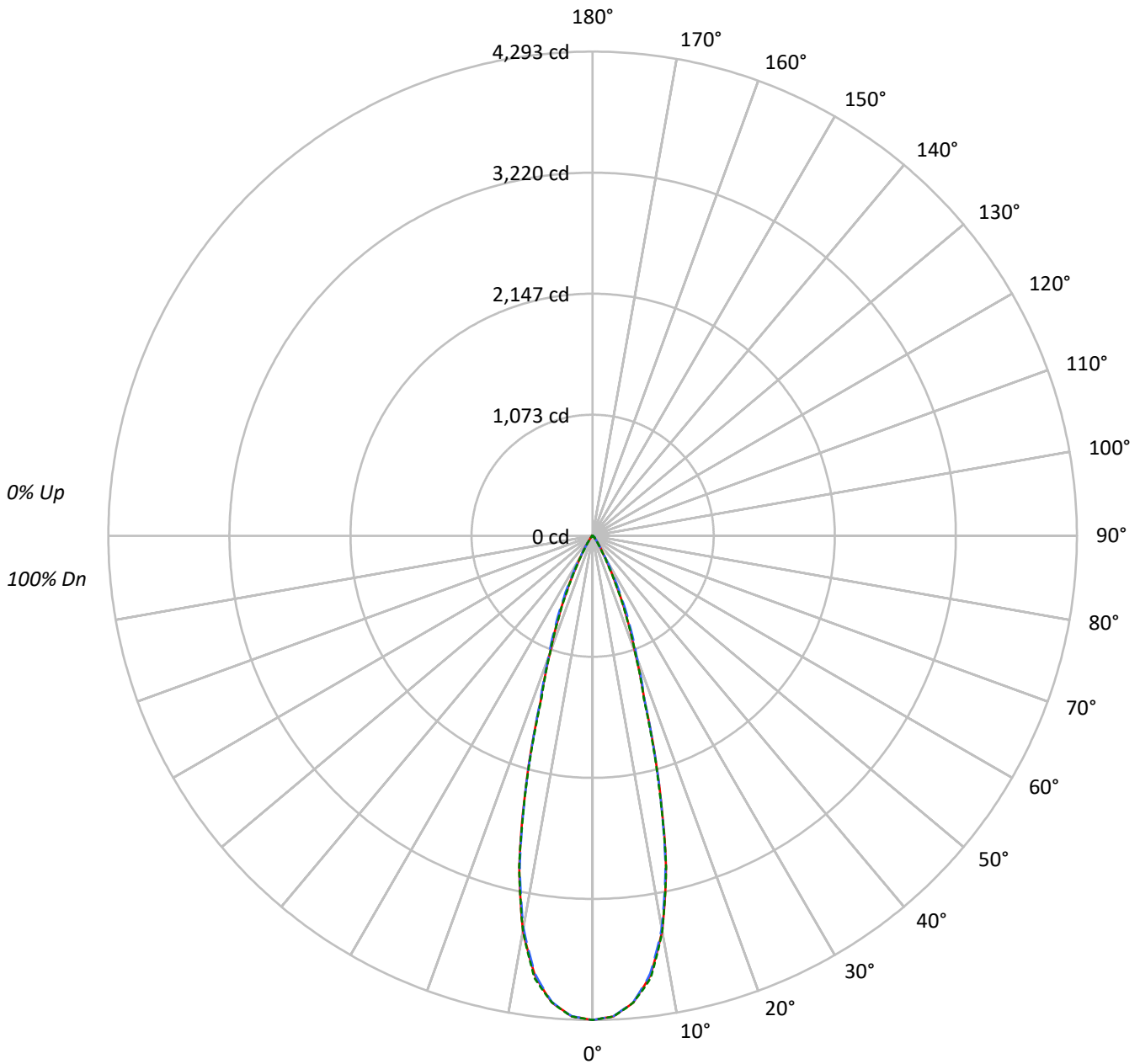
Downlight



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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					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	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°	328616	328616	328616
5°	319184	318815	319199
10°	276457	274506	276395
15°	180374	179407	178504
20°	89691	93063	89577
25°	45184	50952	44255
30°	18092	19710	15759
35°	8391	8036	6737
40°	3627	4027	3407
45°	2555	3172	2576
50°	881	2310	929
55°	507	961	534
60°	352	429	352
65°	235	235	235
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: 3172 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.5	28.3
10°-20°	608.0	45.5
20°-30°	262.7	19.7
30°-40°	59.9	4.5
40°-50°	20.6	1.5
50°-60°	5.0	0.4
60°-70°	1.3	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°	1248.3	93.5
0°-40°	1308.1	98.0
0°-60°	1333.7	99.9
0°-90°	1335.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1335.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4293	4293	4293	4293	4293	
5°	4154	4150	4149	4158	4154	378
15°	2276	2249	2264	2257	2253	609
25°	535	555	603	541	524	256
35°	90	92	86	85	72	61
45°	24	29	29	29	24	17
55°	4	4	7	4	4	4
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°	4293.2	4293.2	4293.2	4293.2	4293.2
2.5°	4264.8	4261.8	4263.5	4265.6	4266.4
5°	4154.1	4150.1	4149.3	4157.8	4154.3
7.5°	3930.8	3925.2	3916.5	3936.1	3954.4
10°	3556.9	3550.6	3531.8	3541.1	3556.1
12.5°	3004.9	2984.4	2984.0	3013.5	3009.5
15°	2276.2	2248.8	2264.0	2256.6	2252.6
17.5°	1530.7	1520.2	1540.4	1534.3	1507.9
20°	1101.1	1103.8	1142.5	1123.0	1099.7
22.5°	803.5	813.4	859.1	809.2	790.8
25°	535.0	555.2	603.3	541.1	524.0
27.5°	329.0	338.3	387.0	324.8	315.5
30°	204.7	200.0	223.0	191.4	178.3
32.5°	134.2	128.3	135.7	121.8	111.3
35°	89.8	91.7	86.0	85.4	72.1
37.5°	56.1	64.5	56.9	60.7	46.4
40°	36.3	46.8	40.3	44.5	34.1
42.5°	29.7	36.0	33.1	35.2	30.4
45°	23.6	29.3	29.3	29.3	23.8
47.5°	13.1	19.6	25.1	20.0	13.9
50°	7.4	9.9	19.4	10.3	7.8
52.5°	5.0	5.7	13.3	5.9	5.3
55°	3.8	4.0	7.2	4.2	4.0
57.5°	3.0	3.2	3.8	3.2	3.0
60°	2.3	2.3	2.8	2.5	2.3
62.5°	1.7	1.7	1.9	1.7	1.7
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.6	0.9	0.9	0.9	0.9
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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