

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: P761229

Luminaire Tested: LD6D15D010-EU6DR300215IC9040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761229
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-EU6DR300215IC9040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1243.9 lumens
Efficiency: N/A
Efficacy: 78.7 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): 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



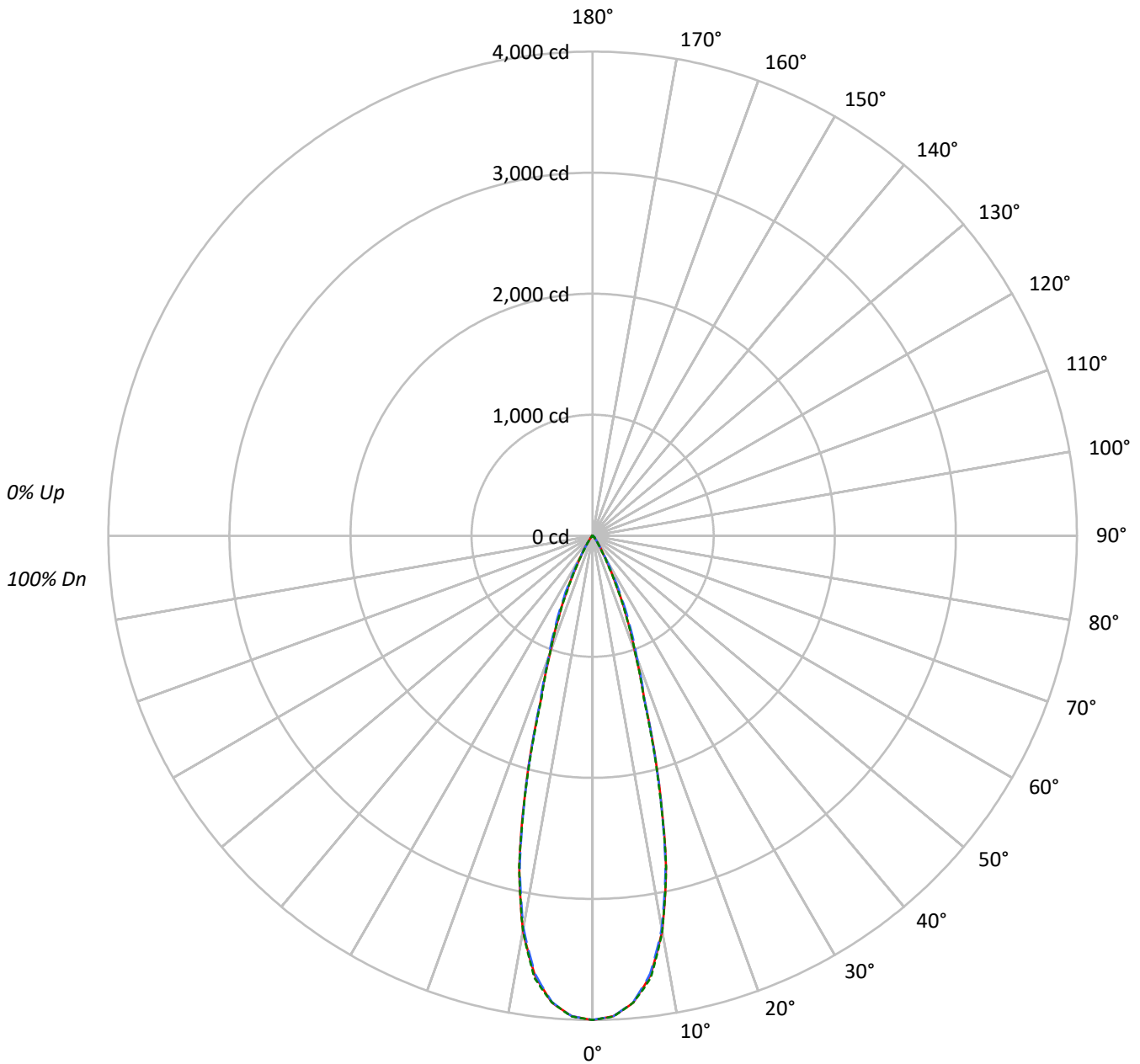
Downlight



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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									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°	306158	306158	306158
5°	297370	297016	297378
10°	257562	255751	257500
15°	168052	167148	166308
20°	83565	86702	83451
25°	42093	47464	41232
30°	16855	18366	14690
35°	7821	7485	6270
40°	3377	3747	3177
45°	2381	2955	2403
50°	822	2143	869
55°	480	894	494
60°	337	398	337
65°	217	217	217
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: 2955 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.7	28.3
10°-20°	566.5	45.5
20°-30°	244.8	19.7
30°-40°	55.8	4.5
40°-50°	19.2	1.5
50°-60°	4.7	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°	1163.0	93.5
0°-40°	1218.7	98.0
0°-60°	1242.6	99.9
0°-90°	1243.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1243.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4000	4000	4000	4000	4000	
5°	3870	3866	3866	3874	3870	352
15°	2121	2095	2109	2102	2099	568
25°	498	517	562	504	488	239
35°	84	85	80	80	67	57
45°	22	27	27	27	22	16
55°	4	4	7	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°	3999.8	3999.8	3999.8	3999.8	3999.8
2.5°	3973.2	3970.5	3972.1	3974.0	3974.8
5°	3870.2	3866.4	3865.6	3873.7	3870.3
7.5°	3662.2	3656.9	3648.8	3667.1	3684.2
10°	3313.8	3307.9	3290.5	3299.1	3313.0
12.5°	2799.6	2780.5	2780.1	2807.6	2803.8
15°	2120.7	2095.1	2109.3	2102.4	2098.7
17.5°	1426.1	1416.3	1435.1	1429.4	1404.9
20°	1025.9	1028.4	1064.4	1046.3	1024.5
22.5°	748.6	757.8	800.4	753.9	736.8
25°	498.4	517.3	562.0	504.1	488.2
27.5°	306.5	315.2	360.6	302.6	294.0
30°	190.7	186.4	207.8	178.3	166.2
32.5°	125.1	119.6	126.5	113.5	103.7
35°	83.7	85.4	80.1	79.5	67.1
37.5°	52.3	60.1	53.0	56.6	43.2
40°	33.8	43.6	37.5	41.4	31.8
42.5°	27.7	33.6	30.8	32.8	28.3
45°	22.0	27.3	27.3	27.3	22.2
47.5°	12.2	18.3	23.4	18.7	12.9
50°	6.9	9.2	18.0	9.6	7.3
52.5°	4.7	5.3	12.4	5.5	4.9
55°	3.6	3.7	6.7	4.0	3.7
57.5°	2.8	2.9	3.6	2.9	2.8
60°	2.2	2.2	2.6	2.3	2.2
62.5°	1.5	1.5	1.8	1.5	1.5
65°	1.2	1.2	1.2	1.2	1.2
67.5°	0.6	0.8	0.8	0.8	0.8
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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