

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: P760231

Luminaire Tested: LD6D10D010-EU6DR300210IC9050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760231
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-EU6DR300210IC9050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1142.5 lumens
Efficiency: N/A
Efficacy: 97.6 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



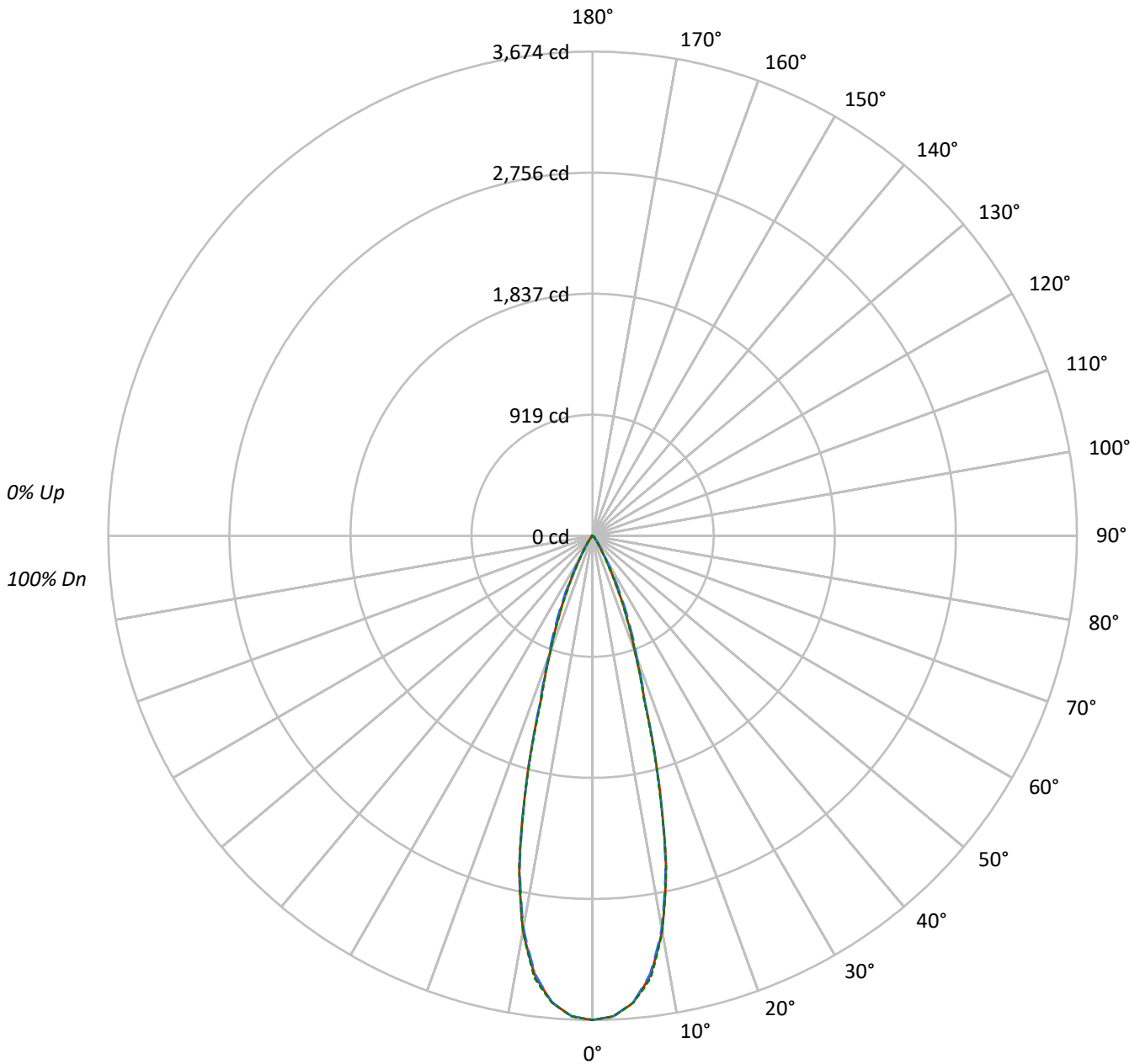
Downlight



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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	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°	281197	281197	281197
5°	273120	272805	273136
10°	236569	234898	236507
15°	154343	153519	152750
20°	76748	79631	76650
25°	38664	43596	37870
30°	15485	16864	13488
35°	7176	6877	5765
40°	3098	3437	2918
45°	2187	2717	2208
50°	750	1977	786
55°	440	814	454
60°	306	352	306
65°	199	199	199
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2717 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.0	28.3
10°-20°	520.3	45.5
20°-30°	224.8	19.7
30°-40°	51.2	4.5
40°-50°	17.6	1.5
50°-60°	4.3	0.4
60°-70°	1.1	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°	1068.1	93.5
0°-40°	1119.4	98.0
0°-60°	1141.2	99.9
0°-90°	1142.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1142.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3674	3674	3674	3674	3674	
5°	3555	3551	3550	3558	3555	323
15°	1948	1924	1937	1931	1928	522
25°	458	475	516	463	448	219
35°	77	78	74	73	62	52
45°	20	25	25	25	20	14
55°	3	3	6	4	3	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°	3673.7	3673.7	3673.7	3673.7	3673.7
2.5°	3649.4	3646.8	3648.3	3650.0	3650.8
5°	3554.6	3551.2	3550.5	3557.9	3554.8
7.5°	3363.6	3358.8	3351.4	3368.1	3383.8
10°	3043.7	3038.2	3022.2	3030.2	3042.9
12.5°	2571.3	2553.8	2553.4	2578.7	2575.2
15°	1947.7	1924.3	1937.3	1931.0	1927.6
17.5°	1309.8	1300.8	1318.1	1312.9	1290.3
20°	942.2	944.6	977.6	961.0	941.0
22.5°	687.5	696.0	735.2	692.4	676.7
25°	457.8	475.1	516.2	463.0	448.4
27.5°	281.5	289.5	331.2	277.9	270.0
30°	175.2	171.1	190.8	163.7	152.6
32.5°	114.9	109.8	116.1	104.3	95.2
35°	76.8	78.4	73.6	73.1	61.7
37.5°	48.0	55.2	48.7	52.0	39.7
40°	31.0	40.0	34.4	38.0	29.2
42.5°	25.4	30.8	28.3	30.1	26.0
45°	20.2	25.1	25.1	25.1	20.4
47.5°	11.2	16.8	21.5	17.1	11.9
50°	6.3	8.5	16.6	8.8	6.6
52.5°	4.4	4.9	11.3	5.0	4.5
55°	3.3	3.4	6.1	3.6	3.4
57.5°	2.5	2.7	3.3	2.7	2.5
60°	2.0	2.0	2.3	2.2	2.0
62.5°	1.4	1.4	1.6	1.4	1.4
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	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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