

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: P760216

Luminaire Tested: LD6D10D010-EU6DR300210IC9040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760216
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-EU6DR300210IC9040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 886.5 lumens
Efficiency: N/A
Efficacy: 75.8 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

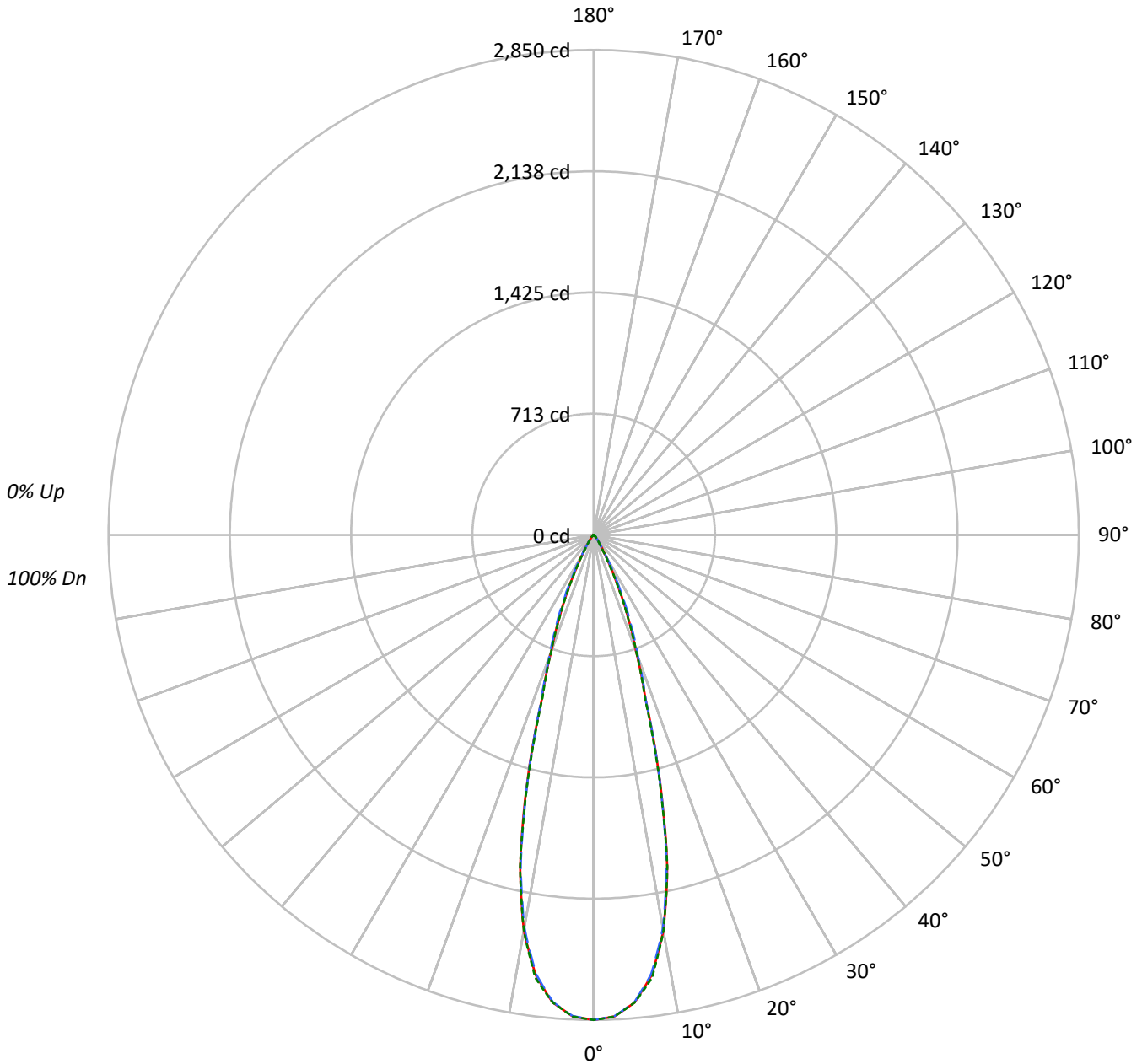


Downlight



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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	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°	218179	218179	218179
5°	211921	211675	211928
10°	183553	182255	183507
15°	119761	119111	118517
20°	59552	61784	59471
25°	29999	33825	29382
30°	12011	13090	10465
35°	5569	5336	4467
40°	2408	2678	2268
45°	1700	2111	1710
50°	583	1536	619
55°	334	641	347
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: 2111 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.7	28.3
10°-20°	403.7	45.5
20°-30°	174.4	19.7
30°-40°	39.8	4.5
40°-50°	13.7	1.5
50°-60°	3.3	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°	828.8	93.5
0°-40°	868.5	98.0
0°-60°	885.5	99.9
0°-90°	886.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	886.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2850	2850	2850	2850	2850	
5°	2758	2755	2755	2761	2758	251
15°	1511	1493	1503	1498	1496	405
25°	355	369	400	359	348	170
35°	60	61	57	57	48	40
45°	16	20	20	20	16	11
55°	2	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°	2850.4	2850.4	2850.4	2850.4	2850.4
2.5°	2831.5	2829.6	2830.7	2832.1	2832.7
5°	2758.1	2755.4	2754.9	2760.6	2758.2
7.5°	2609.8	2606.1	2600.3	2613.3	2625.5
10°	2361.6	2357.4	2344.9	2351.1	2361.0
12.5°	1995.1	1981.5	1981.2	2000.8	1998.2
15°	1511.3	1493.1	1503.1	1498.3	1495.6
17.5°	1016.3	1009.3	1022.7	1018.6	1001.2
20°	731.1	732.9	758.5	745.6	730.1
22.5°	533.5	540.1	570.4	537.3	525.1
25°	355.2	368.6	400.5	359.2	347.9
27.5°	218.5	224.6	257.0	215.7	209.5
30°	135.9	132.8	148.1	127.1	118.4
32.5°	89.2	85.3	90.1	80.9	73.9
35°	59.6	60.9	57.1	56.7	47.8
37.5°	37.2	42.8	37.8	40.3	30.8
40°	24.1	31.1	26.8	29.5	22.7
42.5°	19.7	23.9	21.9	23.4	20.2
45°	15.7	19.5	19.5	19.5	15.8
47.5°	8.7	13.0	16.7	13.3	9.2
50°	4.9	6.6	12.9	6.9	5.2
52.5°	3.4	3.8	8.8	3.9	3.5
55°	2.5	2.6	4.8	2.8	2.6
57.5°	1.9	2.1	2.5	2.1	1.9
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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