

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: P760204

Luminaire Tested: LD6D10D010-EU6DR300210IC9035-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760204
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-EU6DR300210IC9035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1071.4 lumens
Efficiency: N/A
Efficacy: 91.6 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



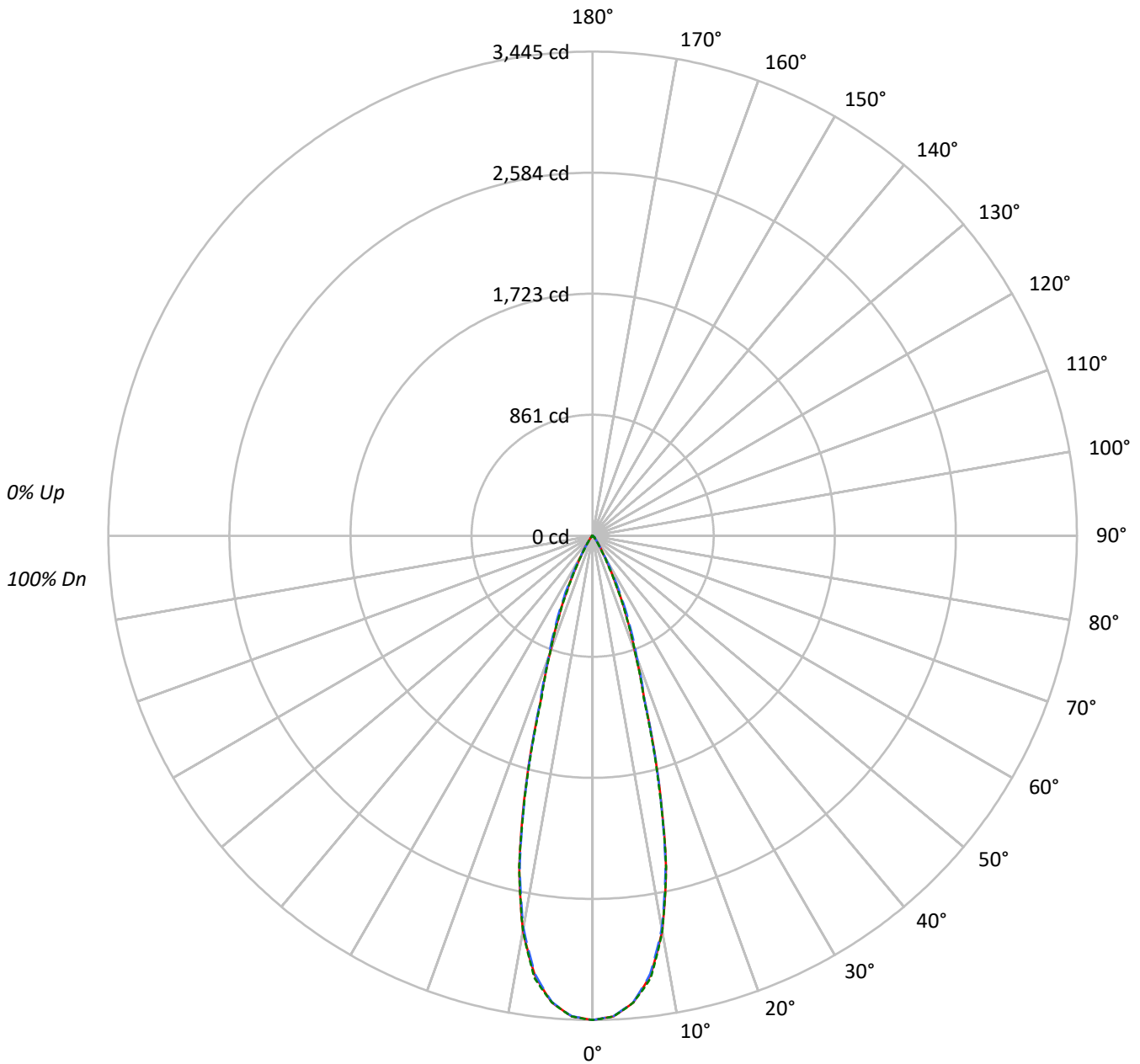
Downlight



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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	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°	263707	263707	263707
5°	256140	255840	256155
10°	221856	220294	221802
15°	144746	143970	143249
20°	71982	74679	71885
25°	36257	40885	35514
30°	14522	15812	12648
35°	6737	6448	5410
40°	2908	3227	2738
45°	2057	2544	2068
50°	703	1858	738
55°	400	761	427
60°	276	337	276
65°	181	181	181
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: 2544 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.0	28.3
10°-20°	487.9	45.5
20°-30°	210.8	19.7
30°-40°	48.0	4.5
40°-50°	16.5	1.5
50°-60°	4.0	0.4
60°-70°	1.0	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°	1001.7	93.5
0°-40°	1049.8	98.0
0°-60°	1070.3	99.9
0°-90°	1071.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1071.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3445	3445	3445	3445	3445	
5°	3334	3330	3330	3337	3334	303
15°	1827	1805	1817	1811	1808	489
25°	429	446	484	434	420	205
35°	72	74	69	68	58	49
45°	19	24	24	24	19	13
55°	3	3	6	3	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°	3445.2	3445.2	3445.2	3445.2	3445.2
2.5°	3422.4	3420.1	3421.4	3423.1	3423.8
5°	3333.6	3330.4	3329.7	3336.6	3333.8
7.5°	3154.5	3149.9	3143.0	3158.7	3173.4
10°	2854.4	2849.3	2834.3	2841.7	2853.7
12.5°	2411.4	2395.0	2394.6	2418.3	2415.1
15°	1826.6	1804.7	1816.8	1810.9	1807.7
17.5°	1228.3	1219.9	1236.1	1231.2	1210.1
20°	883.7	885.8	916.8	901.3	882.5
22.5°	644.8	652.8	689.4	649.4	634.7
25°	429.3	445.5	484.1	434.2	420.5
27.5°	264.0	271.5	310.5	260.6	253.2
30°	164.3	160.5	178.9	153.6	143.1
32.5°	107.8	103.0	108.9	97.7	89.3
35°	72.1	73.6	69.0	68.5	57.9
37.5°	45.0	51.7	45.7	48.7	37.2
40°	29.1	37.5	32.3	35.7	27.4
42.5°	23.8	28.9	26.6	28.2	24.4
45°	19.0	23.5	23.5	23.5	19.1
47.5°	10.5	15.8	20.1	16.0	11.2
50°	5.9	8.0	15.6	8.3	6.2
52.5°	4.1	4.6	10.7	4.8	4.2
55°	3.0	3.2	5.7	3.4	3.2
57.5°	2.3	2.5	3.0	2.5	2.3
60°	1.8	1.8	2.2	2.0	1.8
62.5°	1.4	1.4	1.5	1.4	1.4
65°	1.0	1.0	1.0	1.0	1.0
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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