

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: P758175

Luminaire Tested: LD6D05D010-EU6DR300210IC9035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758175
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: LD6D05D010-EU6DR300210IC9035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 548.4 lumens
Efficiency: N/A
Efficacy: 73.1 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): 7.5
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



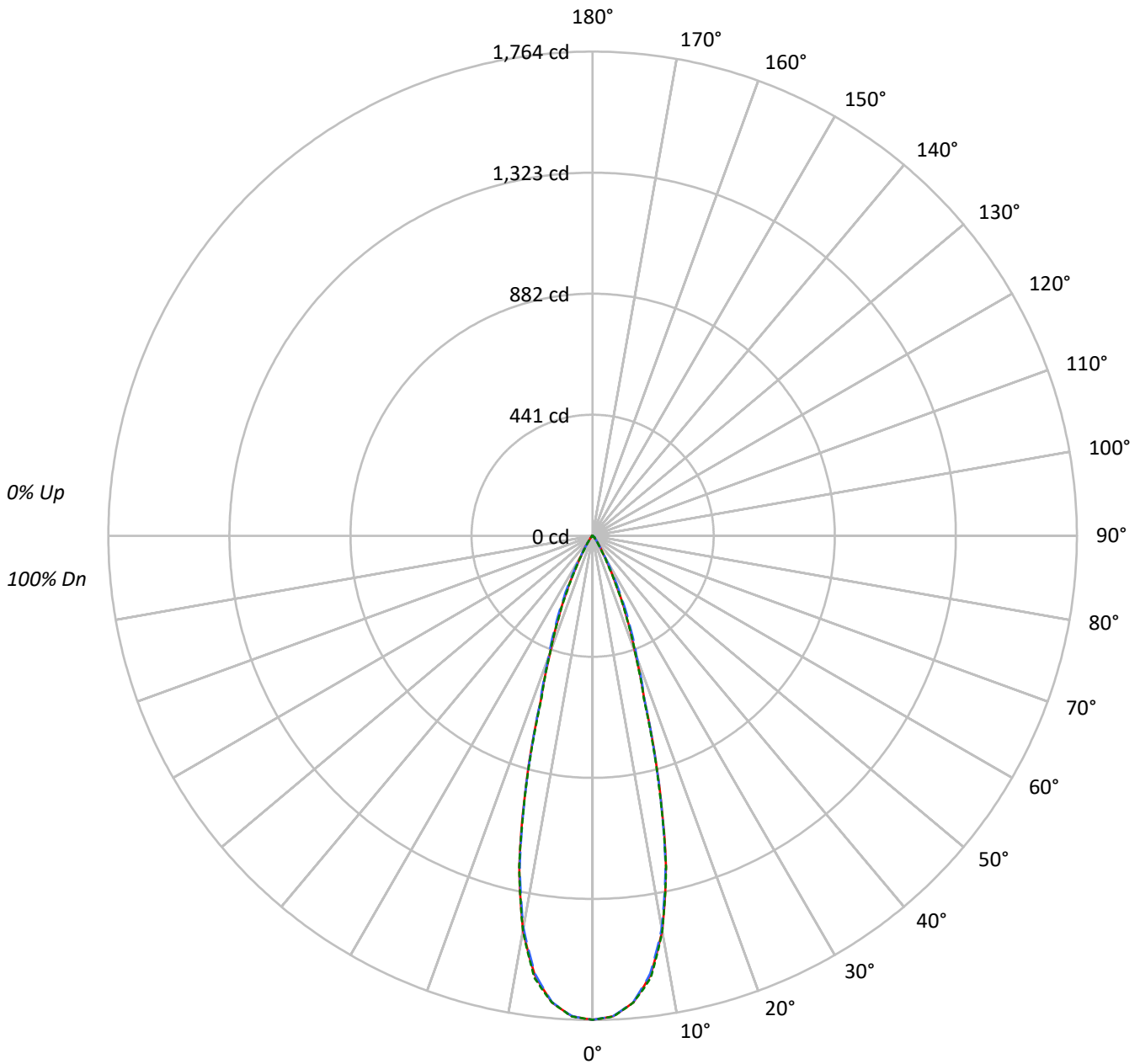
Downlight



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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					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	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°	134984	134984	134984
5°	131113	130959	131120
10°	113563	112762	113540
15°	74101	73697	73324
20°	36842	38227	36794
25°	18555	20928	18183
30°	7433	8096	6470
35°	3448	3308	2766
40°	1489	1659	1399
45°	1050	1299	1061
50°	357	953	381
55°	200	387	227
60°	153	168	153
65°	91	91	91
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1299 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.1	28.3
10°-20°	249.8	45.5
20°-30°	107.9	19.7
30°-40°	24.6	4.5
40°-50°	8.4	1.5
50°-60°	2.1	0.4
60°-70°	0.5	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°	512.8	93.5
0°-40°	537.4	98.0
0°-60°	547.9	99.9
0°-90°	548.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	548.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1764	1764	1764	1764	1764	
5°	1706	1705	1704	1708	1706	155
15°	935	924	930	927	925	250
25°	220	228	248	222	215	105
35°	37	38	35	35	30	25
45°	10	12	12	12	10	7
55°	2	2	3	2	2	2
65°	0	0	0	0	0	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°	1763.5	1763.5	1763.5	1763.5	1763.5
2.5°	1751.9	1750.7	1751.3	1752.2	1752.5
5°	1706.4	1704.8	1704.4	1708.0	1706.5
7.5°	1614.7	1612.4	1608.8	1616.9	1624.4
10°	1461.1	1458.5	1450.8	1454.6	1460.8
12.5°	1234.4	1225.9	1225.8	1237.9	1236.3
15°	935.1	923.8	930.0	927.0	925.3
17.5°	628.8	624.5	632.8	630.2	619.4
20°	452.3	453.4	469.3	461.3	451.7
22.5°	330.1	334.1	352.9	332.4	324.9
25°	219.7	228.1	247.8	222.2	215.3
27.5°	135.2	138.9	159.0	133.4	129.6
30°	84.1	82.2	91.6	78.6	73.2
32.5°	55.2	52.7	55.7	50.0	45.7
35°	36.9	37.6	35.4	35.1	29.6
37.5°	23.0	26.5	23.4	24.9	19.0
40°	14.9	19.2	16.6	18.3	14.0
42.5°	12.2	14.8	13.6	14.4	12.5
45°	9.7	12.0	12.0	12.0	9.8
47.5°	5.4	8.1	10.3	8.3	5.7
50°	3.0	4.1	8.0	4.2	3.2
52.5°	2.1	2.3	5.4	2.4	2.2
55°	1.5	1.7	2.9	1.7	1.7
57.5°	1.2	1.3	1.5	1.3	1.2
60°	1.0	1.0	1.1	1.0	1.0
62.5°	0.7	0.7	0.8	0.7	0.7
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	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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