

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: P758165

Luminaire Tested: LD6D05D010-EU6DR300210IC9030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758165
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-EU6DR300210IC9030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 575.7 lumens
Efficiency: N/A
Efficacy: 76.8 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): 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



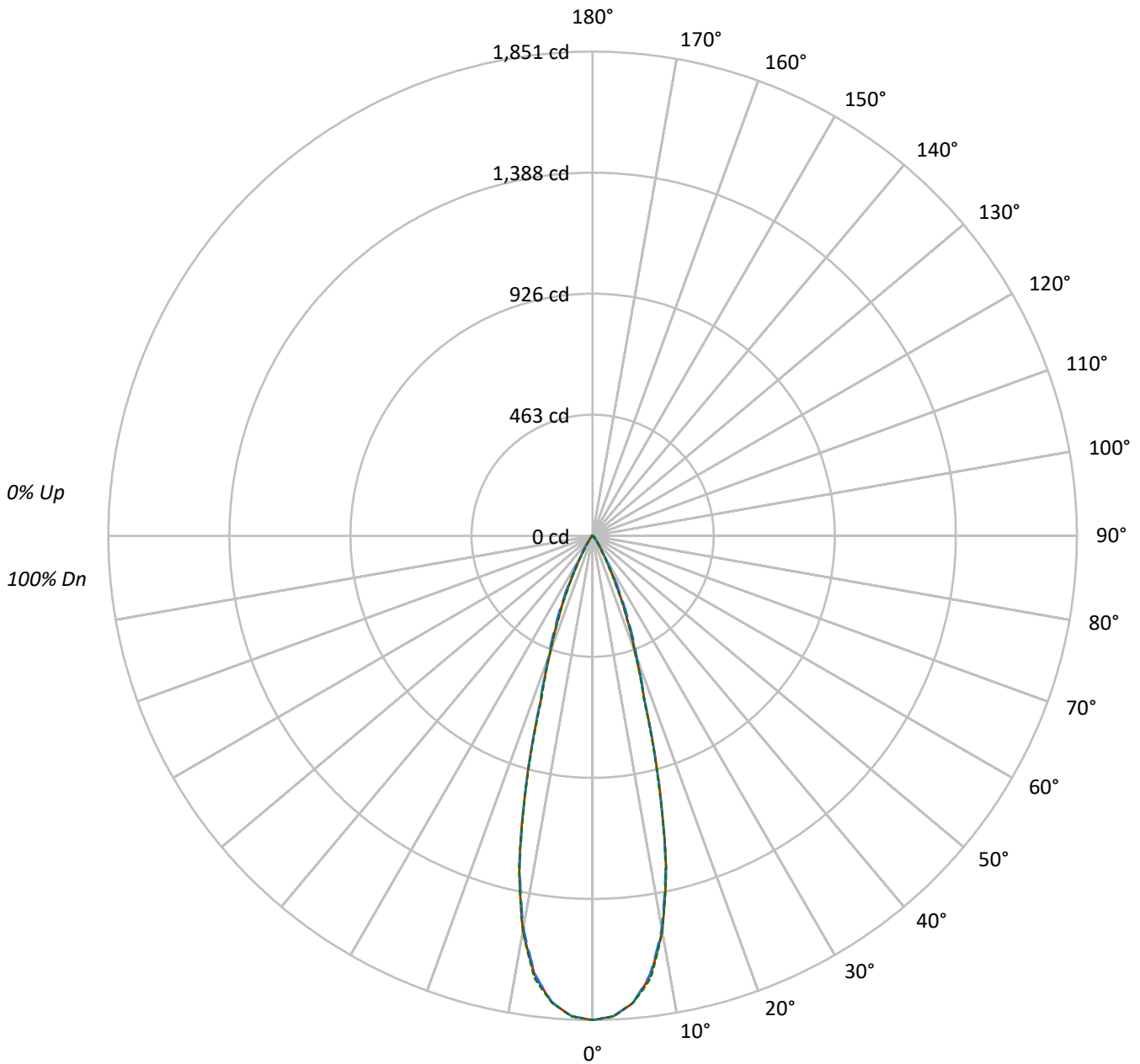
Downlight



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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									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°	141682	141682	141682
5°	137613	137452	137621
10°	119198	118351	119167
15°	77770	77350	76961
20°	38667	40125	38618
25°	19484	21967	19079
30°	7796	8494	6797
35°	3616	3467	2906
40°	1559	1739	1469
45°	1104	1364	1115
50°	381	1000	405
55°	227	414	227
60°	153	184	153
65°	109	109	109
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: 1364 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	28.3
10°-20°	262.1	45.5
20°-30°	113.3	19.7
30°-40°	25.8	4.5
40°-50°	8.9	1.5
50°-60°	2.2	0.4
60°-70°	0.6	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°	538.2	93.5
0°-40°	564.0	98.0
0°-60°	575.0	99.9
0°-90°	575.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	575.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1851	1851	1851	1851	1851	
5°	1791	1789	1789	1793	1791	163
15°	981	970	976	973	971	263
25°	231	239	260	233	226	110
35°	39	40	37	37	31	26
45°	10	13	13	13	10	7
55°	2	2	3	2	2	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°	1851.0	1851.0	1851.0	1851.0	1851.0
2.5°	1838.7	1837.5	1838.2	1839.1	1839.5
5°	1791.0	1789.3	1788.9	1792.6	1791.1
7.5°	1694.8	1692.3	1688.6	1697.1	1705.0
10°	1533.6	1530.9	1522.7	1526.7	1533.2
12.5°	1295.6	1286.7	1286.6	1299.3	1297.6
15°	981.4	969.6	976.1	972.9	971.2
17.5°	660.0	655.4	664.2	661.5	650.1
20°	474.7	476.0	492.6	484.2	474.1
22.5°	346.4	350.7	370.4	348.9	341.0
25°	230.7	239.4	260.1	233.3	225.9
27.5°	141.9	145.9	166.8	140.0	136.0
30°	88.2	86.2	96.1	82.5	76.9
32.5°	57.9	55.3	58.5	52.5	48.0
35°	38.7	39.5	37.1	36.8	31.1
37.5°	24.2	27.8	24.5	26.2	20.0
40°	15.6	20.2	17.4	19.2	14.7
42.5°	12.8	15.5	14.3	15.2	13.1
45°	10.2	12.6	12.6	12.6	10.3
47.5°	5.6	8.5	10.8	8.7	6.0
50°	3.2	4.3	8.4	4.5	3.4
52.5°	2.2	2.5	5.7	2.5	2.3
55°	1.7	1.7	3.1	1.8	1.7
57.5°	1.3	1.4	1.7	1.4	1.3
60°	1.0	1.0	1.2	1.1	1.0
62.5°	0.7	0.7	0.8	0.7	0.7
65°	0.6	0.6	0.6	0.6	0.6
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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