

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: P757008

Luminaire Tested: LD6D02D010-EU6DR200210IC9035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D02D010-EU6DR200210IC9035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 373.7 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
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

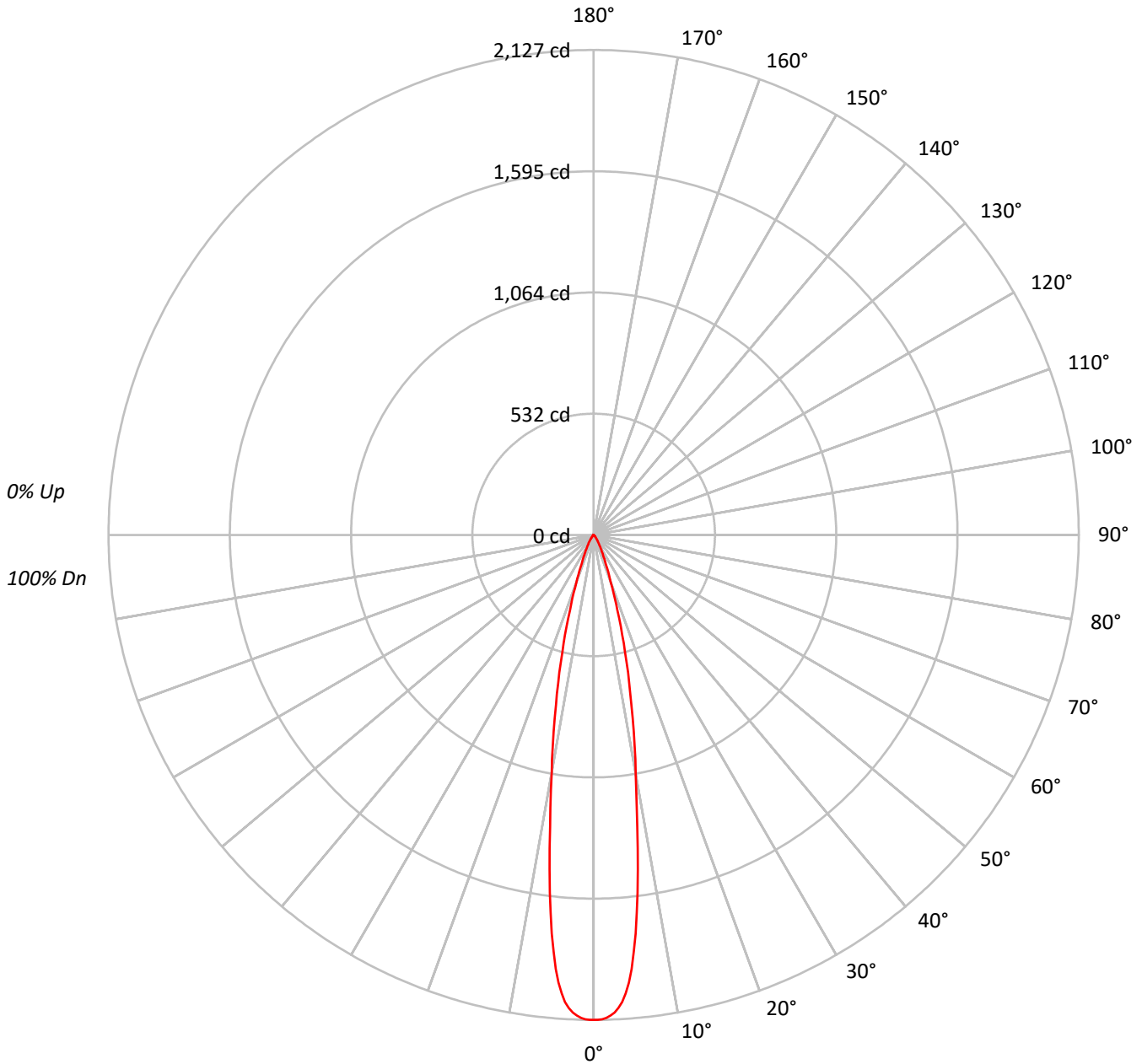


Downlight



TEST NUMBER: P757008
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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	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									100																		
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	98	96	95	94	94	92	91	91	89	88	86	85															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	92	91	89	88	86	85	83	82	81	79																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	89	88	86	85	83	82	81	79	77																	
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	86	85	83	82	81	79	77	75																			
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	83	82	81	79	77	75	73																				
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	81	80	79	77	75	73	71																				
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	79	77	75	73	71	69																					
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	77	75	73	71	69	67																					
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	75	73	71	69	67	65																					
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	73	71	69	67	65	63																					

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	232387
5°	209661
10°	117670
15°	59815
20°	25324
25°	11694
30°	6195
35°	3335
40°	1783
45°	1051
50°	612
55°	324
60°	197
65°	155
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1051 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.4	40.5
10°-20°	149.1	39.9
20°-30°	48.7	13.0
30°-40°	16.6	4.4
40°-50°	5.6	1.5
50°-60°	1.7	0.4
60°-70°	0.6	0.2
70°-80°	0.0	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°	349.3	93.5
0°-40°	365.9	97.9
0°-60°	373.1	99.8
0°-90°	373.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	373.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2127	
5°	1912	151
15°	529	149
25°	97	49
35°	25	17
45°	7	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2126.9
0.5°	2126.9
1°	2124.3
1.5°	2119.0
2°	2109.3
2.5°	2096.4
3°	2078.2
3.5°	2052.9
4°	2015.2
4.5°	1969.3
5°	1911.6
5.5°	1835.6
6°	1757.8
6.5°	1668.6
7°	1581.3
7.5°	1479.0
8°	1387.7
8.5°	1295.9
9°	1211.0
9.5°	1133.2
10°	1060.6
12.5°	761.6
15°	528.8
17.5°	345.5
20°	217.8
22.5°	141.1
25°	97.0
27.5°	68.2
30°	49.1
32.5°	35.2
35°	25.0
37.5°	17.4
40°	12.5
42.5°	9.1
45°	6.8
47.5°	5.3
50°	3.6
52.5°	2.3
55°	1.7
57.5°	1.3
60°	0.9
62.5°	0.8
65°	0.6



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CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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67.5°		0.4
70°		0.2

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(END OF REPORT)