

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: P757165

Luminaire Tested: LD6D02D010-EU6DR300210IC9035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757165
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: LD6D02D010-EU6DR300210IC9035-6LBS1B
Description: 6 INCH ROUND SHALLOW 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: 368.8 lumens
Efficiency: N/A
Efficacy: 72.3 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): 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

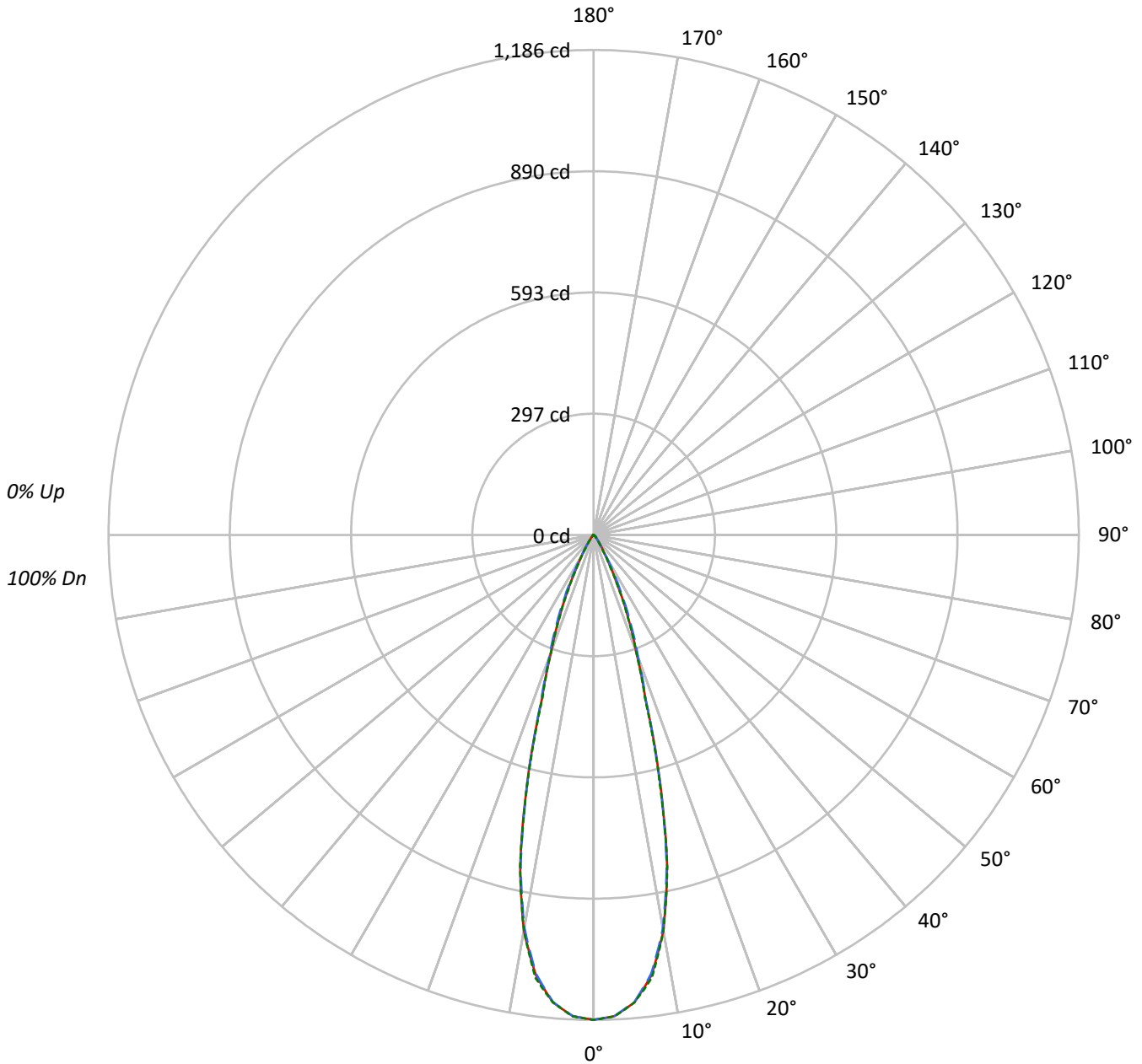


Downlight



TEST NUMBER: P757165
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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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	90765	90765	90765
5°	88154	88054	88161
10°	76356	75820	76341
15°	49820	49551	49305
20°	24771	25699	24738
25°	12483	14070	12221
30°	5003	5444	4357
35°	2317	2224	1860
40°	999	1109	949
45°	704	877	714
50°	250	631	262
55°	133	267	147
60°	92	107	92
65°	54	54	54
70°	45	22	45
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 877 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	28.3
10°-20°	167.9	45.5
20°-30°	72.6	19.7
30°-40°	16.5	4.5
40°-50°	5.7	1.5
50°-60°	1.4	0.4
60°-70°	0.3	0.1
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°	344.8	93.5
0°-40°	361.3	98.0
0°-60°	368.4	99.9
0°-90°	368.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	368.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1186	1186	1186	1186	1186	
5°	1147	1146	1146	1148	1147	104
15°	629	621	625	623	622	168
25°	148	153	167	149	145	71
35°	25	25	24	24	20	17
45°	6	8	8	8	7	5
55°	1	1	2	1	1	1
65°	0	0	0	0	0	0
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°	1185.8	1185.8	1185.8	1185.8	1185.8
2.5°	1177.9	1177.1	1177.5	1178.2	1178.4
5°	1147.3	1146.2	1146.0	1148.4	1147.4
7.5°	1085.7	1084.1	1081.7	1087.1	1092.2
10°	982.4	980.7	975.5	978.0	982.2
12.5°	829.9	824.3	824.2	832.3	831.2
15°	628.7	621.1	625.3	623.3	622.2
17.5°	422.8	419.9	425.5	423.8	416.5
20°	304.1	304.9	315.5	310.2	303.7
22.5°	221.9	224.7	237.3	223.5	218.4
25°	147.8	153.3	166.6	149.4	144.7
27.5°	90.9	93.4	106.9	89.7	87.1
30°	56.6	55.2	61.6	52.9	49.3
32.5°	37.1	35.5	37.5	33.6	30.7
35°	24.8	25.3	23.8	23.6	19.9
37.5°	15.5	17.8	15.7	16.8	12.8
40°	10.0	12.9	11.1	12.3	9.5
42.5°	8.2	10.0	9.2	9.7	8.4
45°	6.5	8.1	8.1	8.1	6.6
47.5°	3.6	5.4	6.9	5.6	3.8
50°	2.1	2.8	5.3	2.9	2.2
52.5°	1.4	1.5	3.7	1.6	1.4
55°	1.0	1.1	2.0	1.1	1.1
57.5°	0.8	0.9	1.0	0.9	0.8
60°	0.6	0.6	0.7	0.7	0.6
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.1	0.1	0.1	0.2
72.5°	0.1	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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