

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



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: P757193

Luminaire Tested: LD6D02D010-EU6DR300210IC9050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757193
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-EU6DR300210IC9050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 419.4 lumens
Efficiency: N/A
Efficacy: 82.2 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

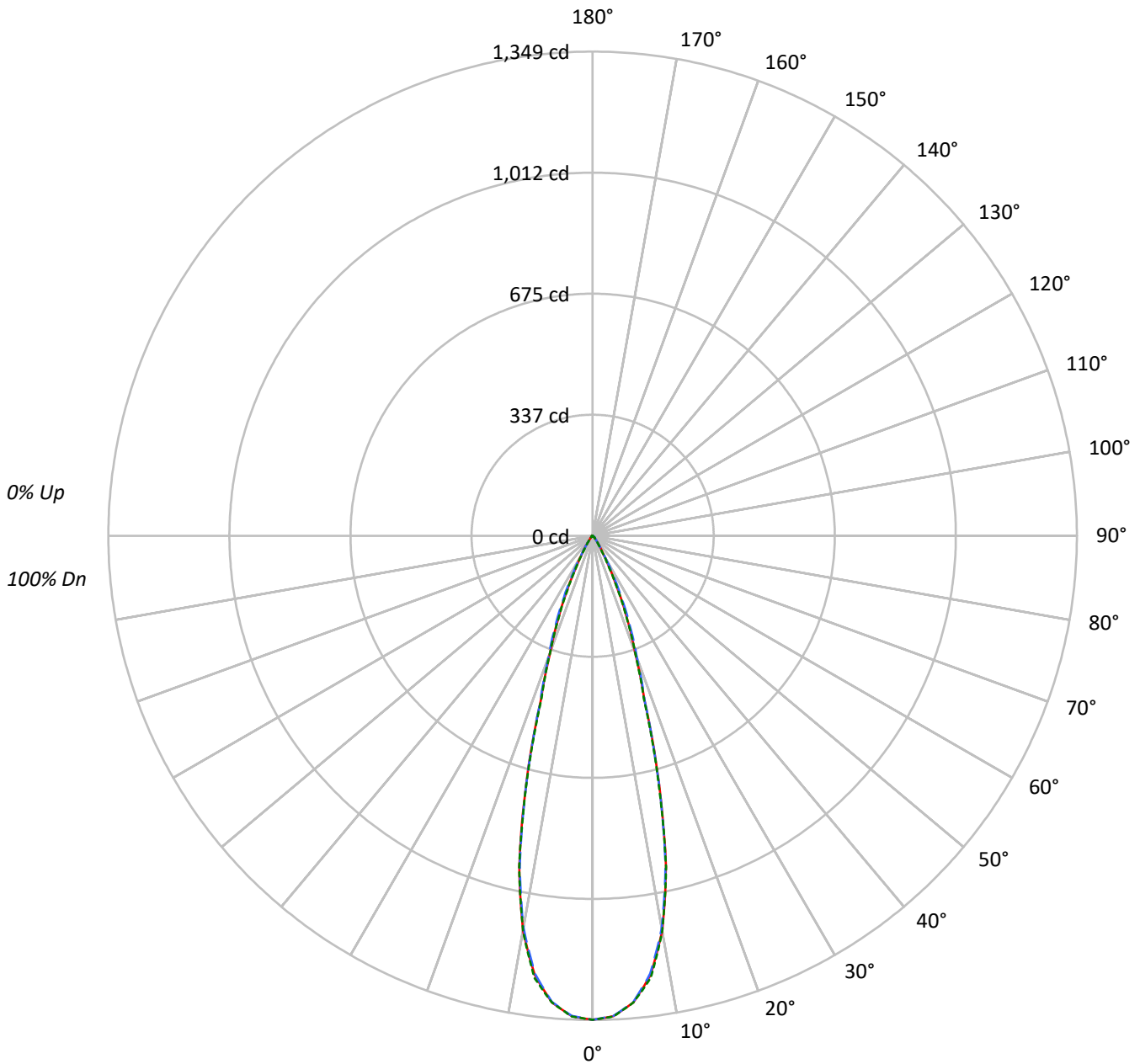


Downlight



TEST NUMBER: P757193
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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	86	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°	103226	103226	103226
5°	100263	100140	100271
10°	86841	86227	86818
15°	56659	56350	56073
20°	28176	29226	28135
25°	14189	16004	13902
30°	5683	6196	4950
35°	2635	2523	2112
40°	1139	1269	1069
45°	801	996	812
50°	274	726	298
55°	160	294	173
60°	107	138	107
65°	72	72	72
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: 996 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.6	28.3
10°-20°	191.0	45.5
20°-30°	82.5	19.7
30°-40°	18.8	4.5
40°-50°	6.5	1.5
50°-60°	1.6	0.4
60°-70°	0.4	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°	392.1	93.5
0°-40°	410.9	98.0
0°-60°	419.0	99.9
0°-90°	419.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	419.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1349	1349	1349	1349	1349	
5°	1305	1304	1303	1306	1305	119
15°	715	706	711	709	708	191
25°	168	174	190	170	165	80
35°	28	29	27	27	23	19
45°	7	9	9	9	8	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°	1348.6	1348.6	1348.6	1348.6	1348.6
2.5°	1339.6	1338.7	1339.2	1339.9	1340.2
5°	1304.9	1303.6	1303.3	1306.0	1305.0
7.5°	1234.8	1233.0	1230.2	1236.4	1242.2
10°	1117.3	1115.3	1109.4	1112.3	1117.0
12.5°	943.9	937.5	937.3	946.6	945.4
15°	715.0	706.4	711.1	708.9	707.6
17.5°	480.8	477.5	483.9	482.0	473.7
20°	345.9	346.7	358.8	352.8	345.4
22.5°	252.4	255.5	269.9	254.2	248.4
25°	168.0	174.4	189.5	169.9	164.6
27.5°	103.4	106.3	121.6	102.0	99.1
30°	64.3	62.9	70.1	60.1	56.0
32.5°	42.2	40.3	42.6	38.3	34.9
35°	28.2	28.8	27.0	26.8	22.6
37.5°	17.6	20.3	17.9	19.1	14.6
40°	11.4	14.7	12.7	14.0	10.7
42.5°	9.3	11.3	10.4	11.1	9.5
45°	7.4	9.2	9.2	9.2	7.5
47.5°	4.1	6.1	7.9	6.3	4.4
50°	2.3	3.1	6.1	3.3	2.5
52.5°	1.6	1.8	4.2	1.8	1.7
55°	1.2	1.3	2.2	1.3	1.3
57.5°	0.9	1.0	1.2	1.0	0.9
60°	0.7	0.7	0.9	0.8	0.7
62.5°	0.5	0.5	0.6	0.5	0.5
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.2	0.3	0.3	0.3	0.3
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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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