

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: P758193

Luminaire Tested: LD6D05D010-EU6DR300210IC9040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758193
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-EU6DR300210IC9040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 736.9 lumens
Efficiency: N/A
Efficacy: 98.3 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): 7.5
Input Voltage (V): NR
Input Current (Ain): 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

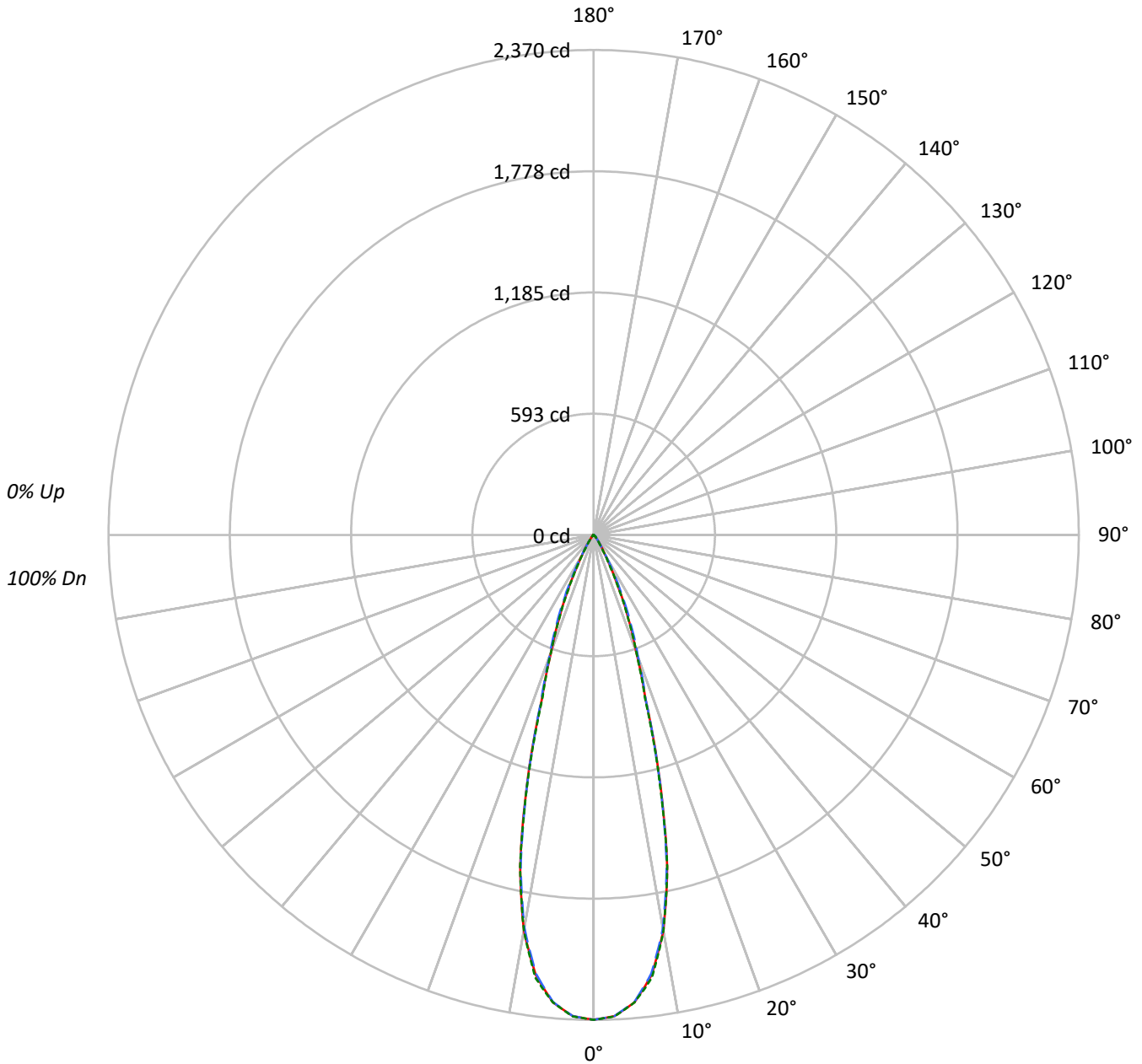


Downlight



TEST NUMBER: P758193
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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																			
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	87	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°	181377	181377	181377
5°	176169	175962	176177
10°	152588	151516	152549
15°	99554	99023	98524
20°	49501	51358	49436
25°	24931	28115	24425
30°	9987	10880	8697
35°	4635	4429	3719
40°	1998	2218	1888
45°	1407	1754	1418
50°	488	1274	512
55°	280	534	294
60°	199	230	199
65°	127	127	127
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: 1754 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.4	28.3
10°-20°	335.6	45.5
20°-30°	145.0	19.7
30°-40°	33.0	4.5
40°-50°	11.4	1.5
50°-60°	2.8	0.4
60°-70°	0.7	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°	689.0	93.5
0°-40°	722.0	98.0
0°-60°	736.1	99.9
0°-90°	736.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	736.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2370	2370	2370	2370	2370	
5°	2293	2290	2290	2295	2293	209
15°	1256	1241	1250	1246	1243	336
25°	295	306	333	299	289	141
35°	50	51	47	47	40	34
45°	13	16	16	16	13	9
55°	2	2	4	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°	2369.6	2369.6	2369.6	2369.6	2369.6
2.5°	2353.9	2352.2	2353.2	2354.3	2354.8
5°	2292.8	2290.5	2290.1	2294.9	2292.9
7.5°	2169.6	2166.4	2161.7	2172.5	2182.6
10°	1963.2	1959.7	1949.4	1954.4	1962.7
12.5°	1658.5	1647.2	1647.0	1663.3	1661.0
15°	1256.3	1241.2	1249.6	1245.5	1243.3
17.5°	844.8	839.0	850.2	846.8	832.3
20°	607.7	609.3	630.5	619.8	606.9
22.5°	443.5	449.0	474.2	446.6	436.5
25°	295.2	306.4	332.9	298.6	289.2
27.5°	181.6	186.7	213.6	179.3	174.2
30°	113.0	110.4	123.1	105.7	98.4
32.5°	74.1	70.9	74.9	67.3	61.4
35°	49.6	50.6	47.4	47.1	39.8
37.5°	30.9	35.6	31.4	33.5	25.6
40°	20.0	25.8	22.2	24.5	18.9
42.5°	16.4	19.9	18.3	19.4	16.7
45°	13.0	16.2	16.2	16.2	13.1
47.5°	7.2	10.8	13.9	11.1	7.7
50°	4.1	5.4	10.7	5.7	4.3
52.5°	2.8	3.2	7.3	3.3	2.9
55°	2.1	2.2	4.0	2.3	2.2
57.5°	1.6	1.7	2.1	1.7	1.6
60°	1.3	1.3	1.5	1.4	1.3
62.5°	0.9	0.9	1.0	0.9	0.9
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.3	0.5	0.5	0.5	0.5
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

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Scaled Data Report





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

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