

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: P759220

Luminaire Tested: LD6D08D010-EU6DR300210IC9050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759220
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: LD6D08D010-EU6DR300210IC9050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 856.7 lumens
Efficiency: N/A
Efficacy: 96.3 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): 8.9
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

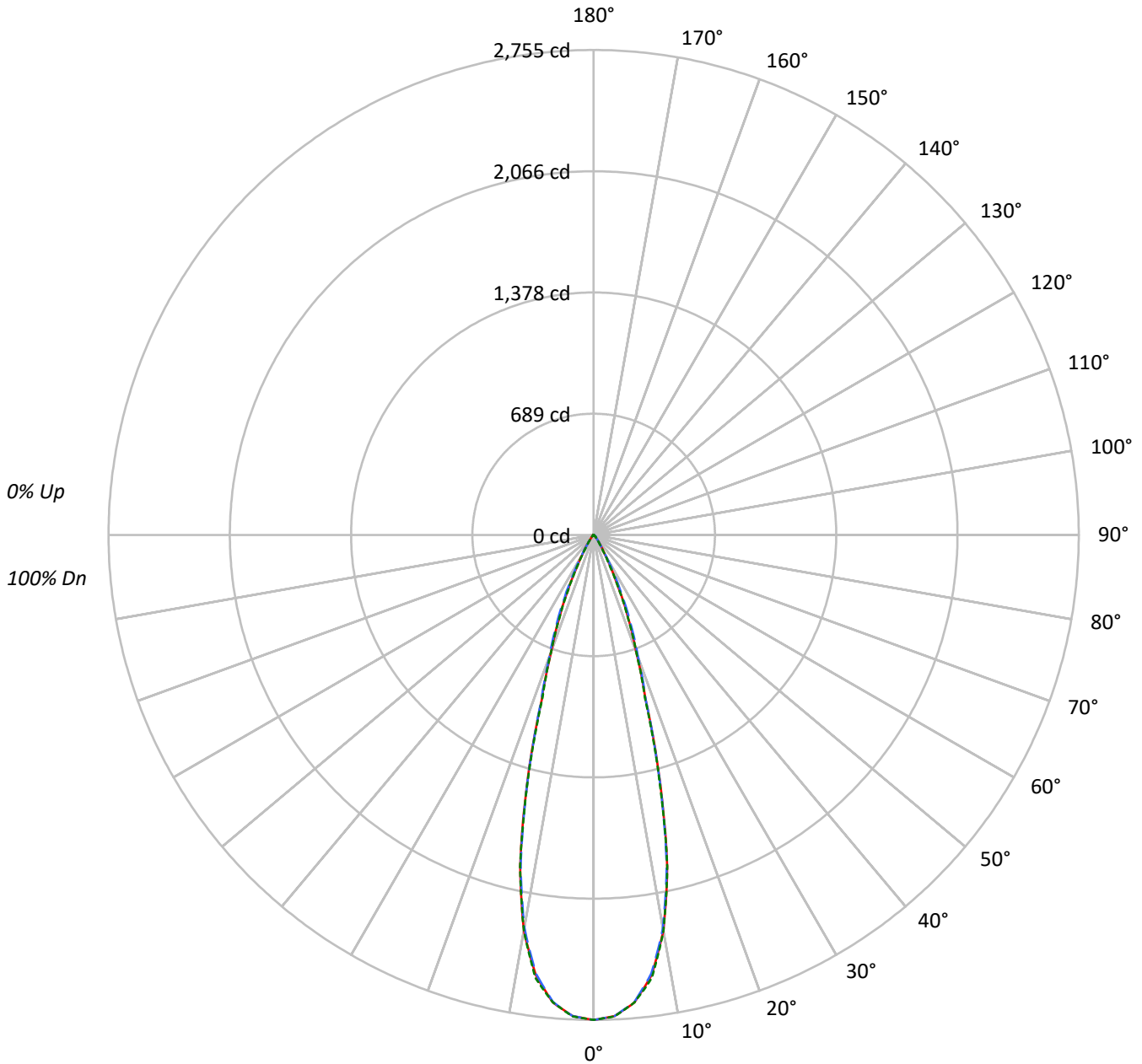


Downlight



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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°	210869	210869	210869
5°	204813	204568	204821
10°	177398	176146	177351
15°	115743	115125	114539
20°	57557	59715	57475
25°	28994	32693	28403
30°	11605	12648	10111
35°	5382	5158	4317
40°	2328	2578	2188
45°	1635	2035	1656
50°	572	1477	595
55°	320	614	347
60°	230	276	230
65°	145	145	145
70°	90	67	90
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2035 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.2	28.3
10°-20°	390.1	45.5
20°-30°	168.6	19.7
30°-40°	38.4	4.5
40°-50°	13.2	1.5
50°-60°	3.2	0.4
60°-70°	0.8	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°	801.0	93.5
0°-40°	839.4	98.0
0°-60°	855.8	99.9
0°-90°	856.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	856.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2755	2755	2755	2755	2755	
5°	2666	2663	2662	2668	2666	242
15°	1461	1443	1453	1448	1445	391
25°	343	356	387	347	336	164
35°	58	59	55	55	46	39
45°	15	19	19	19	15	11
55°	2	3	5	3	3	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°	2754.9	2754.9	2754.9	2754.9	2754.9
2.5°	2736.6	2734.7	2735.8	2737.1	2737.7
5°	2665.6	2663.0	2662.4	2668.0	2665.7
7.5°	2522.4	2518.7	2513.1	2525.7	2537.5
10°	2282.4	2278.3	2266.3	2272.3	2281.8
12.5°	1928.2	1915.0	1914.8	1933.7	1931.1
15°	1460.6	1443.0	1452.8	1448.0	1445.4
17.5°	982.2	975.4	988.5	984.5	967.6
20°	706.6	708.3	733.1	720.7	705.6
22.5°	515.6	522.0	551.3	519.3	507.5
25°	343.3	356.3	387.1	347.2	336.3
27.5°	211.1	217.1	248.3	208.4	202.5
30°	131.3	128.3	143.1	122.8	114.4
32.5°	86.2	82.4	87.1	78.2	71.4
35°	57.6	58.8	55.2	54.8	46.2
37.5°	36.0	41.4	36.5	39.0	29.7
40°	23.3	30.0	25.8	28.5	21.9
42.5°	19.1	23.1	21.3	22.6	19.5
45°	15.1	18.8	18.8	18.8	15.3
47.5°	8.4	12.6	16.1	12.8	8.9
50°	4.8	6.4	12.4	6.6	5.0
52.5°	3.3	3.7	8.5	3.8	3.4
55°	2.4	2.6	4.6	2.7	2.6
57.5°	1.9	2.0	2.4	2.0	1.9
60°	1.5	1.5	1.8	1.6	1.5
62.5°	1.1	1.1	1.2	1.1	1.1
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.4	0.5	0.5	0.5	0.5
70°	0.4	0.3	0.3	0.3	0.4
72.5°	0.3	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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