

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: P760215

Luminaire Tested: LD6D10D010-EU6DR300210IC9040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760215
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: LD6D10D010-EU6DR300210IC9040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1005.7 lumens
Efficiency: N/A
Efficacy: 86.0 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): 11.7
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

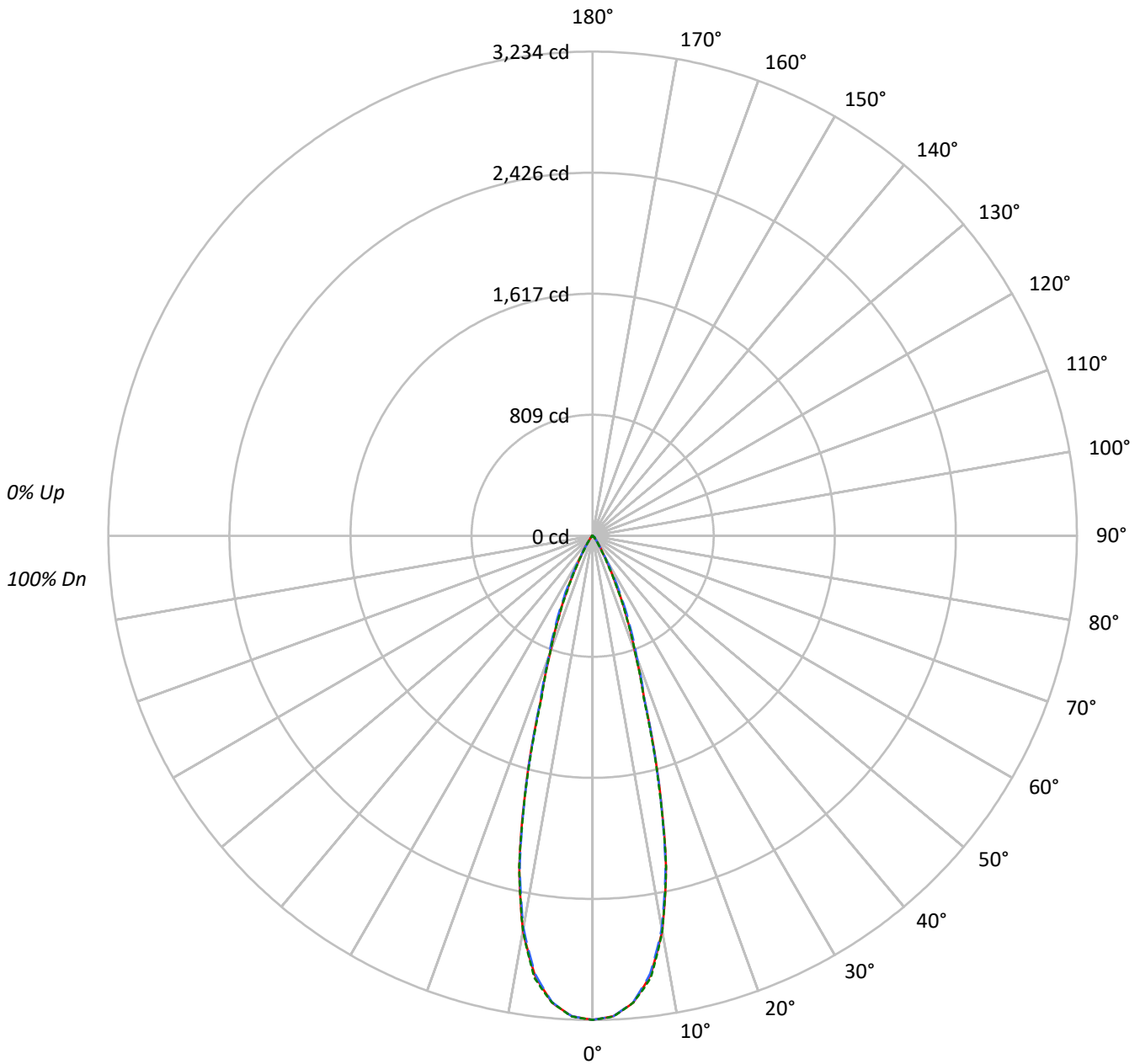


Downlight



TEST NUMBER: P760215
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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	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°	247511	247511	247511
5°	240411	240127	240419
10°	208231	206762	208177
15°	135855	135134	134453
20°	67551	70093	67470
25°	34036	38368	33335
30°	13629	14849	11870
35°	6317	6055	5074
40°	2728	3028	2568
45°	1927	2392	1938
50°	667	1739	703
55°	387	721	400
60°	260	321	260
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2392 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.3	28.3
10°-20°	457.9	45.5
20°-30°	197.9	19.7
30°-40°	45.1	4.5
40°-50°	15.5	1.5
50°-60°	3.8	0.4
60°-70°	1.0	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°	940.2	93.5
0°-40°	985.3	98.0
0°-60°	1004.6	99.9
0°-90°	1005.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1005.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3234	3234	3234	3234	3234	
5°	3129	3126	3125	3132	3129	285
15°	1714	1694	1705	1700	1697	459
25°	403	418	454	408	395	193
35°	68	69	65	64	54	46
45°	18	22	22	22	18	13
55°	3	3	5	3	3	3
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°	3233.6	3233.6	3233.6	3233.6	3233.6
2.5°	3212.2	3210.0	3211.3	3212.8	3213.5
5°	3128.9	3125.8	3125.2	3131.7	3129.0
7.5°	2960.7	2956.4	2950.0	2964.7	2978.5
10°	2679.1	2674.3	2660.2	2667.2	2678.4
12.5°	2263.3	2247.9	2247.6	2269.8	2266.8
15°	1714.4	1693.8	1705.3	1699.7	1696.7
17.5°	1152.9	1145.0	1160.2	1155.6	1135.8
20°	829.3	831.4	860.5	845.9	828.3
22.5°	605.2	612.7	647.1	609.5	595.7
25°	403.0	418.2	454.3	407.5	394.7
27.5°	247.8	254.8	291.5	244.6	237.7
30°	154.2	150.7	168.0	144.2	134.3
32.5°	101.1	96.7	102.2	91.8	83.8
35°	67.6	69.0	64.8	64.3	54.3
37.5°	42.2	48.6	42.9	45.7	34.9
40°	27.3	35.2	30.3	33.5	25.7
42.5°	22.4	27.2	24.9	26.5	22.9
45°	17.8	22.1	22.1	22.1	17.9
47.5°	9.9	14.8	18.9	15.1	10.5
50°	5.6	7.4	14.6	7.8	5.9
52.5°	3.8	4.3	10.0	4.5	4.0
55°	2.9	3.0	5.4	3.2	3.0
57.5°	2.2	2.4	2.9	2.4	2.2
60°	1.7	1.7	2.1	1.9	1.7
62.5°	1.3	1.3	1.4	1.3	1.3
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.6	0.6	0.6	0.6
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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