

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: P760213

Luminaire Tested: LD6D10D010-EU6DR300210IC9040-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760213
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-EU6DR300210IC9040-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1005.5 lumens
Efficiency: N/A
Efficacy: 85.9 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 (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



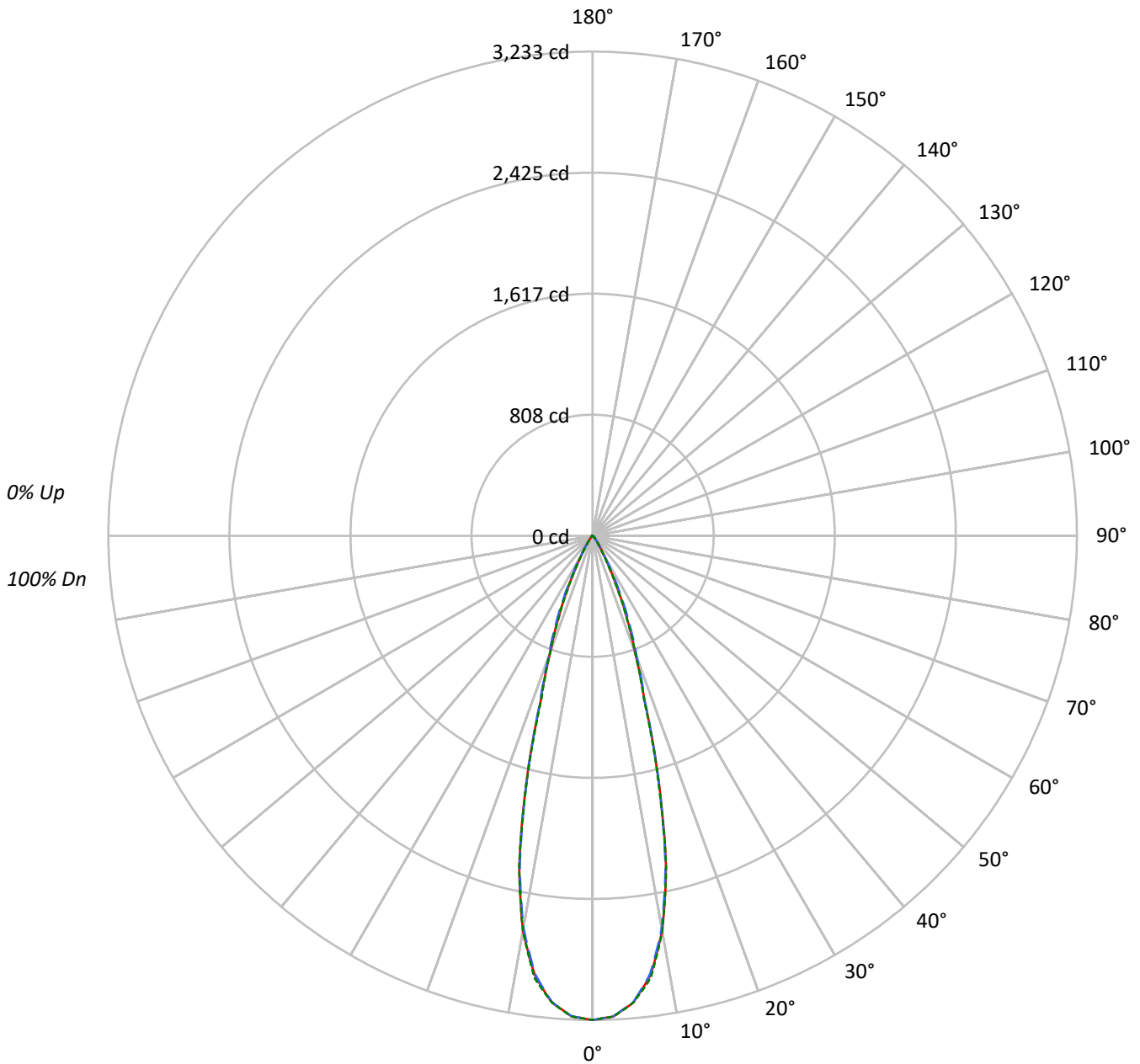
Downlight



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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					70					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°	247472	247472	247472
5°	240373	240089	240381
10°	208200	206731	208145
15°	135839	135110	134429
20°	67543	70076	67454
25°	34027	38368	33326
30°	13620	14840	11870
35°	6317	6046	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°	940.0	93.5
0°-40°	985.1	98.0
0°-60°	1004.4	99.9
0°-90°	1005.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1005.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3233	3233	3233	3233	3233	
5°	3128	3125	3125	3131	3128	285
15°	1714	1694	1705	1699	1696	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3233.1	3233.1	3233.1	3233.1	3233.1
2.5°	3211.7	3209.5	3210.8	3212.4	3213.0
5°	3128.4	3125.3	3124.7	3131.2	3128.5
7.5°	2960.3	2956.0	2949.5	2964.2	2978.0
10°	2678.7	2673.9	2659.8	2666.7	2678.0
12.5°	2262.9	2247.5	2247.2	2269.5	2266.4
15°	1714.2	1693.5	1705.0	1699.4	1696.4
17.5°	1152.7	1144.8	1160.1	1155.4	1135.6
20°	829.2	831.3	860.3	845.7	828.1
22.5°	605.1	612.5	647.0	609.4	595.6
25°	402.9	418.1	454.3	407.5	394.6
27.5°	247.8	254.8	291.5	244.6	237.6
30°	154.1	150.6	167.9	144.2	134.3
32.5°	101.1	96.7	102.2	91.7	83.8
35°	67.6	69.0	64.7	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

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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