

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: P763108

Luminaire Tested: LD6D25D010-EU6DR3020359027-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763108
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: LD6D25D010-EU6DR3020359027-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2449.2 lumens
Efficiency: N/A
Efficacy: 97.6 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): 25.1
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

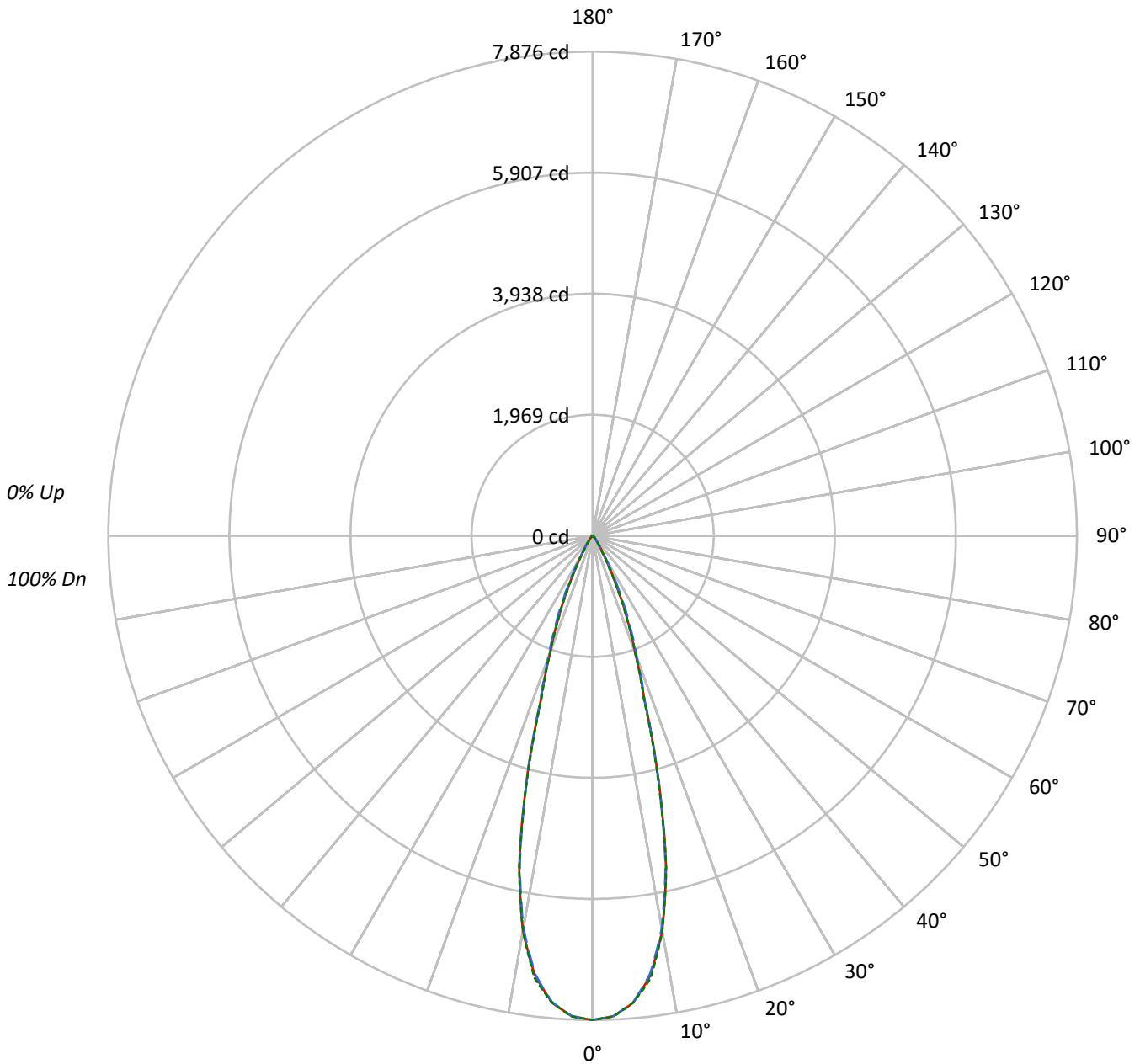


Downlight



TEST NUMBER: P763108
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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	87	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°	602825	602825	602825
5°	585519	584836	585550
10°	507143	503567	507026
15°	330889	329106	327458
20°	164533	170707	164313
25°	82885	93468	81179
30°	33188	36158	28911
35°	15390	14736	12353
40°	6645	7384	6255
45°	4687	5813	4730
50°	1608	4239	1703
55°	921	1748	974
60°	643	765	643
65°	417	417	417
70°	246	157	246
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5813 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.5	28.3
10°-20°	1115.3	45.5
20°-30°	482.0	19.7
30°-40°	109.8	4.5
40°-50°	37.7	1.5
50°-60°	9.2	0.4
60°-70°	2.4	0.1
70°-80°	0.2	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°	2289.8	93.5
0°-40°	2399.7	98.0
0°-60°	2446.6	99.9
0°-90°	2449.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2449.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7876	7876	7876	7876	7876	
5°	7620	7613	7612	7627	7621	693
15°	4176	4125	4153	4140	4132	1118
25°	981	1018	1107	993	961	470
35°	165	168	158	157	132	112
45°	43	54	54	54	44	31
55°	7	7	13	8	7	7
65°	2	2	2	2	2	2
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°	7875.6	7875.6	7875.6	7875.6	7875.6
2.5°	7823.4	7817.9	7821.0	7824.9	7826.5
5°	7620.4	7613.0	7611.5	7627.3	7620.8
7.5°	7210.9	7200.4	7184.6	7220.6	7254.2
10°	6524.9	6513.4	6478.9	6495.9	6523.4
12.5°	5512.2	5474.8	5474.0	5528.1	5520.8
15°	4175.6	4125.3	4153.1	4139.6	4132.3
17.5°	2807.9	2788.6	2825.7	2814.5	2766.2
20°	2019.9	2025.0	2095.7	2060.2	2017.2
22.5°	1474.0	1492.1	1576.0	1484.4	1450.8
25°	981.4	1018.5	1106.7	992.6	961.2
27.5°	603.6	620.6	709.9	595.9	578.9
30°	375.5	366.9	409.1	351.1	327.1
32.5°	246.3	235.5	249.0	223.5	204.1
35°	164.7	168.2	157.7	156.6	132.2
37.5°	102.8	118.3	104.4	111.4	85.1
40°	66.5	85.8	73.9	81.6	62.6
42.5°	54.5	66.1	60.7	64.6	55.7
45°	43.3	53.7	53.7	53.7	43.7
47.5°	23.9	36.0	46.0	36.7	25.5
50°	13.5	18.2	35.6	19.0	14.3
52.5°	9.3	10.4	24.4	10.8	9.7
55°	6.9	7.3	13.1	7.7	7.3
57.5°	5.4	5.8	6.9	5.8	5.4
60°	4.2	4.2	5.0	4.6	4.2
62.5°	3.1	3.1	3.5	3.1	3.1
65°	2.3	2.3	2.3	2.3	2.3
67.5°	1.1	1.5	1.5	1.5	1.5
70°	1.1	0.7	0.7	0.7	1.1
72.5°	0.7	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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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