

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: P762898

Luminaire Tested: LD6D25D010-EU6DR1515309035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR1515309035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2768.3 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
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

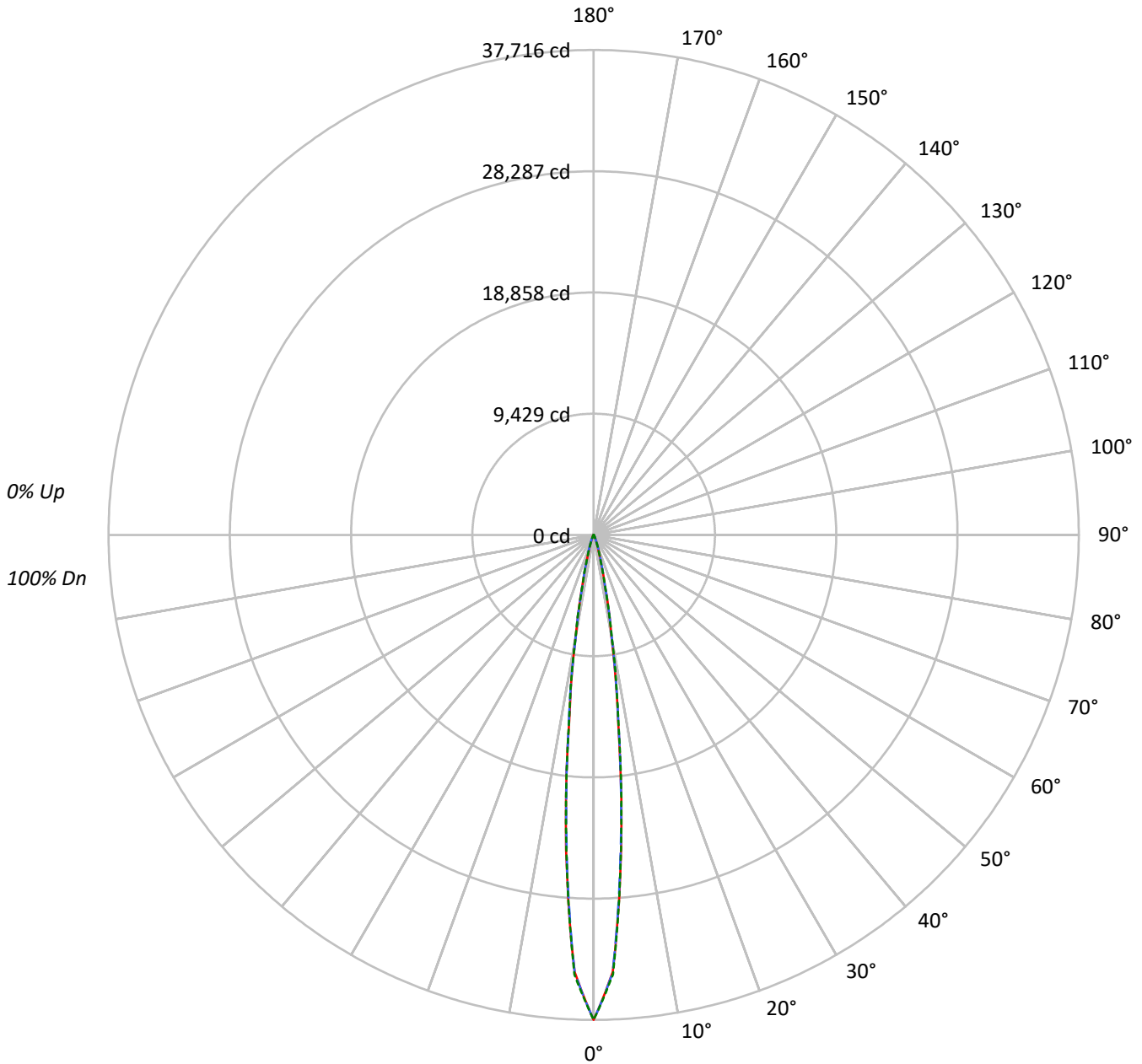


Downlight



TEST NUMBER: P762898
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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4243836	4243836	4243836
5°	2493882	2461584	2481056
10°	744305	749521	760989
15°	185135	188749	182921
20°	55394	64149	56572
25°	19530	24874	19779
30°	7174	9443	7293
35°	3595	4059	3478
40°	2265	2493	2265
45°	1673	1785	1673
50°	1335	1335	1335
55°	1114	1114	1114
60°	899	899	899
65°	685	685	685
70°	585	585	585
75°	363	363	484
80°	252	252	252
85°	133	133	133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1785 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1795.4	64.9
10°-20°	738.5	26.7
20°-30°	146.7	5.3
30°-40°	36.6	1.3
40°-50°	19.2	0.7
50°-60°	14.3	0.5
60°-70°	10.1	0.4
70°-80°	5.7	0.2
80°-90°	1.7	0.1
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°	2680.5	96.8
0°-40°	2717.1	98.2
0°-60°	2750.7	99.4
0°-90°	2768.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2768.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37716	37716	37716	37716	37716	
5°	24539	24287	24221	24389	24413	1792
15°	2132	2172	2173	2135	2106	731
25°	251	284	319	283	254	132
35°	50	53	56	53	48	34
45°	24	24	26	24	24	19
55°	16	16	16	16	16	14
65°	10	10	10	10	10	10
75°	5	5	5	5	6	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	37716.3	37716.3	37716.3	37716.3	37716.3
2.5°	34021.6	34050.4	34061.5	34095.1	34219.6
5°	24539.1	24286.8	24221.3	24389.0	24412.9
7.5°	14536.0	14587.1	14773.9	14815.4	14665.3
10°	7976.9	8042.4	8032.8	8090.3	8155.7
12.5°	4079.5	4028.4	4012.4	4077.9	3986.9
15°	2131.5	2171.5	2173.1	2134.7	2106.0
17.5°	1146.4	1192.7	1269.3	1207.1	1111.3
20°	677.0	718.5	784.0	732.9	691.4
22.5°	418.3	451.9	498.2	458.2	424.7
25°	250.7	284.2	319.3	282.6	253.9
27.5°	148.5	177.2	199.6	175.6	146.9
30°	95.8	111.8	126.1	110.2	97.4
32.5°	67.1	73.4	79.8	73.4	67.1
35°	49.5	52.7	55.9	52.7	47.9
37.5°	38.3	41.5	43.1	39.9	36.7
40°	31.9	33.5	35.1	33.5	31.9
42.5°	27.1	28.7	28.7	28.7	27.1
45°	23.9	23.9	25.5	23.9	23.9
47.5°	20.8	20.8	22.4	20.8	20.8
50°	19.2	19.2	19.2	19.2	19.2
52.5°	17.6	17.6	17.6	17.6	17.6
55°	16.0	16.0	16.0	16.0	16.0
57.5°	14.4	14.4	14.4	14.4	14.4
60°	12.8	12.8	12.8	12.8	12.8
62.5°	11.2	11.2	11.2	11.2	11.2
65°	9.6	9.6	9.6	9.6	9.6
67.5°	9.6	9.6	9.6	9.6	9.6
70°	8.0	8.0	8.0	8.0	8.0
72.5°	6.4	6.4	6.4	6.4	6.4
75°	4.8	4.8	4.8	4.8	4.8
77.5°	4.8	4.8	4.8	4.8	4.8
80°	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6
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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