

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: P762913

Luminaire Tested: LD6D25D010-EU6DR1515309040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762913
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-EU6DR1515309040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2926.2 lumens
Efficiency: N/A
Efficacy: 116.6 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



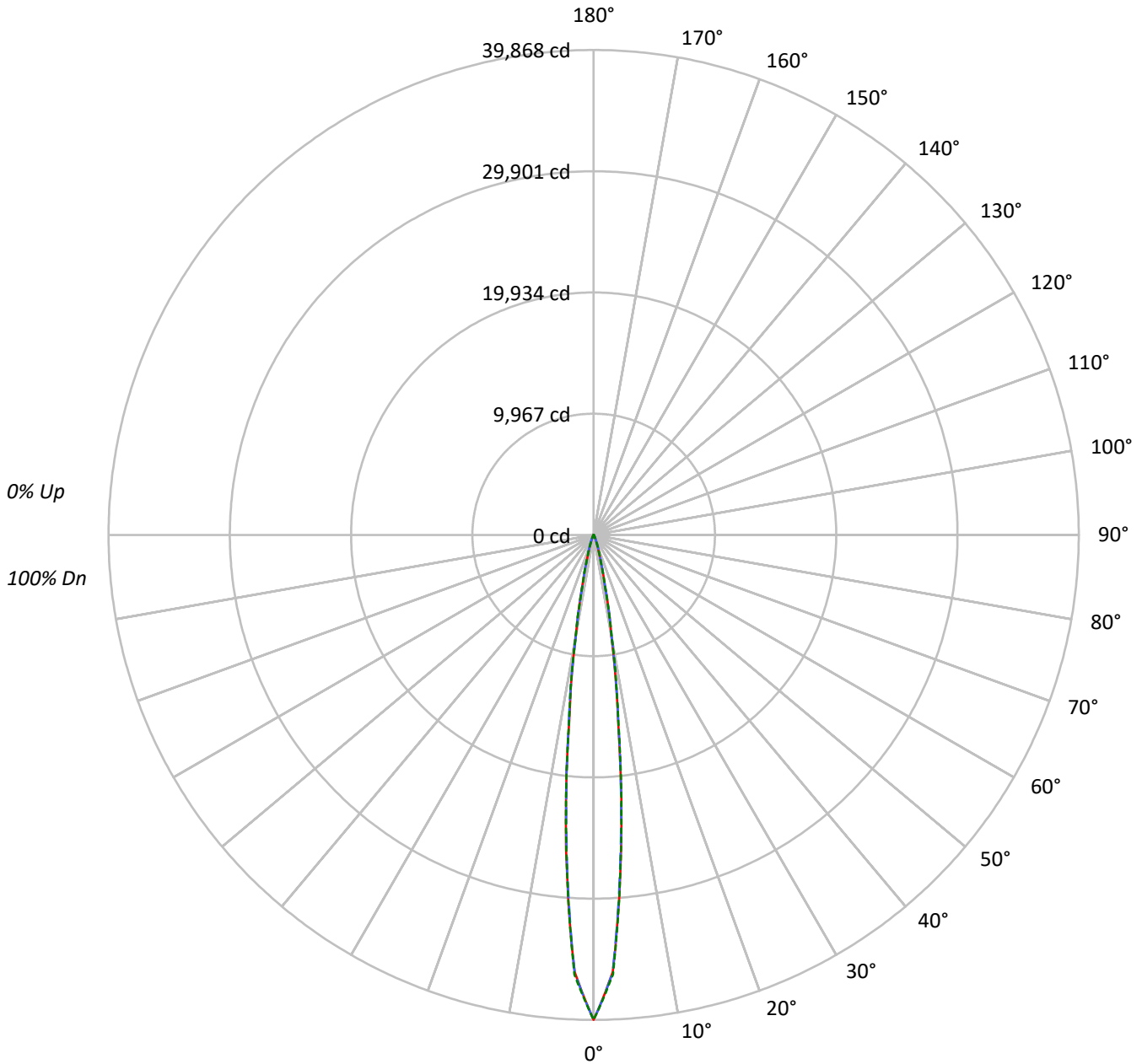
Downlight



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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	88	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°	4485923	4485923	4485923
5°	2636142	2602005	2622585
10°	786770	792275	804405
15°	195697	199510	193352
20°	58552	67807	59796
25°	20644	26291	20909
30°	7585	9982	7713
35°	3798	4292	3675
40°	2400	2635	2400
45°	1771	1890	1771
50°	1412	1412	1412
55°	1176	1176	1176
60°	948	948	948
65°	721	721	721
70°	614	614	614
75°	385	385	514
80°	268	268	268
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1890 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1897.8	64.9
10°-20°	780.6	26.7
20°-30°	155.0	5.3
30°-40°	38.7	1.3
40°-50°	20.3	0.7
50°-60°	15.1	0.5
60°-70°	10.6	0.4
70°-80°	6.1	0.2
80°-90°	1.8	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°	2833.4	96.8
0°-40°	2872.1	98.2
0°-60°	2907.6	99.4
0°-90°	2926.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2926.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	39868	39868	39868	39868	39868	
5°	25939	25672	25603	25780	25806	1894
15°	2253	2295	2297	2256	2226	772
25°	265	300	338	299	268	139
35°	52	56	59	56	51	36
45°	25	25	27	25	25	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	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°	39867.8	39867.8	39867.8	39867.8	39867.8
2.5°	35962.4	35992.7	36004.6	36040.0	36171.6
5°	25938.9	25672.2	25603.0	25780.2	25805.5
7.5°	15365.2	15419.2	15616.7	15660.5	15501.9
10°	8432.0	8501.1	8491.0	8551.8	8621.0
12.5°	4312.2	4258.2	4241.3	4310.5	4214.3
15°	2253.1	2295.3	2297.0	2256.5	2226.1
17.5°	1211.8	1260.7	1341.8	1275.9	1174.7
20°	715.6	759.5	828.7	774.7	730.8
22.5°	442.2	477.6	526.6	484.4	448.9
25°	265.0	300.4	337.5	298.7	268.4
27.5°	157.0	187.3	211.0	185.7	155.3
30°	101.3	118.1	133.3	116.5	103.0
32.5°	70.9	77.6	84.4	77.6	70.9
35°	52.3	55.7	59.1	55.7	50.6
37.5°	40.5	43.9	45.6	42.2	38.8
40°	33.8	35.4	37.1	35.4	33.8
42.5°	28.7	30.4	30.4	30.4	28.7
45°	25.3	25.3	27.0	25.3	25.3
47.5°	21.9	21.9	23.6	21.9	21.9
50°	20.3	20.3	20.3	20.3	20.3
52.5°	18.6	18.6	18.6	18.6	18.6
55°	16.9	16.9	16.9	16.9	16.9
57.5°	15.2	15.2	15.2	15.2	15.2
60°	13.5	13.5	13.5	13.5	13.5
62.5°	11.8	11.8	11.8	11.8	11.8
65°	10.1	10.1	10.1	10.1	10.1
67.5°	10.1	10.1	10.1	10.1	10.1
70°	8.4	8.4	8.4	8.4	8.4
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.1	5.1	5.1	5.1	6.8
77.5°	5.1	5.1	5.1	5.1	5.1
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
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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