

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: P760991

Luminaire Tested: LD6D15D010-EU6DR1515309040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760991
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: LD6D15D010-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: 1441.2 lumens
Efficiency: N/A
Efficacy: 91.2 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): 15.8
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



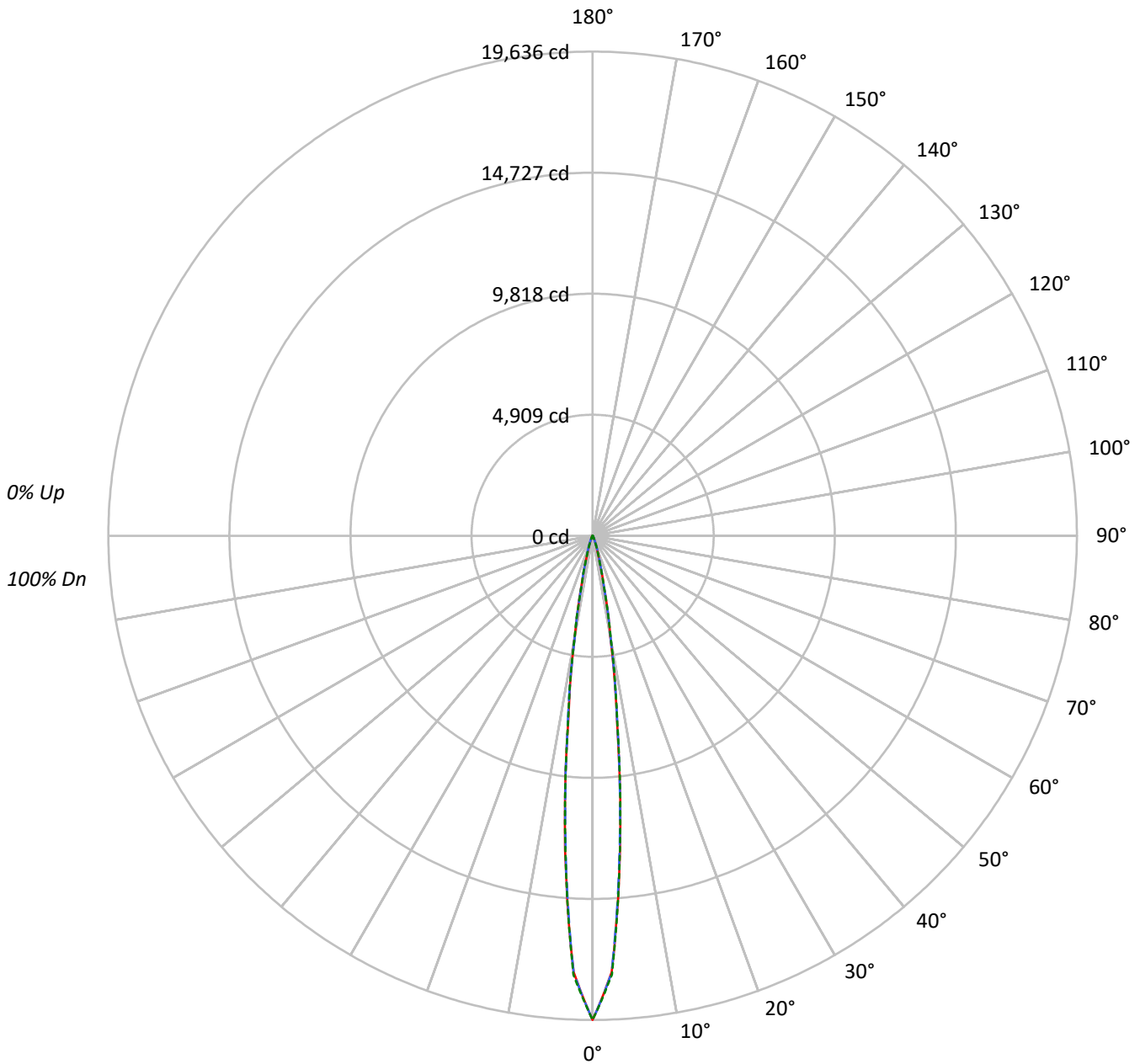
Downlight



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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	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°	2209442	2209442	2209442
5°	1298370	1281561	1291693
10°	387506	390222	396193
15°	96385	98261	95230
20°	28843	33392	29448
25°	10166	12955	10298
30°	3737	4920	3796
35°	1874	2113	1808
40°	1179	1300	1179
45°	875	931	875
50°	695	695	695
55°	578	578	578
60°	470	470	470
65°	357	357	357
70°	307	307	307
75°	189	189	249
80°	134	134	134
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	934.7	64.9
10°-20°	384.5	26.7
20°-30°	76.4	5.3
30°-40°	19.1	1.3
40°-50°	10.0	0.7
50°-60°	7.4	0.5
60°-70°	5.3	0.4
70°-80°	3.0	0.2
80°-90°	0.9	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°	1395.5	96.8
0°-40°	1414.6	98.2
0°-60°	1432.1	99.4
0°-90°	1441.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1441.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19636	19636	19636	19636	19636	
5°	12776	12644	12610	12698	12710	933
15°	1110	1130	1131	1111	1096	380
25°	130	148	166	147	132	69
35°	26	27	29	27	25	18
45°	12	12	13	12	12	10
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19636.0	19636.0	19636.0	19636.0	19636.0
2.5°	17712.4	17727.4	17733.2	17750.7	17815.5
5°	12775.6	12644.3	12610.2	12697.5	12709.9
7.5°	7567.8	7594.4	7691.6	7713.2	7635.1
10°	4153.0	4187.0	4182.1	4212.0	4246.1
12.5°	2123.9	2097.3	2088.9	2123.0	2075.6
15°	1109.7	1130.5	1131.3	1111.4	1096.4
17.5°	596.8	620.9	660.8	628.4	578.6
20°	352.5	374.1	408.1	381.5	359.9
22.5°	217.8	235.2	259.4	238.6	221.1
25°	130.5	148.0	166.3	147.1	132.2
27.5°	77.3	92.3	103.9	91.4	76.5
30°	49.9	58.2	65.7	57.4	50.7
32.5°	34.9	38.2	41.6	38.2	34.9
35°	25.8	27.4	29.1	27.4	24.9
37.5°	20.0	21.6	22.4	20.8	19.1
40°	16.6	17.5	18.3	17.5	16.6
42.5°	14.1	15.0	15.0	15.0	14.1
45°	12.5	12.5	13.3	12.5	12.5
47.5°	10.8	10.8	11.6	10.8	10.8
50°	10.0	10.0	10.0	10.0	10.0
52.5°	9.1	9.1	9.1	9.1	9.1
55°	8.3	8.3	8.3	8.3	8.3
57.5°	7.5	7.5	7.5	7.5	7.5
60°	6.7	6.7	6.7	6.7	6.7
62.5°	5.8	5.8	5.8	5.8	5.8
65°	5.0	5.0	5.0	5.0	5.0
67.5°	5.0	5.0	5.0	5.0	5.0
70°	4.2	4.2	4.2	4.2	4.2
72.5°	3.3	3.3	3.3	3.3	3.3
75°	2.5	2.5	2.5	2.5	3.3
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.8	0.8	0.8	0.8	0.8
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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