

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: P759968

Luminaire Tested: LD6D10D010-EU6DR150210IC9035-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759968
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: LD6D10D010-EU6DR150210IC9035-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1043.6 lumens
Efficiency: N/A
Efficacy: 89.2 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): 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



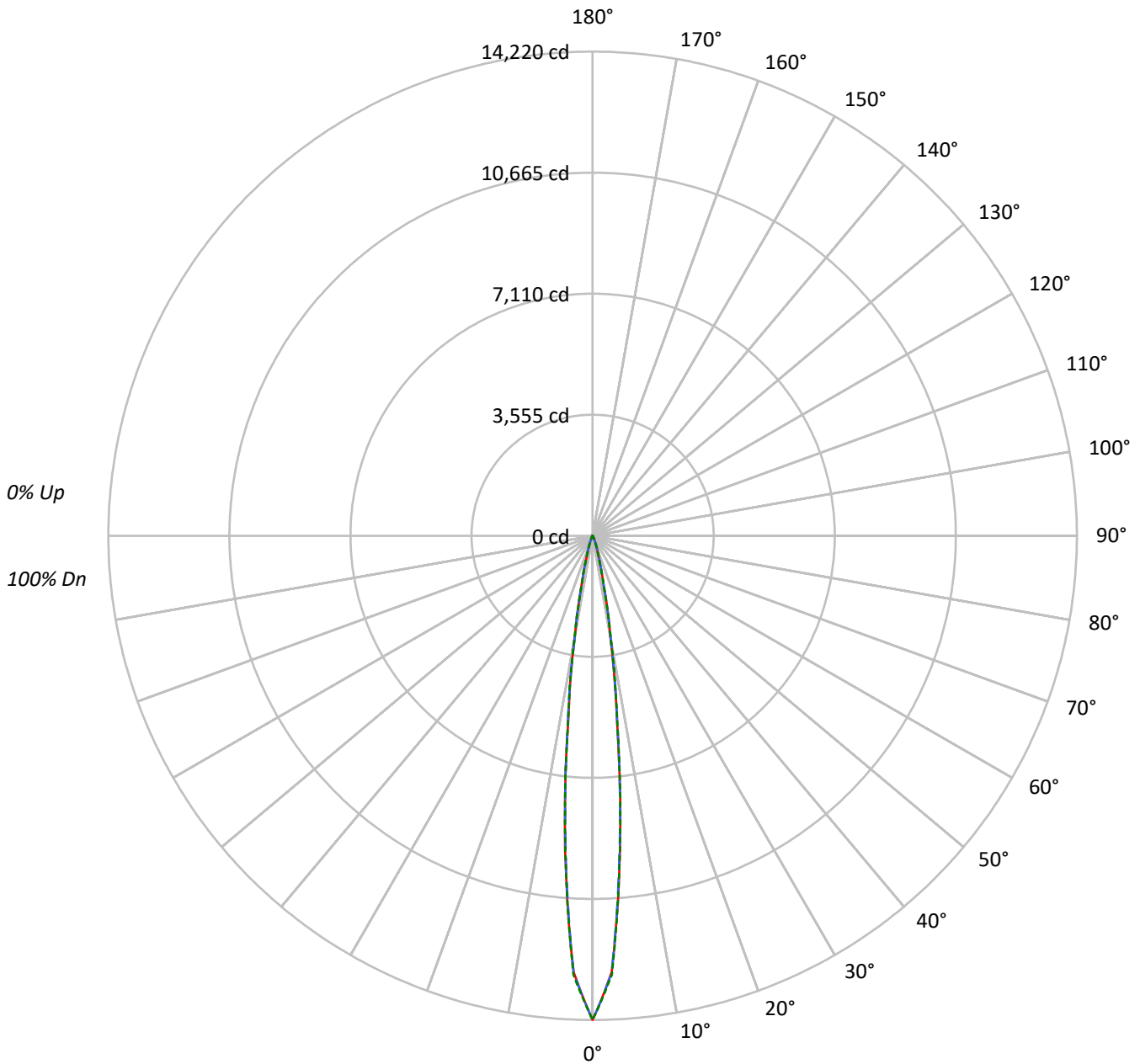
Downlight



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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									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	99	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°	1600034	1600034	1600034
5°	940250	928075	935423
10°	280623	282591	286912
15°	69798	71162	68964
20°	20881	24187	21331
25°	7362	9379	7455
30°	2703	3564	2748
35°	1358	1532	1314
40°	852	937	852
45°	630	672	630
50°	501	501	501
55°	418	418	418
60°	337	337	337
65°	257	257	257
70°	219	219	219
75°	136	136	181
80°	95	95	95
85°	50	50	50

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 672 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	676.9	64.9
10°-20°	278.4	26.7
20°-30°	55.3	5.3
30°-40°	13.8	1.3
40°-50°	7.2	0.7
50°-60°	5.4	0.5
60°-70°	3.8	0.4
70°-80°	2.2	0.2
80°-90°	0.7	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°	1010.6	96.8
0°-40°	1024.4	98.2
0°-60°	1037.0	99.4
0°-90°	1043.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1043.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14220	14220	14220	14220	14220	
5°	9252	9157	9132	9195	9204	676
15°	804	819	819	805	794	276
25°	94	107	120	107	96	50
35°	19	20	21	20	18	13
45°	9	9	10	9	9	7
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
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°	14220.0	14220.0	14220.0	14220.0	14220.0
2.5°	12827.0	12837.8	12842.0	12854.7	12901.6
5°	9251.8	9156.7	9132.0	9195.2	9204.3
7.5°	5480.4	5499.7	5570.1	5585.8	5529.2
10°	3007.5	3032.2	3028.6	3050.2	3074.9
12.5°	1538.1	1518.8	1512.8	1537.5	1503.1
15°	803.6	818.7	819.3	804.8	794.0
17.5°	432.2	449.7	478.6	455.1	419.0
20°	255.2	270.9	295.6	276.3	260.7
22.5°	157.7	170.4	187.8	172.8	160.1
25°	94.5	107.2	120.4	106.6	95.7
27.5°	56.0	66.8	75.2	66.2	55.4
30°	36.1	42.1	47.6	41.5	36.7
32.5°	25.3	27.7	30.1	27.7	25.3
35°	18.7	19.9	21.1	19.9	18.1
37.5°	14.4	15.7	16.3	15.0	13.8
40°	12.0	12.6	13.2	12.6	12.0
42.5°	10.2	10.8	10.8	10.8	10.2
45°	9.0	9.0	9.6	9.0	9.0
47.5°	7.8	7.8	8.4	7.8	7.8
50°	7.2	7.2	7.2	7.2	7.2
52.5°	6.6	6.6	6.6	6.6	6.6
55°	6.0	6.0	6.0	6.0	6.0
57.5°	5.4	5.4	5.4	5.4	5.4
60°	4.8	4.8	4.8	4.8	4.8
62.5°	4.2	4.2	4.2	4.2	4.2
65°	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	3.0	3.0	3.0	3.0	3.0
72.5°	2.4	2.4	2.4	2.4	2.4
75°	1.8	1.8	1.8	1.8	2.4
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6
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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