

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: P759991

Luminaire Tested: LD6D10D010-EU6DR150210IC9040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759991
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-EU6DR150210IC9040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF 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: 1034.4 lumens
Efficiency: N/A
Efficacy: 88.4 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



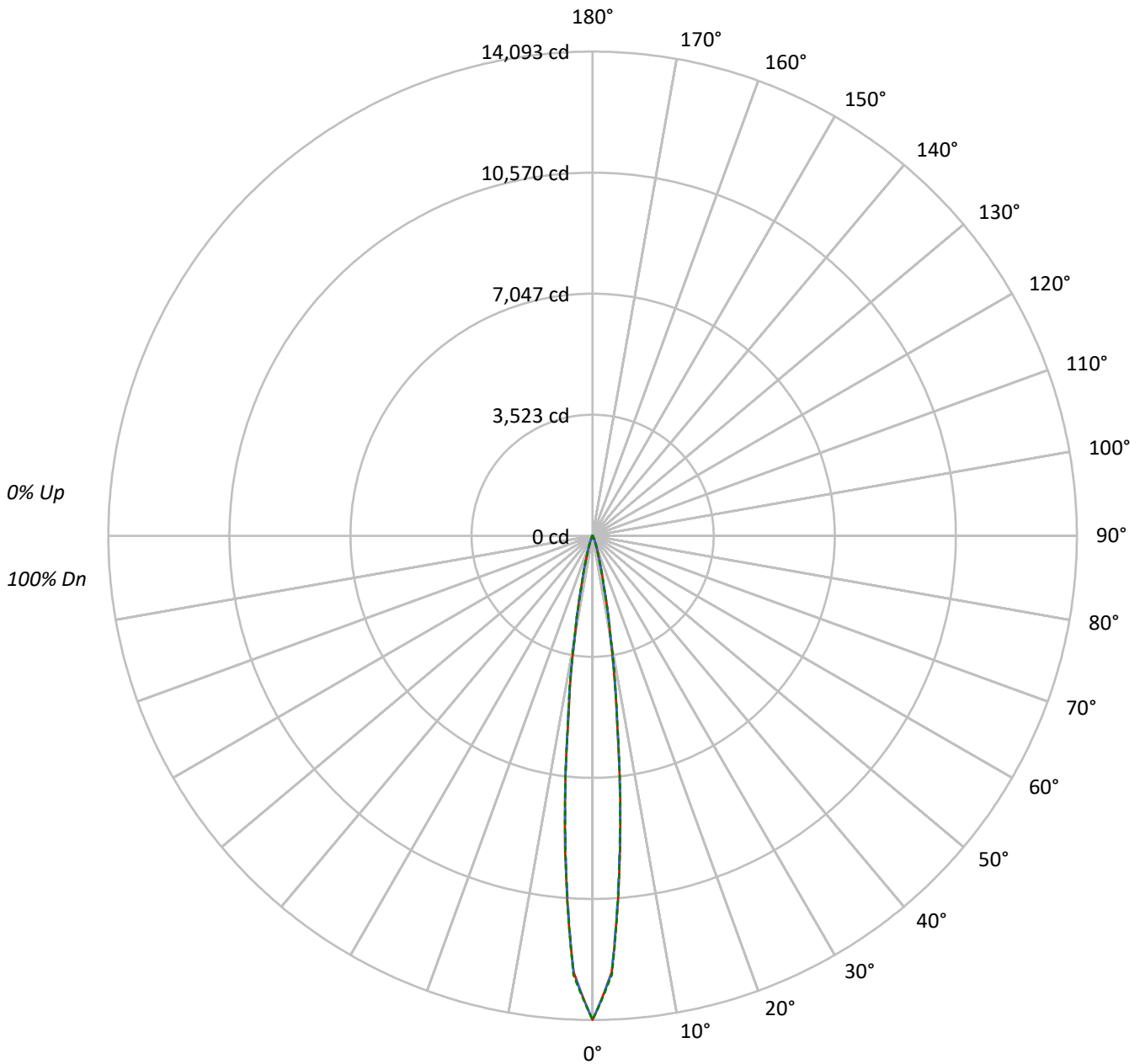
Downlight



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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	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°	1585744	1585744	1585744
5°	931856	919792	927069
10°	278113	280063	284355
15°	69181	70528	68348
20°	20701	23966	21135
25°	7299	9294	7393
30°	2681	3527	2726
35°	1343	1518	1300
40°	845	930	845
45°	623	665	623
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: 665 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	670.9	64.9
10°-20°	275.9	26.7
20°-30°	54.8	5.3
30°-40°	13.7	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°	1001.6	96.8
0°-40°	1015.3	98.1
0°-60°	1027.8	99.4
0°-90°	1034.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1034.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14093	14093	14093	14093	14093	
5°	9169	9075	9050	9113	9122	670
15°	796	811	812	798	787	273
25°	94	106	119	106	95	49
35°	18	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°	14093.0	14093.0	14093.0	14093.0	14093.0
2.5°	12712.4	12723.2	12727.3	12739.9	12786.4
5°	9169.2	9074.9	9050.5	9113.1	9122.1
7.5°	5431.5	5450.6	5520.4	5535.9	5479.8
10°	2980.6	3005.1	3001.5	3023.0	3047.5
12.5°	1524.3	1505.2	1499.3	1523.7	1489.7
15°	796.5	811.4	812.0	797.7	786.9
17.5°	428.4	445.7	474.3	451.0	415.2
20°	253.0	268.5	292.9	273.8	258.3
22.5°	156.3	168.8	186.1	171.2	158.7
25°	93.7	106.2	119.3	105.6	94.9
27.5°	55.5	66.2	74.6	65.6	54.9
30°	35.8	41.8	47.1	41.2	36.4
32.5°	25.1	27.4	29.8	27.4	25.1
35°	18.5	19.7	20.9	19.7	17.9
37.5°	14.3	15.5	16.1	14.9	13.7
40°	11.9	12.5	13.1	12.5	11.9
42.5°	10.1	10.7	10.7	10.7	10.1
45°	8.9	8.9	9.5	8.9	8.9
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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