

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: P759929

Luminaire Tested: LD6D10D010-EU6DR150210IC9024-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759929
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-EU6DR150210IC9024-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 862.6 lumens
Efficiency: N/A
Efficacy: 73.7 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 (A_{in}): 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



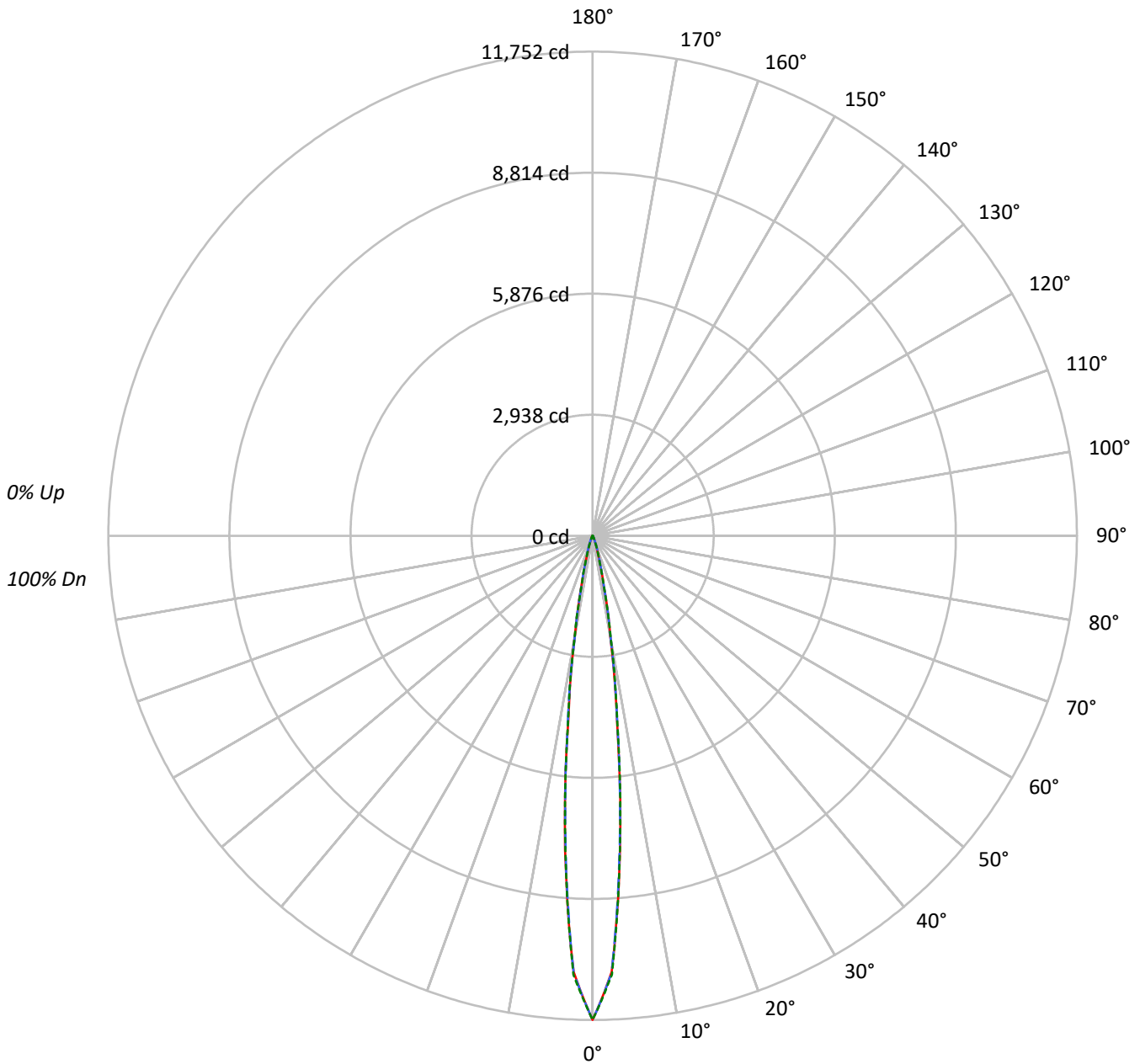
Downlight



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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°	1322301	1322301	1322301
5°	777044	766983	773050
10°	231916	233540	237113
15°	57682	58811	56995
20°	17256	19989	17625
25°	6084	7751	6162
30°	2231	2943	2269
35°	1118	1264	1082
40°	703	774	703
45°	525	560	525
50°	417	417	417
55°	348	348	348
60°	281	281	281
65°	214	214	214
70°	183	183	183
75°	113	113	151
80°	79	79	79
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 560 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.4	64.9
10°-20°	230.1	26.7
20°-30°	45.7	5.3
30°-40°	11.4	1.3
40°-50°	6.0	0.7
50°-60°	4.5	0.5
60°-70°	3.2	0.4
70°-80°	1.8	0.2
80°-90°	0.5	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°	835.2	96.8
0°-40°	846.6	98.1
0°-60°	857.1	99.4
0°-90°	862.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	862.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11752	11752	11752	11752	11752	
5°	7646	7567	7547	7599	7607	558
15°	664	677	677	665	656	228
25°	78	89	100	88	79	41
35°	15	16	17	16	15	10
45°	8	8	8	8	8	6
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11751.7	11751.7	11751.7	11751.7	11751.7
2.5°	10600.5	10609.4	10612.9	10623.4	10662.2
5°	7645.9	7567.3	7546.9	7599.1	7606.6
7.5°	4529.1	4545.1	4603.3	4616.2	4569.4
10°	2485.5	2505.8	2502.9	2520.8	2541.2
12.5°	1271.1	1255.2	1250.2	1270.6	1242.2
15°	664.1	676.6	677.1	665.1	656.2
17.5°	357.2	371.6	395.5	376.1	346.3
20°	210.9	223.9	244.3	228.3	215.4
22.5°	130.3	140.8	155.2	142.8	132.3
25°	78.1	88.6	99.5	88.1	79.1
27.5°	46.3	55.2	62.2	54.7	45.8
30°	29.8	34.8	39.3	34.3	30.3
32.5°	20.9	22.9	24.9	22.9	20.9
35°	15.4	16.4	17.4	16.4	14.9
37.5°	11.9	12.9	13.4	12.4	11.4
40°	9.9	10.4	10.9	10.4	9.9
42.5°	8.5	9.0	9.0	9.0	8.5
45°	7.5	7.5	8.0	7.5	7.5
47.5°	6.5	6.5	7.0	6.5	6.5
50°	6.0	6.0	6.0	6.0	6.0
52.5°	5.5	5.5	5.5	5.5	5.5
55°	5.0	5.0	5.0	5.0	5.0
57.5°	4.5	4.5	4.5	4.5	4.5
60°	4.0	4.0	4.0	4.0	4.0
62.5°	3.5	3.5	3.5	3.5	3.5
65°	3.0	3.0	3.0	3.0	3.0
67.5°	3.0	3.0	3.0	3.0	3.0
70°	2.5	2.5	2.5	2.5	2.5
72.5°	2.0	2.0	2.0	2.0	2.0
75°	1.5	1.5	1.5	1.5	2.0
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
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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