

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: P760977

Luminaire Tested: LD6D15D010-EU6DR1515309030-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760977
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-EU6DR1515309030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1281.2 lumens
Efficiency: N/A
Efficacy: 81.1 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



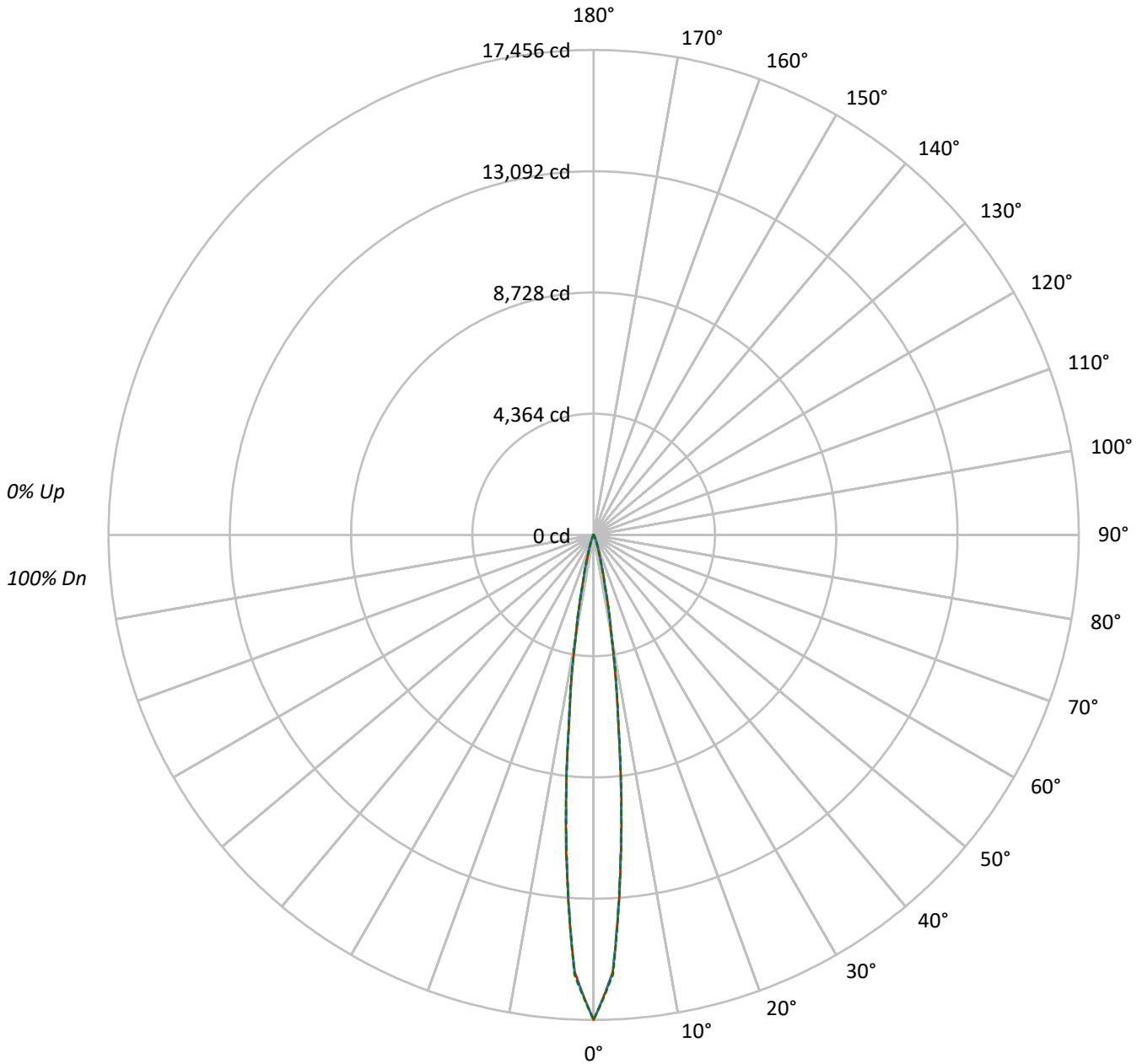
Downlight



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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	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°	1964103	1964103	1964103
5°	1154199	1139260	1148274
10°	344473	346890	352199
15°	85684	87352	84659
20°	25635	29685	26183
25°	9036	11514	9153
30°	3317	4373	3377
35°	1663	1881	1612
40°	1051	1158	1051
45°	777	826	777
50°	619	619	619
55°	515	515	515
60°	414	414	414
65°	314	314	314
70°	271	271	271
75°	166	166	227
80°	118	118	118
85°	58	58	58

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 826 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	830.9	64.9
10°-20°	341.8	26.7
20°-30°	67.9	5.3
30°-40°	16.9	1.3
40°-50°	8.9	0.7
50°-60°	6.6	0.5
60°-70°	4.7	0.4
70°-80°	2.7	0.2
80°-90°	0.8	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°	1240.6	96.8
0°-40°	1257.5	98.2
0°-60°	1273.1	99.4
0°-90°	1281.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1281.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17456	17456	17456	17456	17456	
5°	11357	11240	11210	11288	11299	829
15°	986	1005	1006	988	975	338
25°	116	132	148	131	118	61
35°	23	24	26	24	22	16
45°	11	11	12	11	11	9
55°	7	7	7	7	7	7
65°	4	4	4	4	4	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°	17455.6	17455.6	17455.6	17455.6	17455.6
2.5°	15745.7	15759.0	15764.2	15779.7	15837.3
5°	11357.0	11240.3	11210.0	11287.6	11298.7
7.5°	6727.5	6751.1	6837.6	6856.8	6787.3
10°	3691.8	3722.1	3717.7	3744.3	3774.6
12.5°	1888.0	1864.4	1857.0	1887.3	1845.2
15°	986.5	1005.0	1005.7	988.0	974.7
17.5°	530.6	552.0	587.5	558.7	514.3
20°	313.3	332.5	362.8	339.2	320.0
22.5°	193.6	209.1	230.6	212.1	196.6
25°	116.0	131.5	147.8	130.8	117.5
27.5°	68.7	82.0	92.4	81.3	68.0
30°	44.3	51.7	58.4	51.0	45.1
32.5°	31.0	34.0	36.9	34.0	31.0
35°	22.9	24.4	25.9	24.4	22.2
37.5°	17.7	19.2	20.0	18.5	17.0
40°	14.8	15.5	16.3	15.5	14.8
42.5°	12.6	13.3	13.3	13.3	12.6
45°	11.1	11.1	11.8	11.1	11.1
47.5°	9.6	9.6	10.3	9.6	9.6
50°	8.9	8.9	8.9	8.9	8.9
52.5°	8.1	8.1	8.1	8.1	8.1
55°	7.4	7.4	7.4	7.4	7.4
57.5°	6.7	6.7	6.7	6.7	6.7
60°	5.9	5.9	5.9	5.9	5.9
62.5°	5.2	5.2	5.2	5.2	5.2
65°	4.4	4.4	4.4	4.4	4.4
67.5°	4.4	4.4	4.4	4.4	4.4
70°	3.7	3.7	3.7	3.7	3.7
72.5°	3.0	3.0	3.0	3.0	3.0
75°	2.2	2.2	2.2	2.2	3.0
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7
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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