

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: P763819

Luminaire Tested: LD6D30D010-EU6DR1515309027-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763819
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: LD6D30D010-EU6DR1515309027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2694.3 lumens
Efficiency: N/A
Efficacy: 92.9 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): 29
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



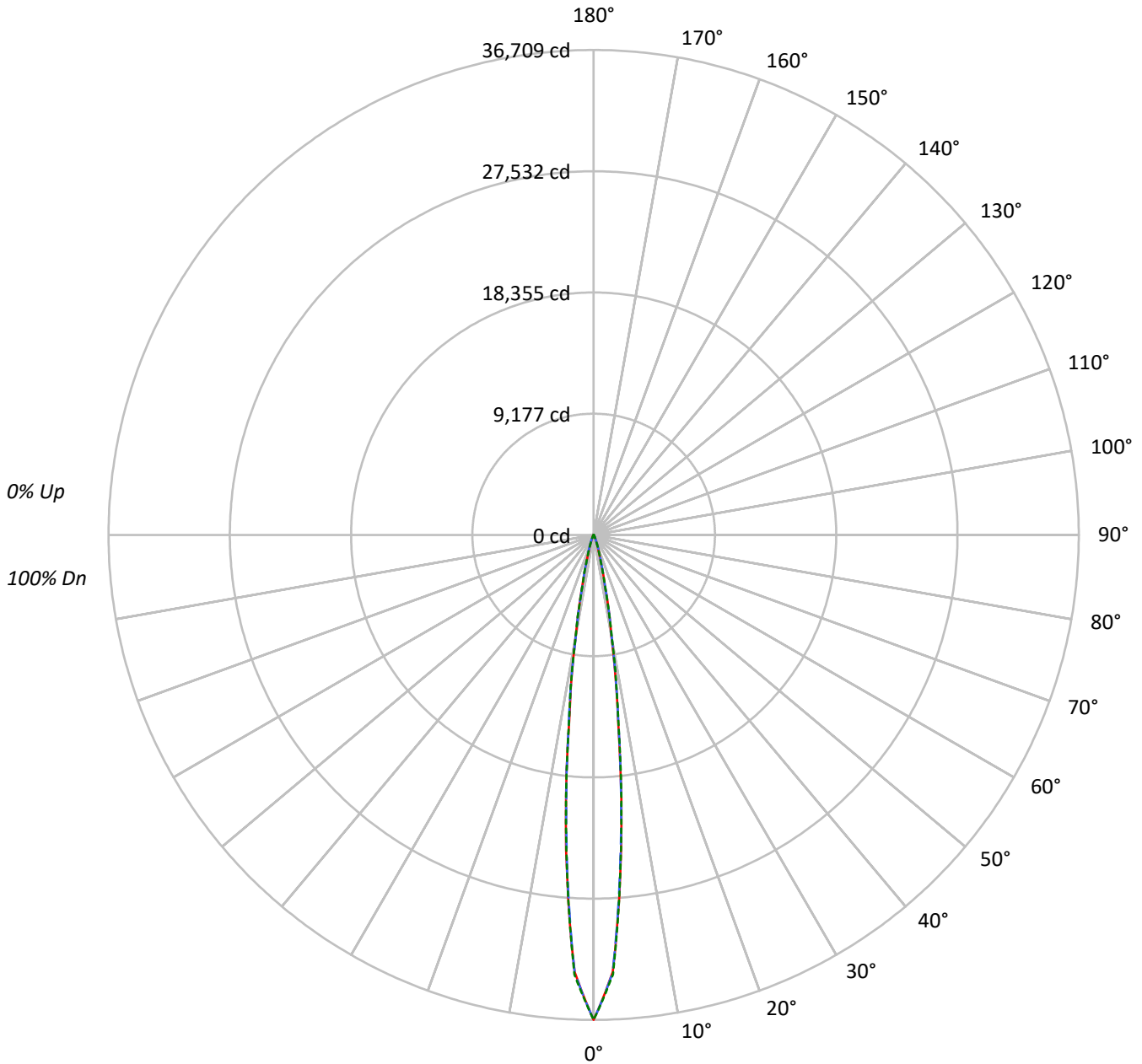
Downlight



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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°	4130540	4130540	4130540
5°	2427305	2395871	2414825
10°	724440	729507	740676
15°	180193	183702	178039
20°	53913	62431	55059
25°	19008	24212	19249
30°	6979	9195	7099
35°	3500	3950	3384
40°	2209	2429	2209
45°	1631	1743	1631
50°	1293	1293	1293
55°	1079	1079	1079
60°	871	871	871
65°	664	664	664
70°	570	570	570
75°	355	355	469
80°	244	244	244
85°	133	133	133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1743 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1747.4	64.9
10°-20°	718.8	26.7
20°-30°	142.8	5.3
30°-40°	35.6	1.3
40°-50°	18.7	0.7
50°-60°	13.9	0.5
60°-70°	9.8	0.4
70°-80°	5.6	0.2
80°-90°	1.7	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°	2609.0	96.8
0°-40°	2644.6	98.2
0°-60°	2677.2	99.4
0°-90°	2694.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2694.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36709	36709	36709	36709	36709	
5°	23884	23638	23575	23738	23761	1744
15°	2075	2114	2115	2078	2050	711
25°	244	277	311	275	247	128
35°	48	51	54	51	47	33
45°	23	23	25	23	23	18
55°	16	16	16	16	16	14
65°	9	9	9	9	9	10
75°	5	5	5	5	6	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	36709.4	36709.4	36709.4	36709.4	36709.4
2.5°	33113.4	33141.3	33152.2	33184.9	33306.1
5°	23884.0	23638.4	23574.7	23737.9	23761.2
7.5°	14147.9	14197.7	14379.5	14419.9	14273.8
10°	7764.0	7827.7	7818.3	7874.3	7938.0
12.5°	3970.6	3920.8	3905.3	3969.0	3880.4
15°	2074.6	2113.5	2115.0	2077.7	2049.8
17.5°	1115.8	1160.9	1235.5	1174.9	1081.6
20°	658.9	699.3	763.0	713.3	672.9
22.5°	407.2	439.8	484.9	446.0	413.4
25°	244.0	276.6	310.8	275.1	247.1
27.5°	144.5	172.5	194.3	170.9	143.0
30°	93.2	108.8	122.8	107.2	94.8
32.5°	65.3	71.5	77.7	71.5	65.3
35°	48.2	51.3	54.4	51.3	46.6
37.5°	37.3	40.4	42.0	38.9	35.7
40°	31.1	32.6	34.2	32.6	31.1
42.5°	26.4	28.0	28.0	28.0	26.4
45°	23.3	23.3	24.9	23.3	23.3
47.5°	20.2	20.2	21.8	20.2	20.2
50°	18.6	18.6	18.6	18.6	18.6
52.5°	17.1	17.1	17.1	17.1	17.1
55°	15.5	15.5	15.5	15.5	15.5
57.5°	14.0	14.0	14.0	14.0	14.0
60°	12.4	12.4	12.4	12.4	12.4
62.5°	10.9	10.9	10.9	10.9	10.9
65°	9.3	9.3	9.3	9.3	9.3
67.5°	9.3	9.3	9.3	9.3	9.3
70°	7.8	7.8	7.8	7.8	7.8
72.5°	6.2	6.2	6.2	6.2	6.2
75°	4.7	4.7	4.7	4.7	6.2
77.5°	4.7	4.7	4.7	4.7	4.7
80°	3.1	3.1	3.1	3.1	3.1
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.6	1.6	1.6	1.6	1.6
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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