

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P763833

Luminaire Tested: LD6D30D010-EU6DR1515309030-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763833
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-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: 2923.7 lumens
Efficiency: N/A
Efficacy: 100.8 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



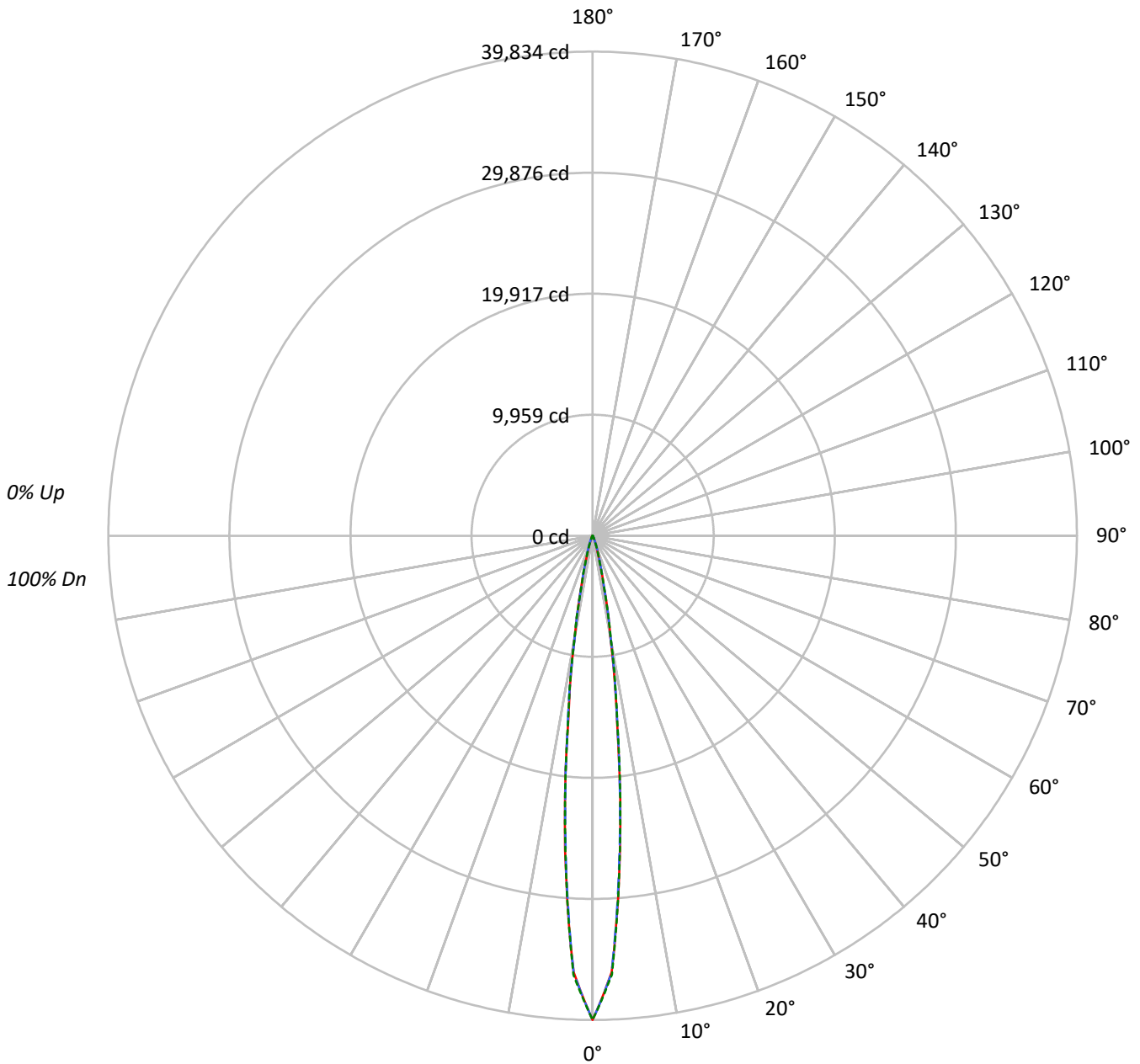
Downlight



TEST NUMBER: P763833

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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4482153	4482153	4482153
5°	2633926	2599820	2620389
10°	786107	791612	803724
15°	195532	199345	193196
20°	58503	67749	59747
25°	20628	26276	20885
30°	7578	9974	7705
35°	3798	4285	3675
40°	2393	2635	2393
45°	1771	1890	1771
50°	1405	1405	1405
55°	1176	1176	1176
60°	948	948	948
65°	721	721	721
70°	614	614	614
75°	385	385	506
80°	268	268	268
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1890 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1896.2	64.9
10°-20°	780.0	26.7
20°-30°	154.9	5.3
30°-40°	38.7	1.3
40°-50°	20.3	0.7
50°-60°	15.1	0.5
60°-70°	10.6	0.4
70°-80°	6.1	0.2
80°-90°	1.8	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°	2831.1	96.8
0°-40°	2869.7	98.2
0°-60°	2905.1	99.4
0°-90°	2923.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2923.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	39834	39834	39834	39834	39834	
5°	25917	25651	25582	25759	25784	1893
15°	2251	2293	2295	2255	2224	772
25°	265	300	337	298	268	139
35°	52	56	59	56	51	35
45°	25	25	27	25	25	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	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°	39834.3	39834.3	39834.3	39834.3	39834.3
2.5°	35932.1	35962.5	35974.3	36009.7	36141.2
5°	25917.1	25650.6	25581.5	25758.6	25783.9
7.5°	15352.3	15406.2	15603.5	15647.4	15488.9
10°	8424.9	8494.0	8483.9	8544.6	8613.7
12.5°	4308.6	4254.6	4237.7	4306.9	4210.7
15°	2251.2	2293.4	2295.1	2254.6	2224.3
17.5°	1210.8	1259.7	1340.6	1274.9	1173.7
20°	715.0	758.8	828.0	774.0	730.2
22.5°	441.8	477.2	526.1	484.0	448.6
25°	264.8	300.2	337.3	298.5	268.1
27.5°	156.8	187.2	210.8	185.5	155.1
30°	101.2	118.0	133.2	116.4	102.9
32.5°	70.8	77.6	84.3	77.6	70.8
35°	52.3	55.6	59.0	55.6	50.6
37.5°	40.5	43.8	45.5	42.2	38.8
40°	33.7	35.4	37.1	35.4	33.7
42.5°	28.7	30.4	30.4	30.4	28.7
45°	25.3	25.3	27.0	25.3	25.3
47.5°	21.9	21.9	23.6	21.9	21.9
50°	20.2	20.2	20.2	20.2	20.2
52.5°	18.5	18.5	18.5	18.5	18.5
55°	16.9	16.9	16.9	16.9	16.9
57.5°	15.2	15.2	15.2	15.2	15.2
60°	13.5	13.5	13.5	13.5	13.5
62.5°	11.8	11.8	11.8	11.8	11.8
65°	10.1	10.1	10.1	10.1	10.1
67.5°	10.1	10.1	10.1	10.1	10.1
70°	8.4	8.4	8.4	8.4	8.4
72.5°	6.7	6.7	6.7	6.7	6.7
75°	5.1	5.1	5.1	5.1	6.7
77.5°	5.1	5.1	5.1	5.1	5.1
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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