

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: P763836

Luminaire Tested: LD6D30D010-EU6DR1515309035-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763836
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-EU6DR1515309035-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3200.4 lumens
Efficiency: N/A
Efficacy: 110.4 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): 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

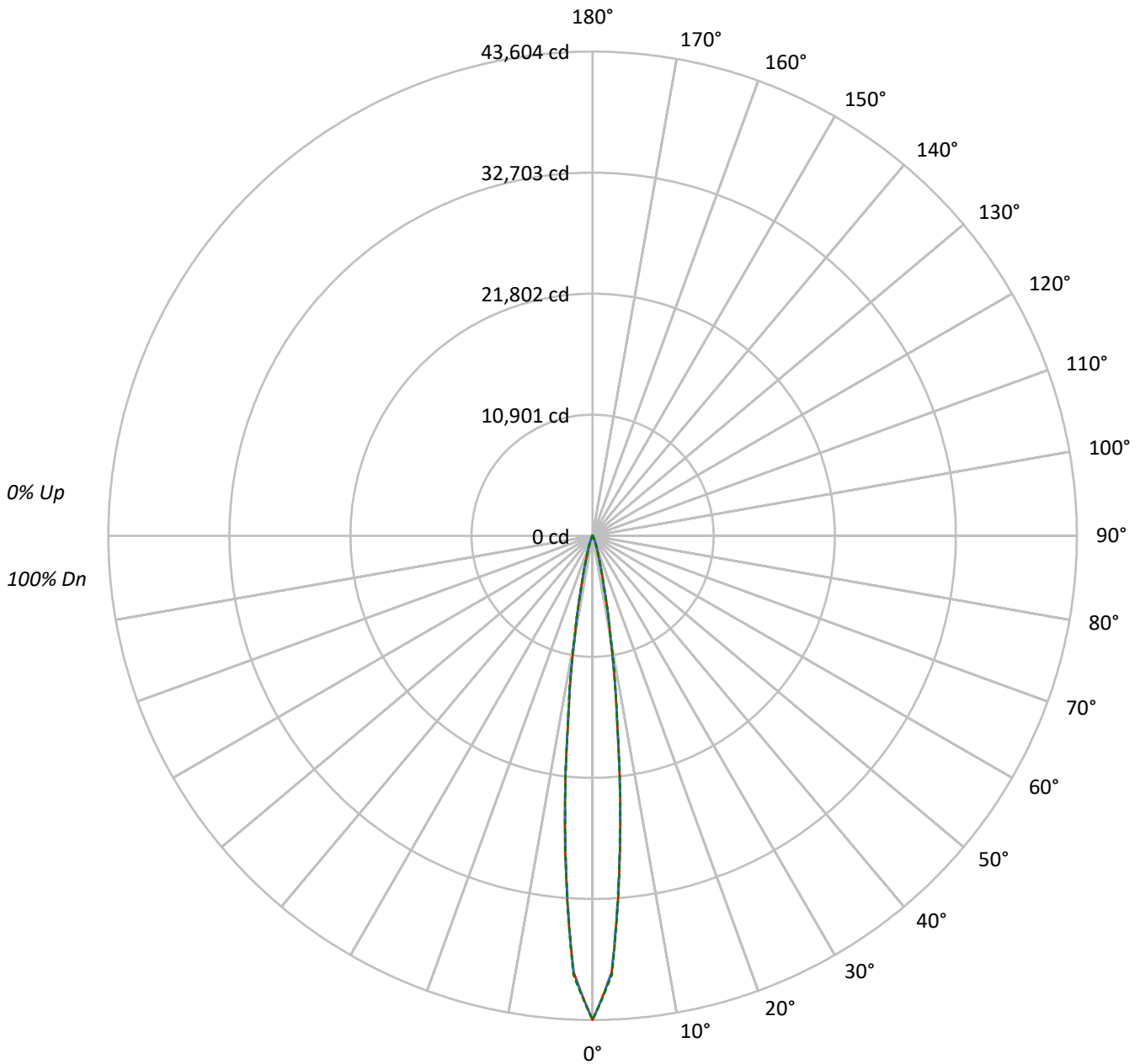


Downlight



TEST NUMBER: P763836
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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°	4906342	4906342	4906342
5°	2883202	2845863	2868374
10°	860501	866529	879788
15°	214041	218210	211479
20°	64043	74156	65401
25°	22576	28761	22864
30°	8297	10918	8432
35°	4154	4691	4023
40°	2620	2883	2620
45°	1939	2065	1939
50°	1544	1544	1544
55°	1288	1288	1288
60°	1039	1039	1039
65°	792	792	792
70°	673	673	673
75°	416	416	559
80°	292	292	292
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2065 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2075.6	64.9
10°-20°	853.8	26.7
20°-30°	169.6	5.3
30°-40°	42.3	1.3
40°-50°	22.3	0.7
50°-60°	16.5	0.5
60°-70°	11.7	0.4
70°-80°	6.6	0.2
80°-90°	2.0	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°	3099.0	96.8
0°-40°	3141.3	98.2
0°-60°	3180.1	99.4
0°-90°	3200.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3200.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	43604	43604	43604	43604	43604	
5°	28370	28078	28002	28196	28224	2072
15°	2464	2510	2512	2468	2435	845
25°	290	329	369	327	294	152
35°	57	61	65	61	55	39
45°	28	28	30	28	28	22
55°	18	18	18	18	18	17
65°	11	11	11	11	11	12
75°	6	6	6	6	7	7
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°	43604.2	43604.2	43604.2	43604.2	43604.2
2.5°	39332.7	39366.0	39378.9	39417.7	39561.6
5°	28369.9	28078.2	28002.5	28196.3	28224.0
7.5°	16805.2	16864.3	17080.2	17128.2	16954.7
10°	9222.2	9297.9	9286.8	9353.2	9428.9
12.5°	4716.3	4657.2	4638.8	4714.5	4609.2
15°	2464.3	2510.4	2512.3	2468.0	2434.8
17.5°	1325.4	1378.9	1467.5	1395.5	1284.8
20°	782.7	830.7	906.3	847.3	799.3
22.5°	483.6	522.4	575.9	529.8	491.0
25°	289.8	328.6	369.2	326.7	293.5
27.5°	171.7	204.9	230.7	203.1	169.8
30°	110.8	129.2	145.8	127.4	112.6
32.5°	77.5	84.9	92.3	84.9	77.5
35°	57.2	60.9	64.6	60.9	55.4
37.5°	44.3	48.0	49.8	46.1	42.5
40°	36.9	38.8	40.6	38.8	36.9
42.5°	31.4	33.2	33.2	33.2	31.4
45°	27.7	27.7	29.5	27.7	27.7
47.5°	24.0	24.0	25.8	24.0	24.0
50°	22.2	22.2	22.2	22.2	22.2
52.5°	20.3	20.3	20.3	20.3	20.3
55°	18.5	18.5	18.5	18.5	18.5
57.5°	16.6	16.6	16.6	16.6	16.6
60°	14.8	14.8	14.8	14.8	14.8
62.5°	12.9	12.9	12.9	12.9	12.9
65°	11.1	11.1	11.1	11.1	11.1
67.5°	11.1	11.1	11.1	11.1	11.1
70°	9.2	9.2	9.2	9.2	9.2
72.5°	7.4	7.4	7.4	7.4	7.4
75°	5.5	5.5	5.5	5.5	7.4
77.5°	5.5	5.5	5.5	5.5	5.5
80°	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.8	1.8	1.8	1.8	1.8
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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(END OF REPORT)