

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: P761937

Luminaire Tested: LD6D20D010-EU6DR1515309027-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761937
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: LD6D20D010-EU6DR1515309027-6LBCSSQMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1717.5 lumens
Efficiency: N/A
Efficacy: 74.4 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): 23.1
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

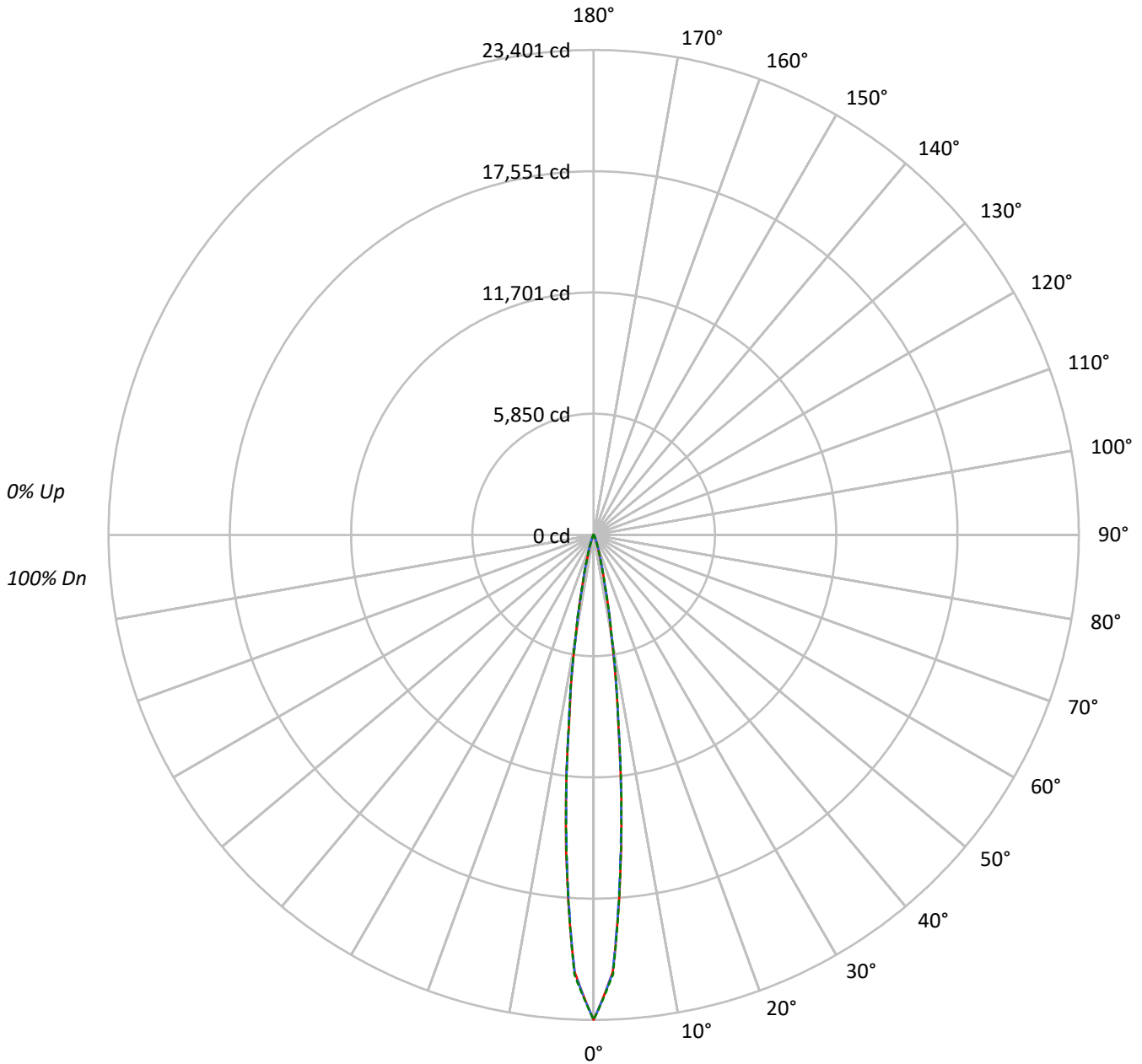


Downlight



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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	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°	2633068	2633068	2633068
5°	1547320	1527279	1539363
10°	461798	465036	472155
15°	114868	117109	113496
20°	34366	39799	35094
25°	12114	15432	12269
30°	4448	5863	4523
35°	2229	2520	2157
40°	1406	1548	1406
45°	1043	1113	1043
50°	827	827	827
55°	689	689	689
60°	555	555	555
65°	421	421	421
70°	366	366	366
75°	227	227	302
80°	158	158	158
85°	83	83	83

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1113 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1113.9	64.9
10°-20°	458.2	26.7
20°-30°	91.0	5.3
30°-40°	22.7	1.3
40°-50°	11.9	0.7
50°-60°	8.8	0.5
60°-70°	6.2	0.4
70°-80°	3.6	0.2
80°-90°	1.1	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°	1663.1	96.8
0°-40°	1685.8	98.2
0°-60°	1706.6	99.4
0°-90°	1717.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1717.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23401	23401	23401	23401	23401	
5°	15225	15069	15028	15132	15147	1112
15°	1322	1347	1348	1324	1307	453
25°	156	176	198	175	158	82
35°	31	33	35	33	30	21
45°	15	15	16	15	15	12
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
75°	3	3	3	3	4	4
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°	23400.9	23400.9	23400.9	23400.9	23400.9
2.5°	21108.6	21126.4	21133.4	21154.2	21231.4
5°	15225.2	15068.7	15028.0	15132.1	15146.9
7.5°	9018.8	9050.5	9166.4	9192.2	9099.0
10°	4949.2	4989.9	4983.9	5019.6	5060.2
12.5°	2531.1	2499.4	2489.5	2530.1	2473.6
15°	1322.5	1347.3	1348.3	1324.5	1306.7
17.5°	711.3	740.0	787.6	748.9	689.5
20°	420.0	445.8	486.4	454.7	428.9
22.5°	259.5	280.4	309.1	284.3	263.5
25°	155.5	176.3	198.1	175.3	157.5
27.5°	92.1	110.0	123.8	109.0	91.1
30°	59.4	69.3	78.3	68.4	60.4
32.5°	41.6	45.6	49.5	45.6	41.6
35°	30.7	32.7	34.7	32.7	29.7
37.5°	23.8	25.8	26.7	24.8	22.8
40°	19.8	20.8	21.8	20.8	19.8
42.5°	16.8	17.8	17.8	17.8	16.8
45°	14.9	14.9	15.9	14.9	14.9
47.5°	12.9	12.9	13.9	12.9	12.9
50°	11.9	11.9	11.9	11.9	11.9
52.5°	10.9	10.9	10.9	10.9	10.9
55°	9.9	9.9	9.9	9.9	9.9
57.5°	8.9	8.9	8.9	8.9	8.9
60°	7.9	7.9	7.9	7.9	7.9
62.5°	6.9	6.9	6.9	6.9	6.9
65°	5.9	5.9	5.9	5.9	5.9
67.5°	5.9	5.9	5.9	5.9	5.9
70°	5.0	5.0	5.0	5.0	5.0
72.5°	4.0	4.0	4.0	4.0	4.0
75°	3.0	3.0	3.0	3.0	4.0
77.5°	3.0	3.0	3.0	3.0	3.0
80°	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0
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



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Scaled Data Report





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

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