

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: P762924

Luminaire Tested: LD6D25D010-EU6DR1515309050-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762924
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: LD6D25D010-EU6DR1515309050-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2811.2 lumens
Efficiency: N/A
Efficacy: 112.0 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): 25.1
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



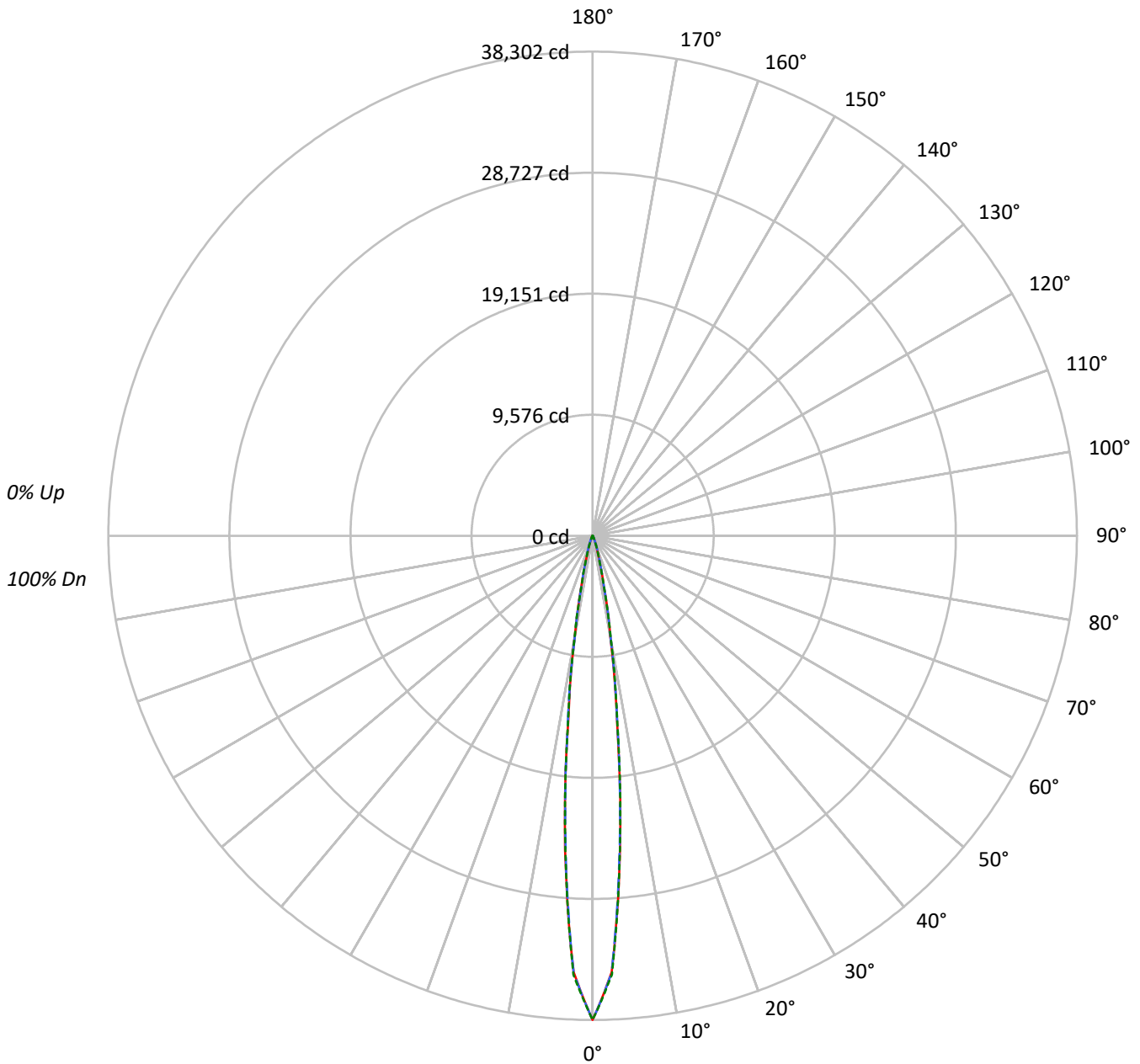
Downlight



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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°	4309750	4309750	4309750
5°	2532613	2499817	2519594
10°	755866	761166	772811
15°	188010	191676	185761
20°	56253	65139	57448
25°	19834	25263	20083
30°	7286	9592	7406
35°	3653	4125	3529
40°	2301	2535	2301
45°	1701	1813	1701
50°	1356	1356	1356
55°	1128	1128	1128
60°	913	913	913
65°	692	692	692
70°	592	592	592
75°	370	370	491
80°	252	252	252
85°	133	133	133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1813 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1823.3	64.9
10°-20°	750.0	26.7
20°-30°	149.0	5.3
30°-40°	37.2	1.3
40°-50°	19.6	0.7
50°-60°	14.5	0.5
60°-70°	10.2	0.4
70°-80°	5.8	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°	2722.2	96.8
0°-40°	2759.4	98.2
0°-60°	2793.4	99.4
0°-90°	2811.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2811.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38302	38302	38302	38302	38302	
5°	24920	24664	24598	24768	24792	1820
15°	2165	2205	2207	2168	2139	742
25°	255	289	324	287	258	134
35°	50	54	57	54	49	34
45°	24	24	26	24	24	19
55°	16	16	16	16	16	14
65°	10	10	10	10	10	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°	38302.1	38302.1	38302.1	38302.1	38302.1
2.5°	34550.0	34579.2	34590.6	34624.6	34751.1
5°	24920.2	24664.0	24597.5	24767.8	24792.1
7.5°	14761.8	14813.6	15003.4	15045.5	14893.1
10°	8100.8	8167.3	8157.6	8215.9	8282.4
12.5°	4142.8	4090.9	4074.7	4141.2	4048.8
15°	2164.6	2205.2	2206.8	2167.9	2138.7
17.5°	1164.2	1211.2	1289.1	1225.8	1128.5
20°	687.5	729.7	796.1	744.2	702.1
22.5°	424.8	458.9	505.9	465.4	431.3
25°	254.6	288.6	324.3	287.0	257.8
27.5°	150.8	180.0	202.7	178.4	149.2
30°	97.3	113.5	128.1	111.9	98.9
32.5°	68.1	74.6	81.1	74.6	68.1
35°	50.3	53.5	56.8	53.5	48.6
37.5°	38.9	42.2	43.8	40.5	37.3
40°	32.4	34.1	35.7	34.1	32.4
42.5°	27.6	29.2	29.2	29.2	27.6
45°	24.3	24.3	25.9	24.3	24.3
47.5°	21.1	21.1	22.7	21.1	21.1
50°	19.5	19.5	19.5	19.5	19.5
52.5°	17.8	17.8	17.8	17.8	17.8
55°	16.2	16.2	16.2	16.2	16.2
57.5°	14.6	14.6	14.6	14.6	14.6
60°	13.0	13.0	13.0	13.0	13.0
62.5°	11.4	11.4	11.4	11.4	11.4
65°	9.7	9.7	9.7	9.7	9.7
67.5°	9.7	9.7	9.7	9.7	9.7
70°	8.1	8.1	8.1	8.1	8.1
72.5°	6.5	6.5	6.5	6.5	6.5
75°	4.9	4.9	4.9	4.9	6.5
77.5°	4.9	4.9	4.9	4.9	4.9
80°	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	3.2	3.2
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

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Scaled Data Report





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

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