

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: P762963

Luminaire Tested: LD6D25D010-EU6DR2015309030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762963
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR2015309030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2808.2 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
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

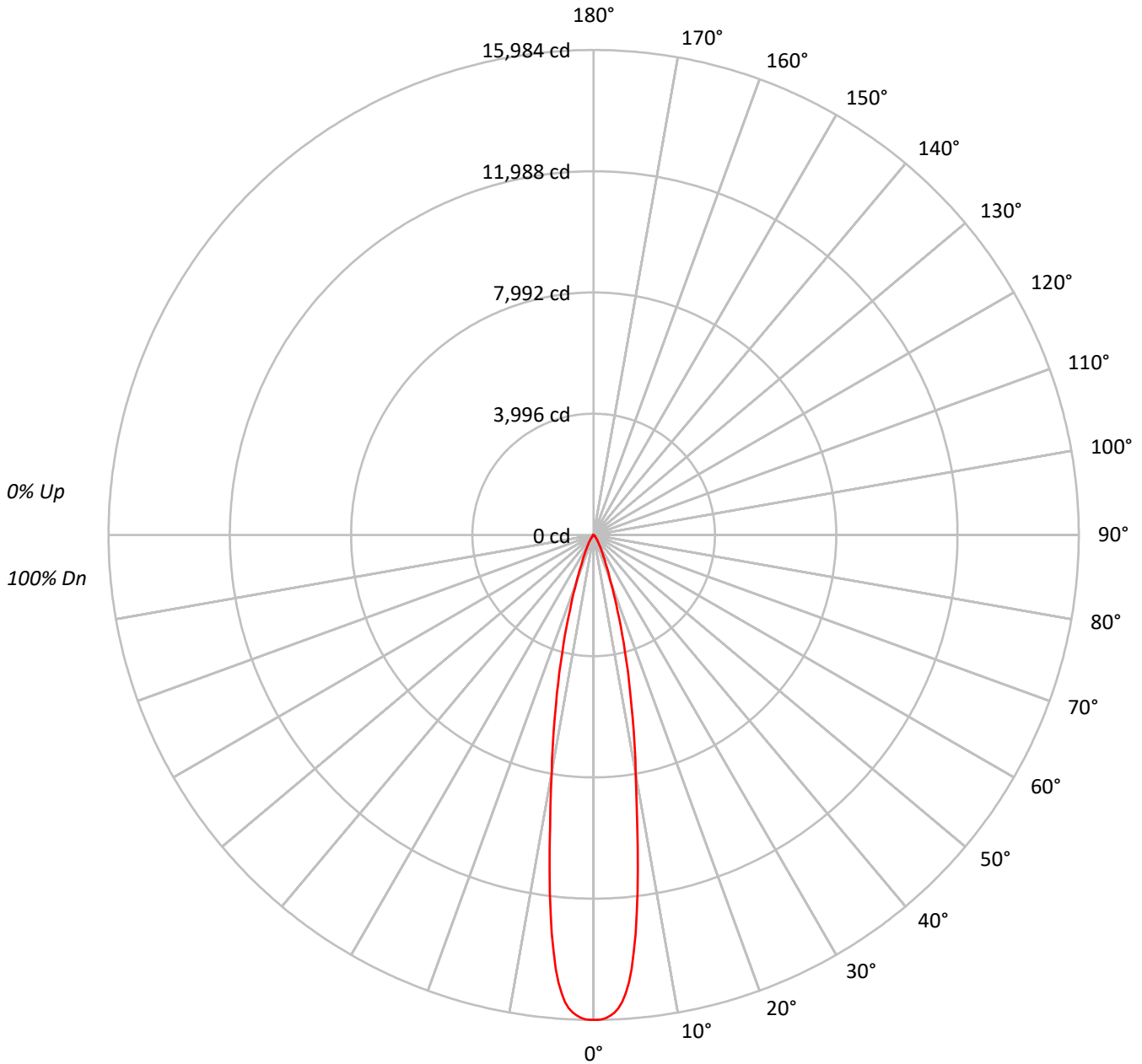


Downlight



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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				100															
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	98	97															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	96	95															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	98	96	95															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	96	94	93															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	94	92	91															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	91	89	88															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	89	87	86															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	87	85	84															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	85	83	82															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	83	81	80															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1746402
5°	1575581
10°	884297
15°	449508
20°	190315
25°	87849
30°	46504
35°	25063
40°	13393
45°	7911
50°	4589
55°	2438
60°	1552
65°	1112
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7911 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1138.0	40.5
10°-20°	1120.6	39.9
20°-30°	366.1	13.0
30°-40°	124.6	4.4
40°-50°	41.9	1.5
50°-60°	12.6	0.4
60°-70°	4.2	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	2624.7	93.5
0°-40°	2749.3	97.9
0°-60°	2803.8	99.8
0°-90°	2808.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2808.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15984	
5°	14366	###
15°	3974	1121
25°	729	366
35°	188	125
45°	51	42
55°	13	13
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15983.8
0.5°	15983.8
1°	15963.8
1.5°	15924.0
2°	15851.4
2.5°	15754.6
3°	15618.0
3.5°	15427.3
4°	15144.0
4.5°	14799.6
5°	14365.5
5.5°	13794.7
6°	13209.7
6.5°	12539.4
7°	11883.2
7.5°	11114.6
8°	10428.6
8.5°	9738.3
9°	9100.6
9.5°	8515.7
10°	7970.5
12.5°	5723.1
15°	3973.9
17.5°	2596.1
20°	1636.8
22.5°	1060.4
25°	728.7
27.5°	512.4
30°	368.6
32.5°	264.7
35°	187.9
37.5°	130.9
40°	93.9
42.5°	68.3
45°	51.2
47.5°	39.9
50°	27.0
52.5°	17.1
55°	12.8
57.5°	10.0
60°	7.1
62.5°	5.7
65°	4.3



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CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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Scaled Data Report





67.5°		2.8
70°		1.4

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(END OF REPORT)