

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: P762911

Luminaire Tested: LD6D25D010-EU6DR1515309040-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762911
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-EU6DR1515309040-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2844.7 lumens
Efficiency: N/A
Efficacy: 113.3 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

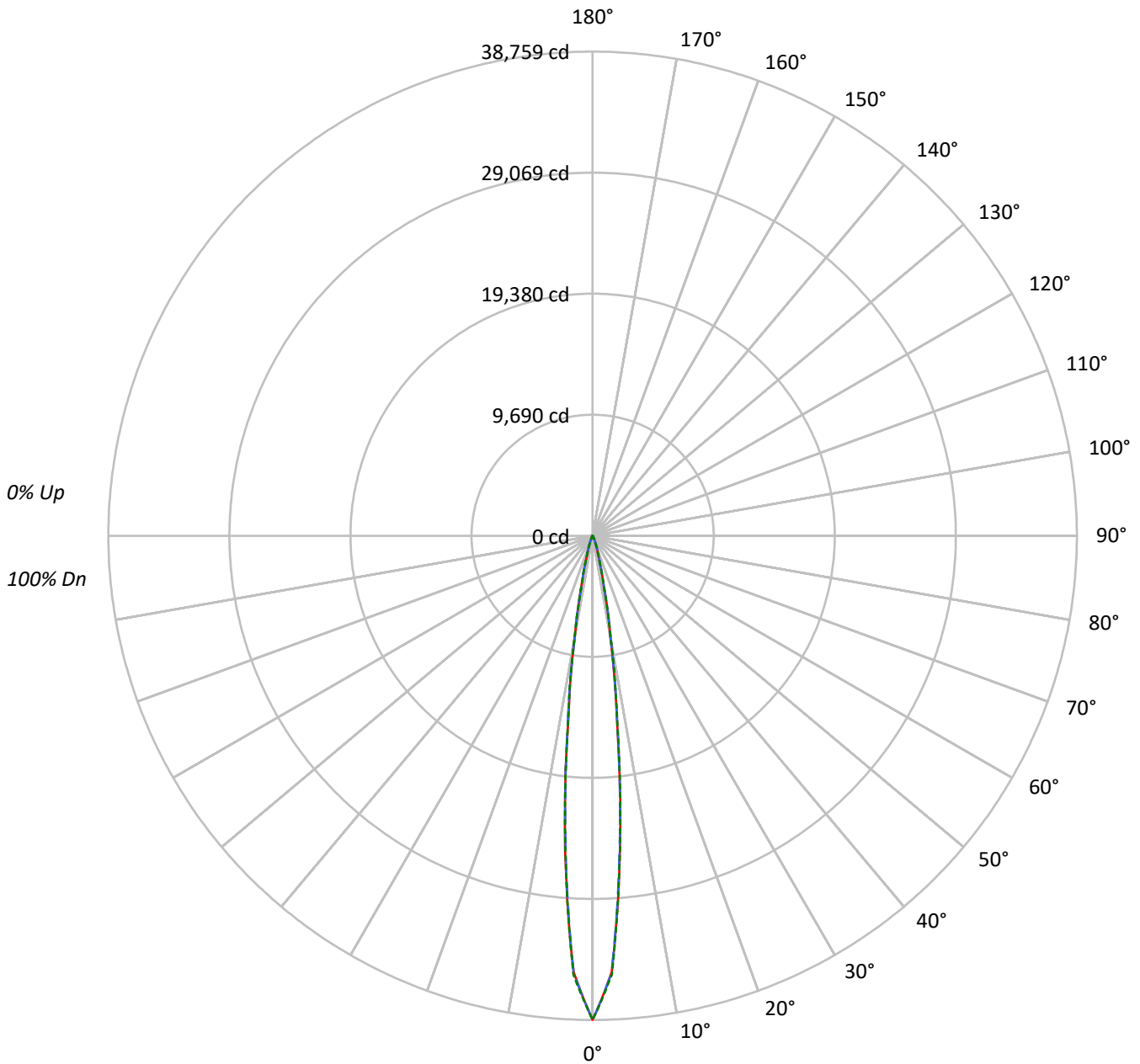


Downlight



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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					70					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°	4361172	4361172	4361172
5°	2562837	2529645	2549656
10°	764889	770245	782030
15°	190260	193960	187976
20°	56924	65916	58135
25°	20067	25567	20324
30°	7368	9705	7496
35°	3696	4168	3573
40°	2329	2564	2329
45°	1722	1841	1722
50°	1370	1370	1370
55°	1142	1142	1142
60°	920	920	920
65°	699	699	699
70°	600	600	600
75°	370	370	499
80°	260	260	260
85°	133	133	133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1841 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1845.0	64.9
10°-20°	758.9	26.7
20°-30°	150.7	5.3
30°-40°	37.6	1.3
40°-50°	19.8	0.7
50°-60°	14.7	0.5
60°-70°	10.3	0.4
70°-80°	5.9	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°	2754.7	96.8
0°-40°	2792.3	98.2
0°-60°	2826.7	99.4
0°-90°	2844.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2844.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38759	38759	38759	38759	38759	
5°	25218	24958	24891	25063	25088	1842
15°	2190	2232	2233	2194	2164	751
25°	258	292	328	290	261	135
35°	51	54	57	54	49	35
45°	25	25	26	25	25	19
55°	16	16	16	16	16	15
65°	10	10	10	10	10	10
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°	38759.1	38759.1	38759.1	38759.1	38759.1
2.5°	34962.3	34991.8	35003.3	35037.8	35165.8
5°	25217.6	24958.3	24891.0	25063.3	25087.9
7.5°	14937.9	14990.4	15182.4	15225.0	15070.8
10°	8197.5	8264.7	8254.9	8314.0	8381.2
12.5°	4192.3	4139.8	4123.3	4190.6	4097.1
15°	2190.5	2231.5	2233.1	2193.8	2164.2
17.5°	1178.1	1225.7	1304.4	1240.4	1142.0
20°	695.7	738.4	805.6	753.1	710.5
22.5°	429.9	464.3	511.9	470.9	436.5
25°	257.6	292.1	328.2	290.4	260.9
27.5°	152.6	182.1	205.1	180.5	151.0
30°	98.4	114.9	129.6	113.2	100.1
32.5°	68.9	75.5	82.0	75.5	68.9
35°	50.9	54.1	57.4	54.1	49.2
37.5°	39.4	42.7	44.3	41.0	37.7
40°	32.8	34.5	36.1	34.5	32.8
42.5°	27.9	29.5	29.5	29.5	27.9
45°	24.6	24.6	26.3	24.6	24.6
47.5°	21.3	21.3	23.0	21.3	21.3
50°	19.7	19.7	19.7	19.7	19.7
52.5°	18.0	18.0	18.0	18.0	18.0
55°	16.4	16.4	16.4	16.4	16.4
57.5°	14.8	14.8	14.8	14.8	14.8
60°	13.1	13.1	13.1	13.1	13.1
62.5°	11.5	11.5	11.5	11.5	11.5
65°	9.8	9.8	9.8	9.8	9.8
67.5°	9.8	9.8	9.8	9.8	9.8
70°	8.2	8.2	8.2	8.2	8.2
72.5°	6.6	6.6	6.6	6.6	6.6
75°	4.9	4.9	4.9	4.9	6.6
77.5°	4.9	4.9	4.9	4.9	4.9
80°	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	3.3	3.3
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

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

Scaled Data Report



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Scaled Data Report





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

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