

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: P762884

Luminaire Tested: LD6D25D010-EU6DR1515309027-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762884
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-EU6DR1515309027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2519.2 lumens
Efficiency: N/A
Efficacy: 100.4 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): 25.1
Input Voltage (V): NR
Input Current (A_{in}): 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



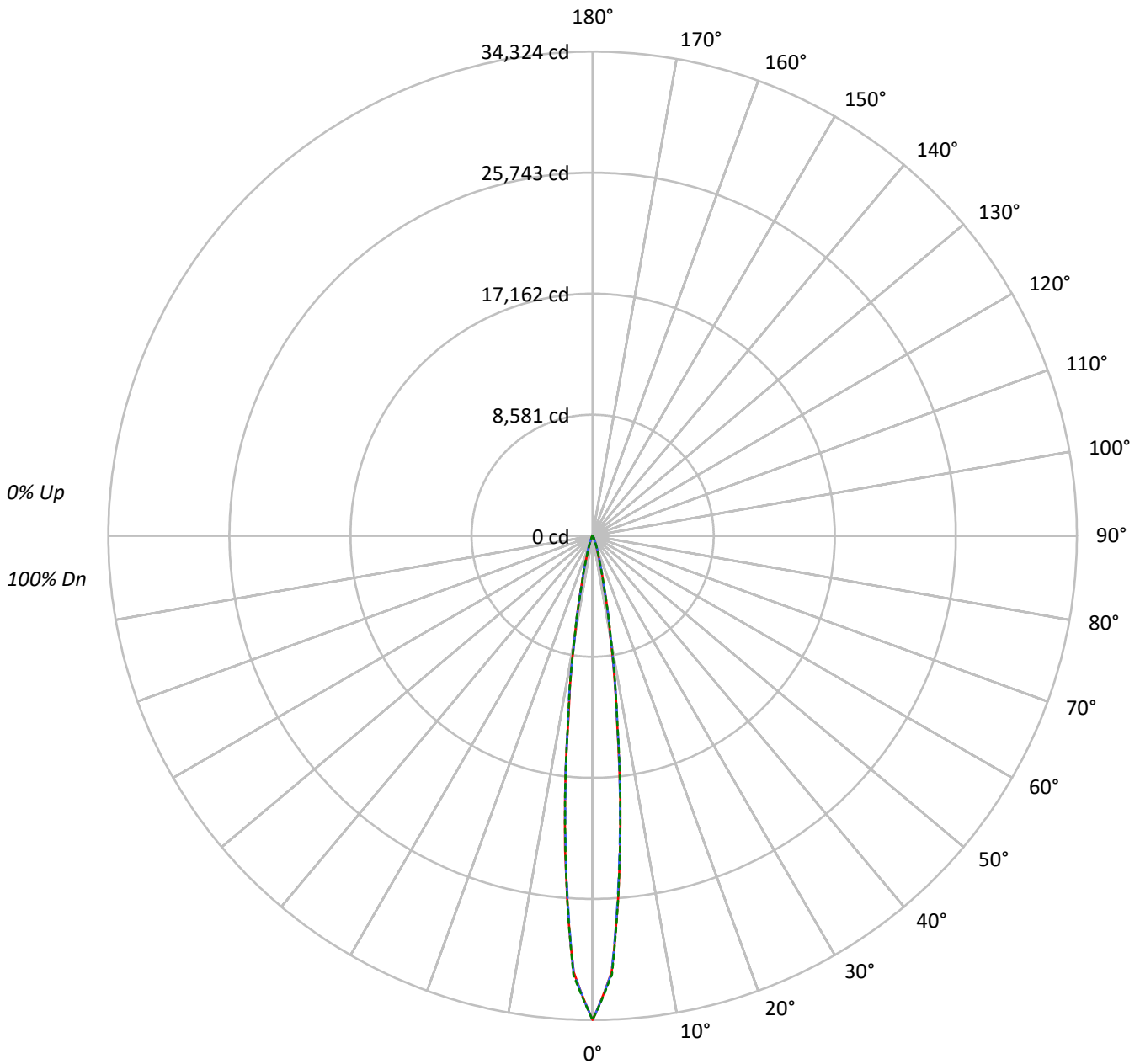
Downlight



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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°	3862078	3862078	3862078
5°	2269536	2240155	2257869
10°	677348	682097	692538
15°	168485	171768	166461
20°	50411	58372	51483
25°	17769	22638	17995
30°	6530	8596	6634
35°	3268	3696	3166
40°	2067	2272	2067
45°	1526	1624	1526
50°	1210	1210	1210
55°	1009	1009	1009
60°	814	814	814
65°	621	621	621
70°	534	534	534
75°	333	333	438
80°	229	229	229
85°	125	125	125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1624 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1633.9	64.9
10°-20°	672.1	26.7
20°-30°	133.5	5.3
30°-40°	33.3	1.3
40°-50°	17.5	0.7
50°-60°	13.0	0.5
60°-70°	9.2	0.4
70°-80°	5.2	0.2
80°-90°	1.6	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°	2439.4	96.8
0°-40°	2472.7	98.2
0°-60°	2503.2	99.4
0°-90°	2519.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2519.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	34324	34324	34324	34324	34324	
5°	22332	22102	22042	22195	22217	1631
15°	1940	1976	1978	1943	1916	665
25°	228	259	291	257	231	120
35°	45	48	51	48	44	31
45°	22	22	23	22	22	17
55°	14	14	14	14	14	13
65°	9	9	9	9	9	9
75°	4	4	4	4	6	5
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°	34323.5	34323.5	34323.5	34323.5	34323.5
2.5°	30961.2	30987.3	30997.5	31028.0	31141.4
5°	22331.6	22102.1	22042.5	22195.0	22216.8
7.5°	13228.4	13274.9	13444.9	13482.7	13346.1
10°	7259.3	7318.9	7310.2	7362.5	7422.1
12.5°	3712.5	3666.0	3651.5	3711.0	3628.2
15°	1939.8	1976.1	1977.6	1942.7	1916.5
17.5°	1043.3	1085.4	1155.2	1098.5	1011.3
20°	616.1	653.9	713.4	666.9	629.2
22.5°	380.7	411.2	453.3	417.0	386.5
25°	228.1	258.6	290.6	257.2	231.0
27.5°	135.1	161.3	181.6	159.8	133.7
30°	87.2	101.7	114.8	100.3	88.6
32.5°	61.0	66.8	72.7	66.8	61.0
35°	45.0	48.0	50.9	48.0	43.6
37.5°	34.9	37.8	39.2	36.3	33.4
40°	29.1	30.5	32.0	30.5	29.1
42.5°	24.7	26.2	26.2	26.2	24.7
45°	21.8	21.8	23.2	21.8	21.8
47.5°	18.9	18.9	20.3	18.9	18.9
50°	17.4	17.4	17.4	17.4	17.4
52.5°	16.0	16.0	16.0	16.0	16.0
55°	14.5	14.5	14.5	14.5	14.5
57.5°	13.1	13.1	13.1	13.1	13.1
60°	11.6	11.6	11.6	11.6	11.6
62.5°	10.2	10.2	10.2	10.2	10.2
65°	8.7	8.7	8.7	8.7	8.7
67.5°	8.7	8.7	8.7	8.7	8.7
70°	7.3	7.3	7.3	7.3	7.3
72.5°	5.8	5.8	5.8	5.8	5.8
75°	4.4	4.4	4.4	4.4	5.8
77.5°	4.4	4.4	4.4	4.4	4.4
80°	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9
85°	1.5	1.5	1.5	1.5	1.5
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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