

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: P791102

Luminaire Tested: LER6D25D010-EC6DR6520359027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR6520359027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4200.8 lumens
Efficiency: N/A
Efficacy: 167.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
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

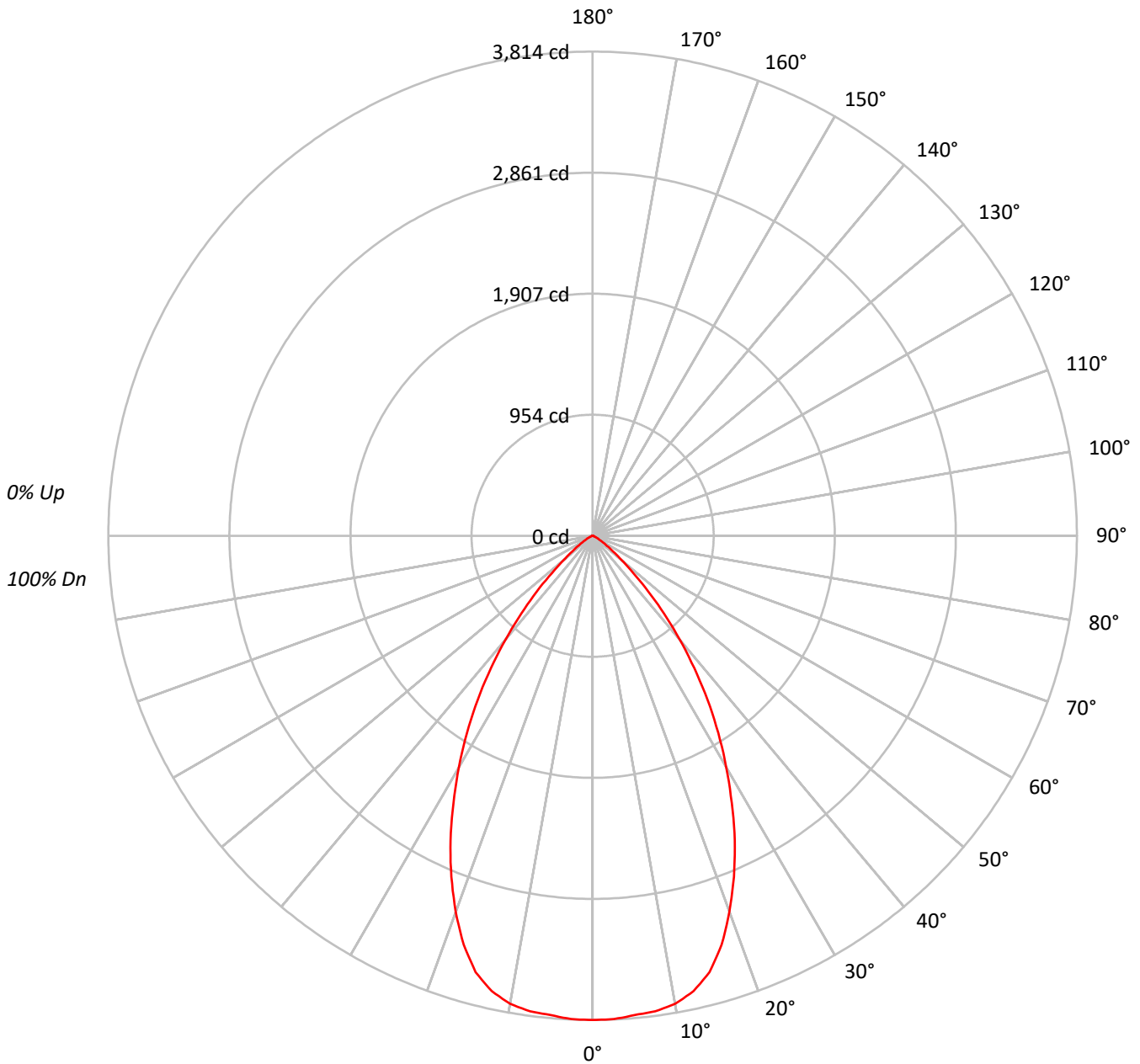


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	222764
5°	222202
10°	222014
15°	215168
20°	195885
25°	170699
30°	141973
35°	112494
40°	81196
45°	51292
50°	26740
55°	14215
60°	7464
65°	4104
70°	1725
75°	1896
80°	1312
85°	1139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 51292 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.7	8.6
10°-20°	987.7	23.5
20°-30°	1207.4	28.7
30°-40°	979.6	23.3
40°-50°	488.2	11.6
50°-60°	136.2	3.2
60°-70°	30.9	0.7
70°-80°	8.0	0.2
80°-90°	2.1	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°	2555.8	60.8
0°-40°	3535.4	84.2
0°-60°	4159.7	99.0
0°-90°	4200.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4200.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3814	
5°	3790	361
15°	3559	988
25°	2649	1207
35°	1578	980
45°	621	488
55°	140	136
65°	30	31
75°	8	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3814.2
2.5°	3811.4
5°	3790.1
7.5°	3777.8
10°	3743.6
12.5°	3674.1
15°	3558.6
17.5°	3378.1
20°	3151.7
22.5°	2907.3
25°	2648.9
27.5°	2372.6
30°	2105.2
32.5°	1841.2
35°	1577.8
37.5°	1314.9
40°	1065.0
42.5°	830.7
45°	621.0
47.5°	432.7
50°	294.3
52.5°	202.9
55°	139.6
57.5°	94.2
60°	63.9
62.5°	44.3
65°	29.7
67.5°	15.1
70°	10.1
72.5°	9.5
75°	8.4
77.5°	5.6
80°	3.9
82.5°	2.8
85°	1.7
87.5°	1.1
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)