

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: P790962

Luminaire Tested: LER6D25D010-EC6DR5020359030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR5020359030-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4882.9 lumens
Efficiency: N/A
Efficacy: 194.5 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' 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

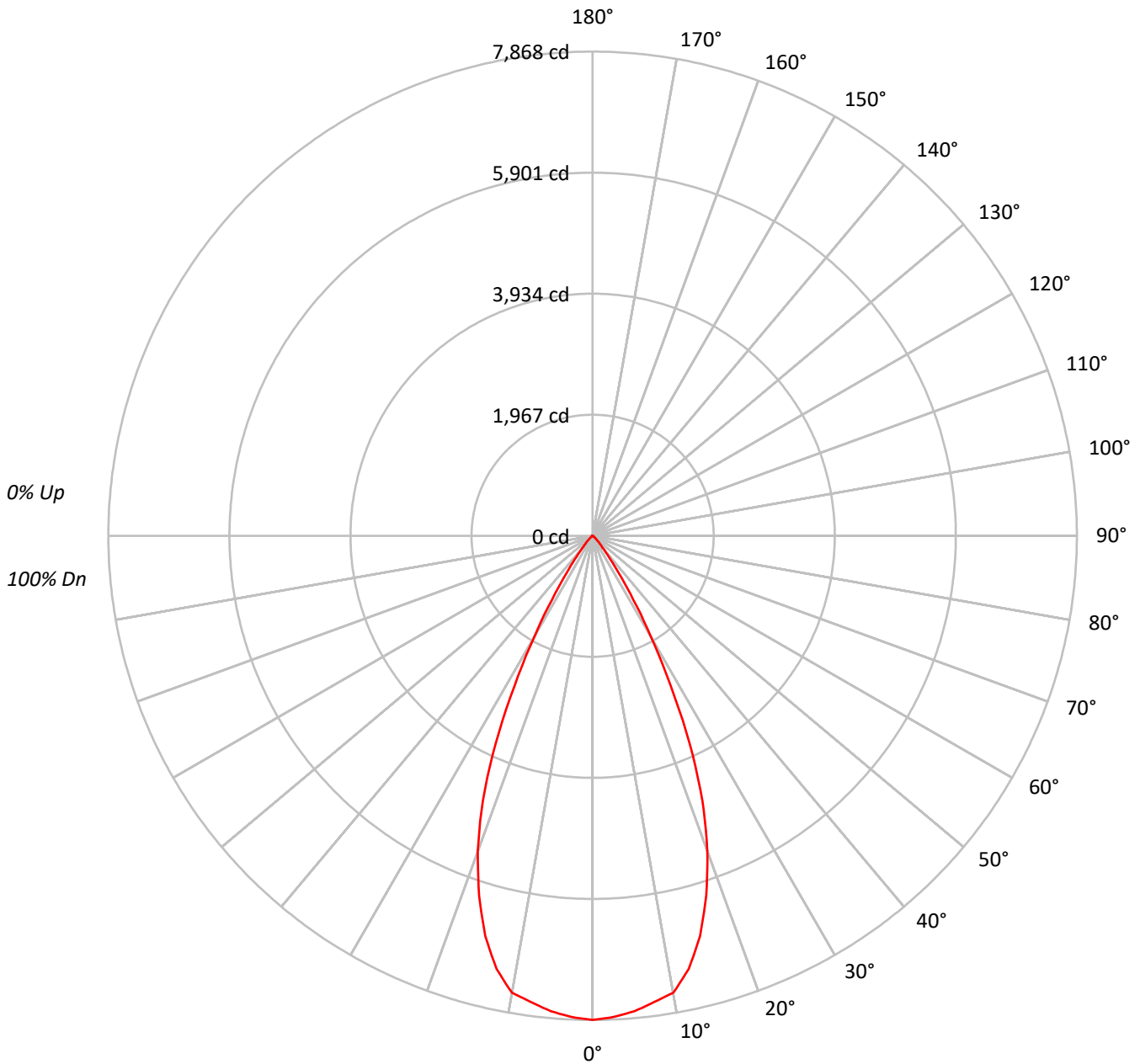


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95			95																
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			90																
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85			85																
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80			80																
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76			76																
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72			72																
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69			69																
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65			65																
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62			62																
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59			59																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	859620
5°	850609
10°	836602
15°	761785
20°	633896
25°	449975
30°	238171
35°	97063
40°	36043
45°	16503
50°	6765
55°	3543
60°	1748
65°	517
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16503 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	733.0	15.0
10°-20°	1852.6	37.9
20°-30°	1664.1	34.1
30°-40°	521.0	10.7
40°-50°	91.2	1.9
50°-60°	18.2	0.4
60°-70°	2.8	0.1
70°-80°	0.0	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°	4249.7	87.0
0°-40°	4770.7	97.7
0°-60°	4880.2	99.9
0°-90°	4882.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4882.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7868	
5°	7756	733
15°	6735	1853
25°	3732	1664
35°	728	521
45°	107	91
55°	19	18
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7867.6
2.5°	7828.4
5°	7755.5
7.5°	7644.0
10°	7540.6
12.5°	7208.9
15°	6734.6
17.5°	6132.3
20°	5451.8
22.5°	4664.4
25°	3732.5
27.5°	2744.1
30°	1887.8
32.5°	1229.1
35°	727.7
37.5°	417.9
40°	252.7
42.5°	164.5
45°	106.8
47.5°	65.0
50°	39.8
52.5°	27.2
55°	18.6
57.5°	12.6
60°	8.0
62.5°	4.6
65°	2.0
67.5°	0.7
70°	0.0
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

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)