

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: P790678

Luminaire Tested: LER6D25D010-EC6DR2015309030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790678
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: LER6D25D010-EC6DR2015309030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3004.7 lumens
Efficiency: N/A
Efficacy: 119.7 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 (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

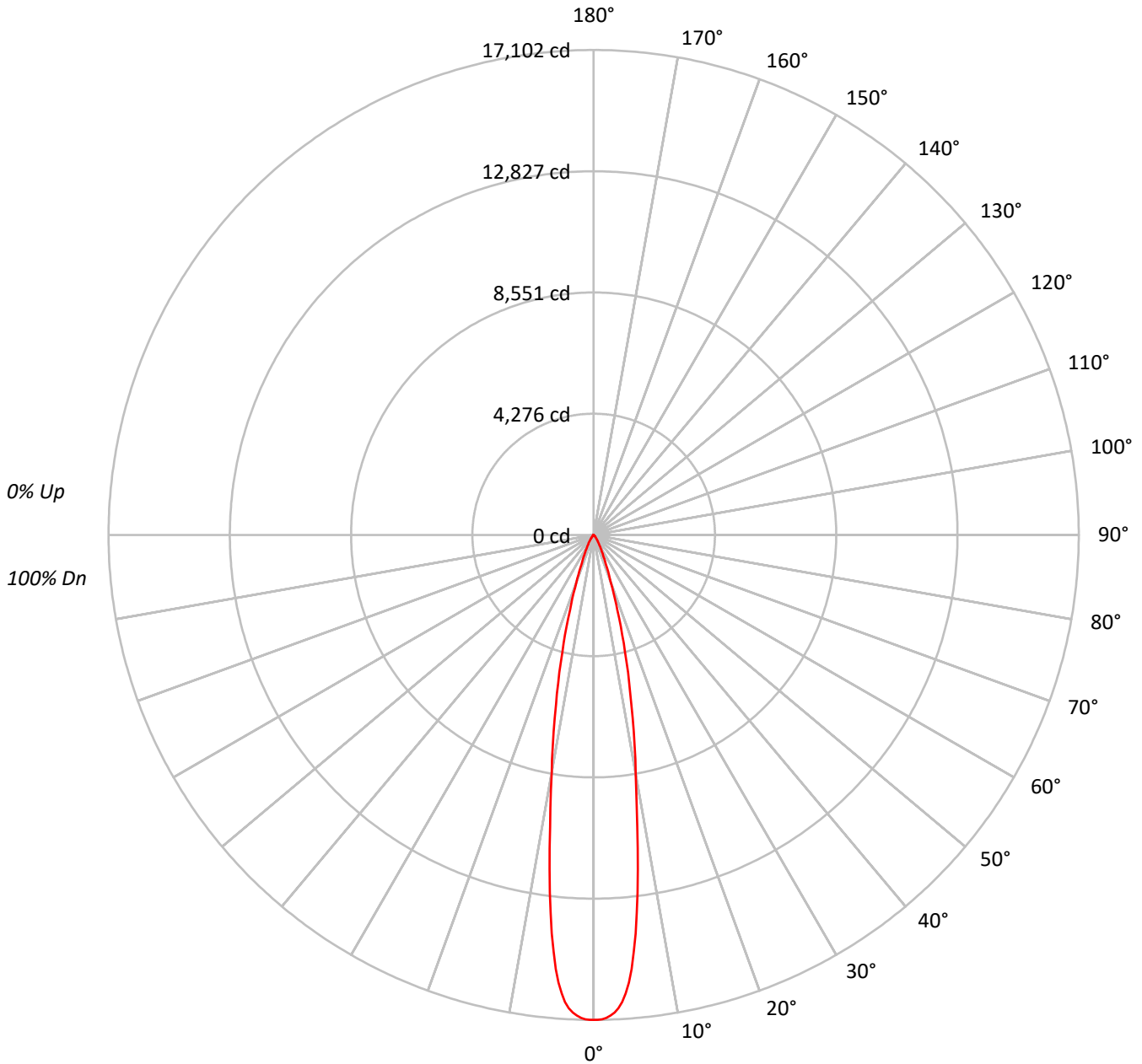


Downlight

TEST NUMBER: P790678

CATALOG NUMBER: LER6D25D010-EC6DR2015309030-6LBS1MW

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	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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	98	96	95	94	94	92	91	91	88	86	85	85															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	92	91	91	88	86	85	85	83	81	81																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	89	89	87	86	85	85	83	81	81																	
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	86	84	83	83	81	80	80	79	79																	
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	83	82	81	81	79	78	78	77	77																	
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	81	80	80	79	78	78	77	77																		
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	79	78	78	77	77	76	76	75	75																	
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	77	76	76	75	75	74	74	73	73																	
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	75	74	74	73	73	72	72	71	71																	
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	73	72	72	71	71	70	70	69	69																	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1868610
5°	1685829
10°	946183
15°	480965
20°	203629
25°	93997
30°	49759
35°	26810
40°	14334
45°	8468
50°	4912
55°	2610
60°	1661
65°	1189
70°	479
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8468 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1217.7	40.5
10°-20°	1199.0	39.9
20°-30°	391.7	13.0
30°-40°	133.4	4.4
40°-50°	44.8	1.5
50°-60°	13.5	0.4
60°-70°	4.5	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°	2808.3	93.5
0°-40°	2941.7	97.9
0°-60°	3000.0	99.8
0°-90°	3004.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3004.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17102	
5°	15371	###
15°	4252	1199
25°	780	392
35°	201	133
45°	55	45
55°	14	14
65°	5	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17102.3
0.5°	17102.3
1°	17081.0
1.5°	17038.3
2°	16960.7
2.5°	16857.1
3°	16710.9
3.5°	16506.8
4°	16203.8
4.5°	15835.2
5°	15370.7
5.5°	14760.1
6°	14134.1
6.5°	13416.8
7°	12714.8
7.5°	11892.4
8°	11158.4
8.5°	10419.8
9°	9737.5
9.5°	9111.6
10°	8528.3
12.5°	6123.6
15°	4252.0
17.5°	2777.8
20°	1751.3
22.5°	1134.6
25°	779.7
27.5°	548.2
30°	394.4
32.5°	283.3
35°	201.0
37.5°	140.1
40°	100.5
42.5°	73.1
45°	54.8
47.5°	42.6
50°	28.9
52.5°	18.3
55°	13.7
57.5°	10.7
60°	7.6
62.5°	6.1
65°	4.6



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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

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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67.5°		3.0
70°		1.5

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(END OF REPORT)