

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: P791136

Luminaire Tested: LER6D25D010-EC6DR7020359024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR7020359024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4358.3 lumens
Efficiency: N/A
Efficacy: 173.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

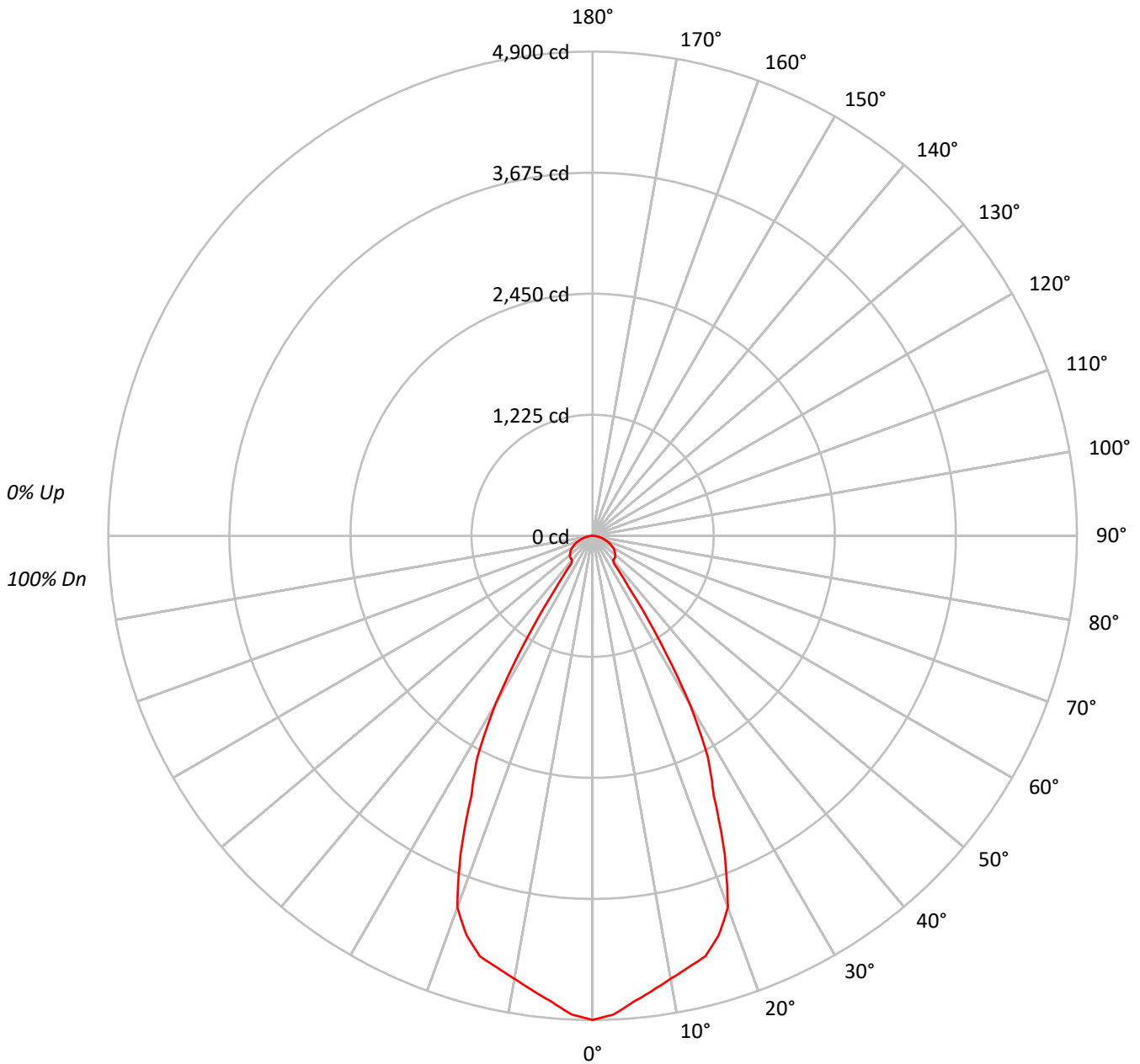
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	535378
5°	519468
10°	504994
15°	498362
20°	465371
25°	349612
30°	247142
35°	87539
40°	46027
45°	49029
50°	50773
55°	51718
60°	52052
65°	50957
70°	48078
75°	44537
80°	39514
85°	32093

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 52058 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.7	10.3
10°-20°	1225.4	28.1
20°-30°	1349.6	31.0
30°-40°	515.6	11.8
40°-50°	243.5	5.6
50°-60°	242.0	5.6
60°-70°	193.8	4.4
70°-80°	111.4	2.6
80°-90°	30.3	0.7
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°	3021.7	69.3
0°-40°	3537.3	81.2
0°-60°	4022.8	92.3
0°-90°	4358.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4358.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4900	
5°	4736	447
15°	4406	1225
25°	2900	1350
35°	656	516
45°	317	243
55°	272	242
65°	197	194
75°	106	111
85°	26	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4900.0
2.5°	4848.8
5°	4736.3
7.5°	4642.4
10°	4551.7
12.5°	4474.8
15°	4405.8
17.5°	4239.0
20°	4002.4
22.5°	3491.9
25°	2900.0
27.5°	2524.5
30°	1958.9
32.5°	1265.3
35°	656.3
37.5°	354.5
40°	322.7
42.5°	320.4
45°	317.3
47.5°	310.3
50°	298.7
52.5°	285.5
55°	271.5
57.5°	256.0
60°	238.2
62.5°	218.0
65°	197.1
67.5°	173.8
70°	150.5
72.5°	127.2
75°	105.5
77.5°	83.0
80°	62.8
82.5°	44.2
85°	25.6
87.5°	10.1
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)