

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



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: P791135

Luminaire Tested: LER6D25D010-EC6DR7020359024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791135
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-EC6DR7020359024-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2535.8 lumens
Efficiency: N/A
Efficacy: 101.0 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

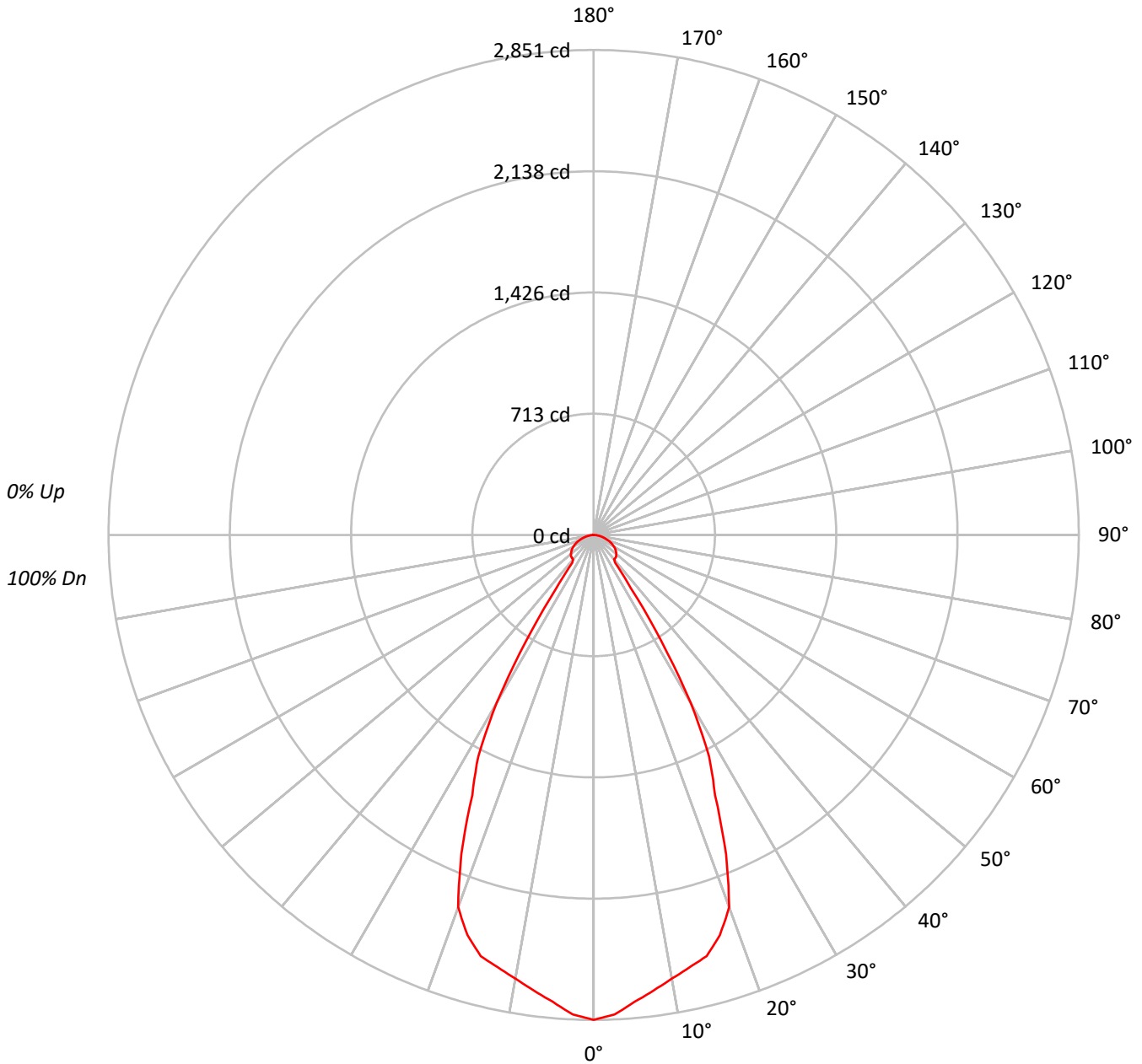
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	311491
5°	302240
10°	293819
15°	289959
20°	270765
25°	203414
30°	143788
35°	50939
40°	26786
45°	28524
50°	29542
55°	30097
60°	30287
65°	29654
70°	27984
75°	25920
80°	23029
85°	18679

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 30299 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.9	10.2
10°-20°	713.0	28.1
20°-30°	785.2	31.0
30°-40°	300.0	11.8
40°-50°	141.7	5.6
50°-60°	140.8	5.6
60°-70°	112.8	4.4
70°-80°	64.8	2.6
80°-90°	17.6	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°	1758.1	69.3
0°-40°	2058.1	81.2
0°-60°	2340.6	92.3
0°-90°	2535.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2535.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2851	
5°	2756	260
15°	2563	713
25°	1687	785
35°	382	300
45°	185	142
55°	158	141
65°	115	113
75°	61	65
85°	15	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2850.9
2.5°	2821.1
5°	2755.7
7.5°	2701.1
10°	2648.3
12.5°	2603.6
15°	2563.4
17.5°	2466.3
20°	2328.7
22.5°	2031.7
25°	1687.3
27.5°	1468.8
30°	1139.7
32.5°	736.2
35°	381.9
37.5°	206.3
40°	187.8
42.5°	186.4
45°	184.6
47.5°	180.6
50°	173.8
52.5°	166.1
55°	158.0
57.5°	149.0
60°	138.6
62.5°	126.8
65°	114.7
67.5°	101.1
70°	87.6
72.5°	74.0
75°	61.4
77.5°	48.3
80°	36.6
82.5°	25.7
85°	14.9
87.5°	5.9
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)