

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: P791178

Luminaire Tested: LER6D25D010-EC6DR7020359050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791178
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-EC6DR7020359050-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4183.2 lumens
Efficiency: N/A
Efficacy: 166.7 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

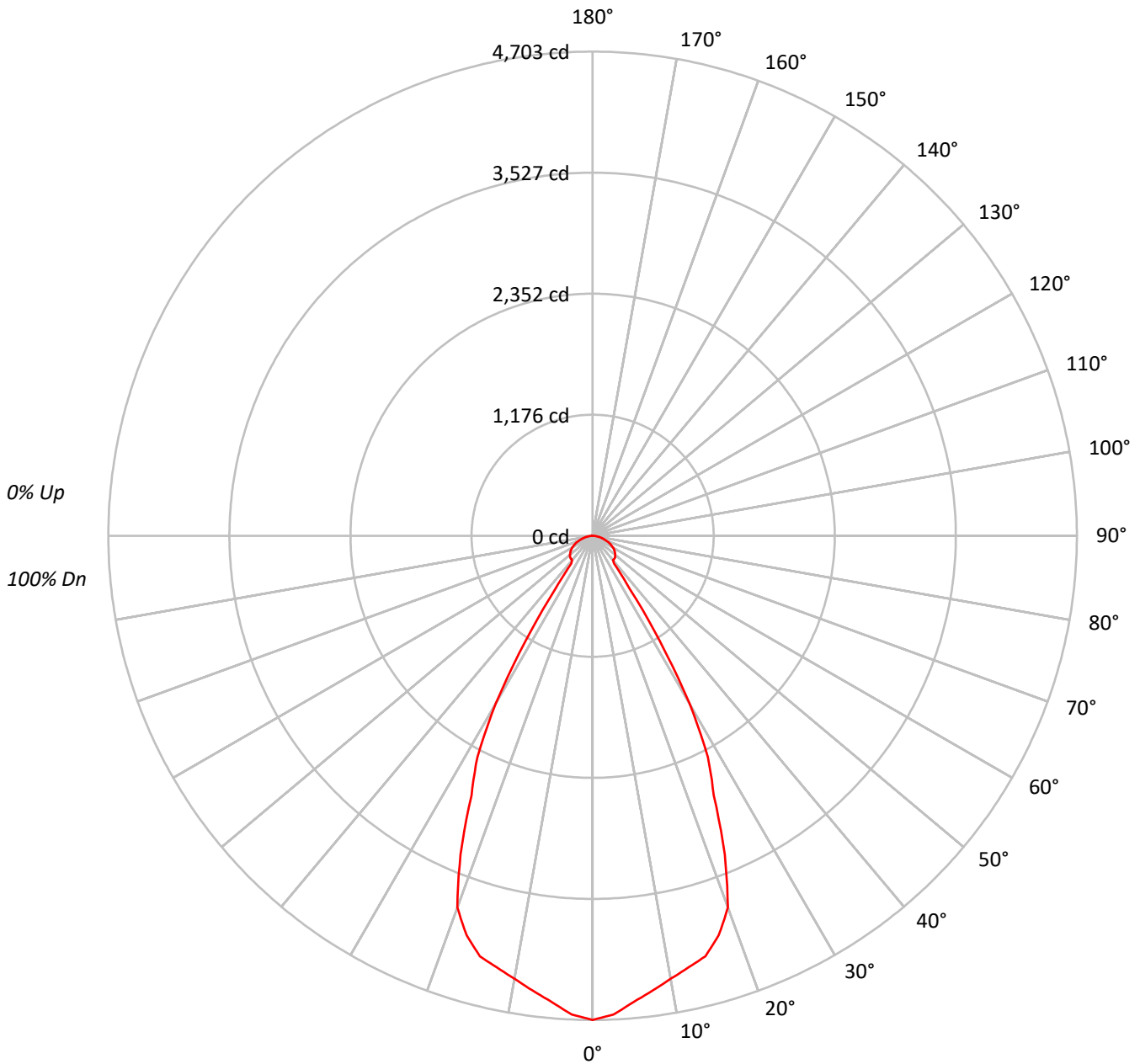
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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				
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°	513875
5°	498597
10°	484702
15°	478341
20°	446674
25°	335567
30°	237213
35°	84031
40°	44187
45°	47066
50°	48733
55°	49642
60°	49954
65°	48889
70°	46162
75°	42764
80°	37941
85°	30839

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 49963 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.8	10.3
10°-20°	1176.1	28.1
20°-30°	1295.4	31.0
30°-40°	494.9	11.8
40°-50°	233.7	5.6
50°-60°	232.3	5.6
60°-70°	186.0	4.4
70°-80°	106.9	2.6
80°-90°	29.1	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°	2900.3	69.3
0°-40°	3395.2	81.2
0°-60°	3861.2	92.3
0°-90°	4183.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4183.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4703	
5°	4546	429
15°	4229	1176
25°	2784	1295
35°	630	495
45°	305	234
55°	261	232
65°	189	186
75°	101	107
85°	25	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4703.2
2.5°	4654.0
5°	4546.0
7.5°	4455.9
10°	4368.8
12.5°	4295.1
15°	4228.8
17.5°	4068.7
20°	3841.6
22.5°	3351.6
25°	2783.5
27.5°	2423.1
30°	1880.2
32.5°	1214.5
35°	630.0
37.5°	340.3
40°	309.8
42.5°	307.5
45°	304.6
47.5°	297.9
50°	286.7
52.5°	274.0
55°	260.6
57.5°	245.7
60°	228.6
62.5°	209.2
65°	189.1
67.5°	166.8
70°	144.5
72.5°	122.1
75°	101.3
77.5°	79.7
80°	60.3
82.5°	42.4
85°	24.6
87.5°	9.7
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)