

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: P793658

Luminaire Tested: LER6D50D010-EC6DR7040509035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793658
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: LER6D50D010-EC6DR7040509035-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4588.6 lumens
Efficiency: N/A
Efficacy: 97.6 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

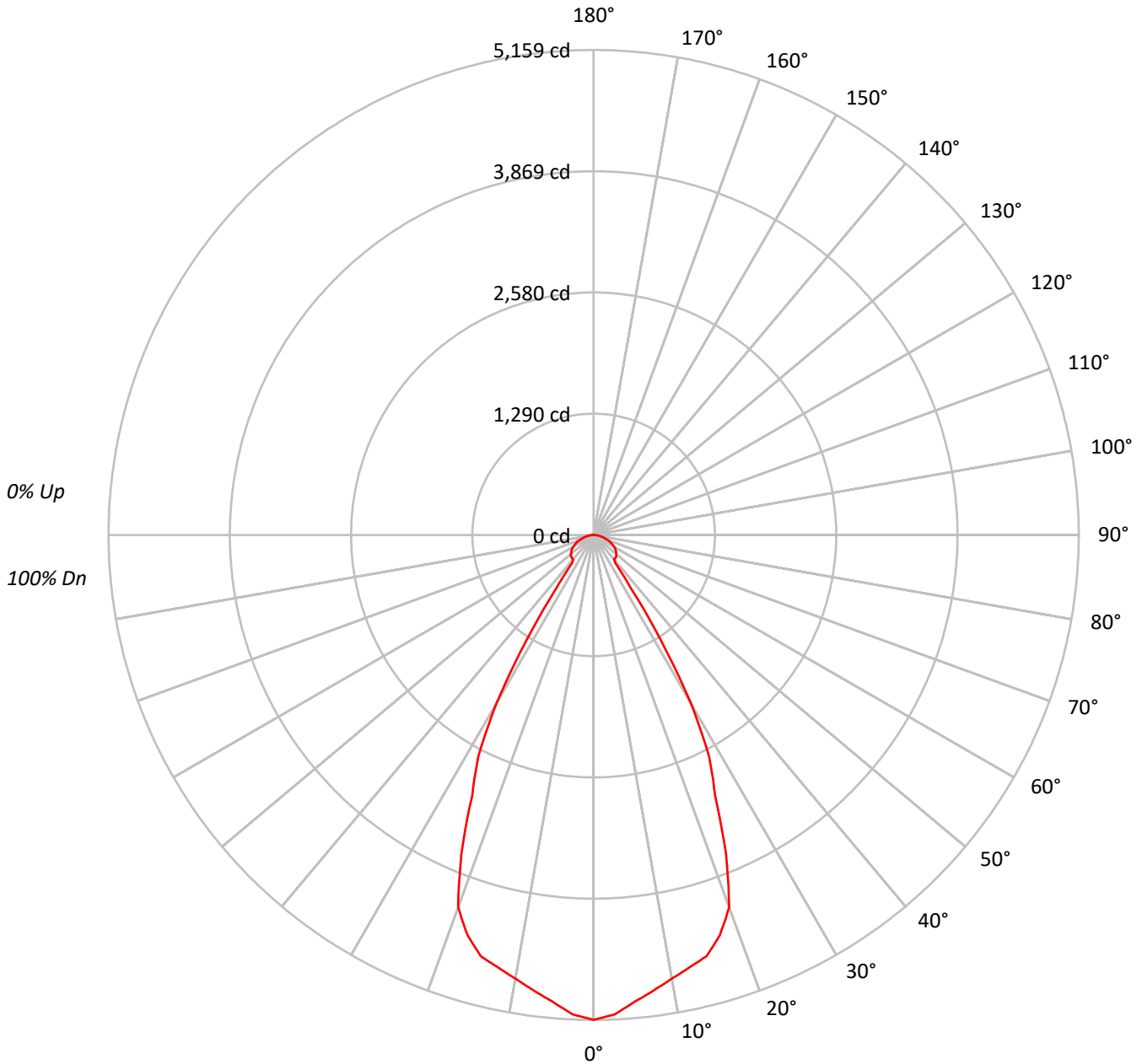
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	563654
5°	546899
10°	531655
15°	524684
20°	489939
25°	368069
30°	260200
35°	92167
40°	48466
45°	51624
50°	53459
55°	54461
60°	54805
65°	53646
70°	50634
75°	46901
80°	41654
85°	33848

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 54805 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.3	10.2
10°-20°	1290.1	28.1
20°-30°	1420.9	31.0
30°-40°	542.9	11.8
40°-50°	256.3	5.6
50°-60°	254.8	5.6
60°-70°	204.1	4.4
70°-80°	117.3	2.6
80°-90°	31.9	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°	3181.3	69.3
0°-40°	3724.2	81.2
0°-60°	4235.3	92.3
0°-90°	4588.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4588.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5159	
5°	4986	470
15°	4638	1290
25°	3053	1421
35°	691	543
45°	334	256
55°	286	255
65°	208	204
75°	111	117
85°	27	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5158.8
2.5°	5104.9
5°	4986.4
7.5°	4887.6
10°	4792.0
12.5°	4711.2
15°	4638.5
17.5°	4462.9
20°	4213.7
22.5°	3676.3
25°	3053.1
27.5°	2657.8
30°	2062.4
32.5°	1332.2
35°	691.0
37.5°	373.3
40°	339.8
42.5°	337.3
45°	334.1
47.5°	326.7
50°	314.5
52.5°	300.6
55°	285.9
57.5°	269.5
60°	250.8
62.5°	229.5
65°	207.5
67.5°	183.0
70°	158.5
72.5°	134.0
75°	111.1
77.5°	87.4
80°	66.2
82.5°	46.6
85°	27.0
87.5°	10.6
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)