

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: P793535

Luminaire Tested: LER6D50D010-EC6DR6040509024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D50D010-EC6DR6040509024-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3897.1 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

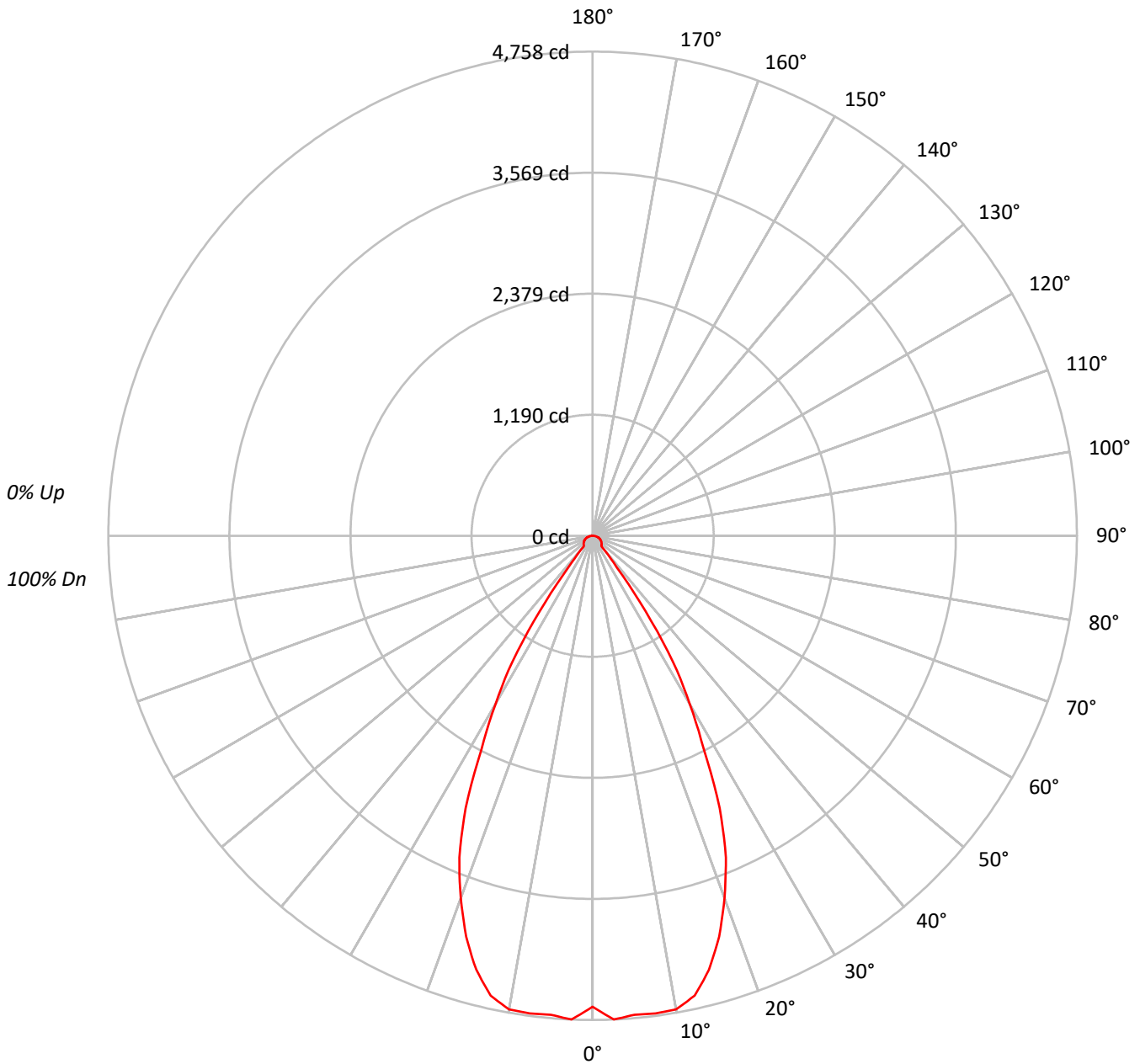
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	505681
5°	518119
10°	524376
15°	499539
20°	440442
25°	356243
30°	240972
35°	120751
40°	19583
45°	19176
50°	19548
55°	19849
60°	20410
65°	20864
70°	21372
75°	21614
80°	20827
85°	17425

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 21614 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.5	11.6
10°-20°	1221.5	31.3
20°-30°	1314.3	33.7
30°-40°	571.3	14.7
40°-50°	96.0	2.5
50°-60°	93.3	2.4
60°-70°	79.8	2.0
70°-80°	53.4	1.4
80°-90°	16.0	0.4
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°	2987.3	76.7
0°-40°	3558.6	91.3
0°-60°	3747.9	96.2
0°-90°	3897.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3897.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4628	
5°	4724	451
15°	4416	1222
25°	2955	1314
35°	905	571
45°	124	96
55°	104	93
65°	81	80
75°	51	53
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4628.2
2.5°	4758.3
5°	4724.0
7.5°	4734.9
10°	4726.4
12.5°	4628.8
15°	4416.2
17.5°	4130.7
20°	3788.0
22.5°	3421.2
25°	2955.0
27.5°	2363.5
30°	1910.0
32.5°	1472.1
35°	905.3
37.5°	387.3
40°	137.3
42.5°	126.5
45°	124.1
47.5°	119.9
50°	115.0
52.5°	109.6
55°	104.2
57.5°	98.8
60°	93.4
62.5°	87.3
65°	80.7
67.5°	74.1
70°	66.9
72.5°	59.0
75°	51.2
77.5°	42.2
80°	33.1
82.5°	23.5
85°	13.9
87.5°	4.8
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)