

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: P793629

Luminaire Tested: LER6D50D010-EC6DR6540509050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D50D010-EC6DR6540509050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5941.9 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

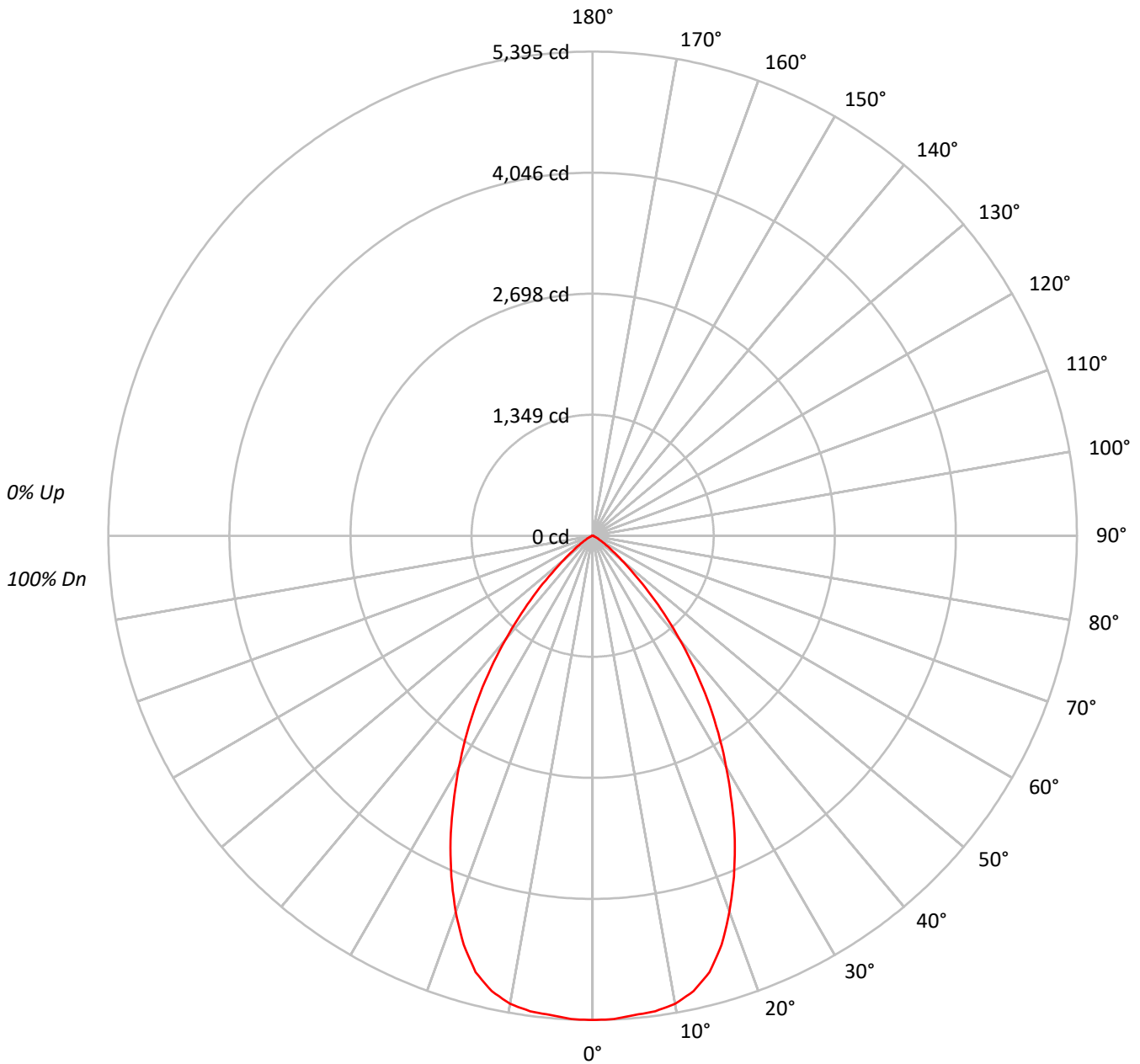


Downlight

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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	315095
5°	314299
10°	314031
15°	304346
20°	277074
25°	241450
30°	200820
35°	159123
40°	114842
45°	72552
50°	37816
55°	20100
60°	10559
65°	5804
70°	2442
75°	2685
80°	1850
85°	1608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 72552 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.2	8.6
10°-20°	1397.1	23.5
20°-30°	1707.8	28.7
30°-40°	1385.6	23.3
40°-50°	690.5	11.6
50°-60°	192.6	3.2
60°-70°	43.8	0.7
70°-80°	11.4	0.2
80°-90°	2.9	0.0
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°	3615.1	60.8
0°-40°	5000.7	84.2
0°-60°	5883.8	99.0
0°-90°	5941.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5941.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5395	
5°	5361	510
15°	5034	1397
25°	3747	1708
35°	2232	1386
45°	878	690
55°	197	193
65°	42	44
75°	12	11
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5395.1
2.5°	5391.1
5°	5361.0
7.5°	5343.5
10°	5295.2
12.5°	5196.9
15°	5033.5
17.5°	4778.3
20°	4458.0
22.5°	4112.3
25°	3746.8
27.5°	3356.0
30°	2977.8
32.5°	2604.4
35°	2231.8
37.5°	1859.9
40°	1506.3
42.5°	1174.9
45°	878.4
47.5°	612.0
50°	416.2
52.5°	287.0
55°	197.4
57.5°	133.2
60°	90.4
62.5°	62.6
65°	42.0
67.5°	21.4
70°	14.3
72.5°	13.5
75°	11.9
77.5°	7.9
80°	5.5
82.5°	4.0
85°	2.4
87.5°	1.6
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)