

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: P793116

Luminaire Tested: LER6D45BD010-EC6DR6540509027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793116
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: LER6D45BD010-EC6DR6540509027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4390.4 lumens
Efficiency: N/A
Efficacy: 113.4 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

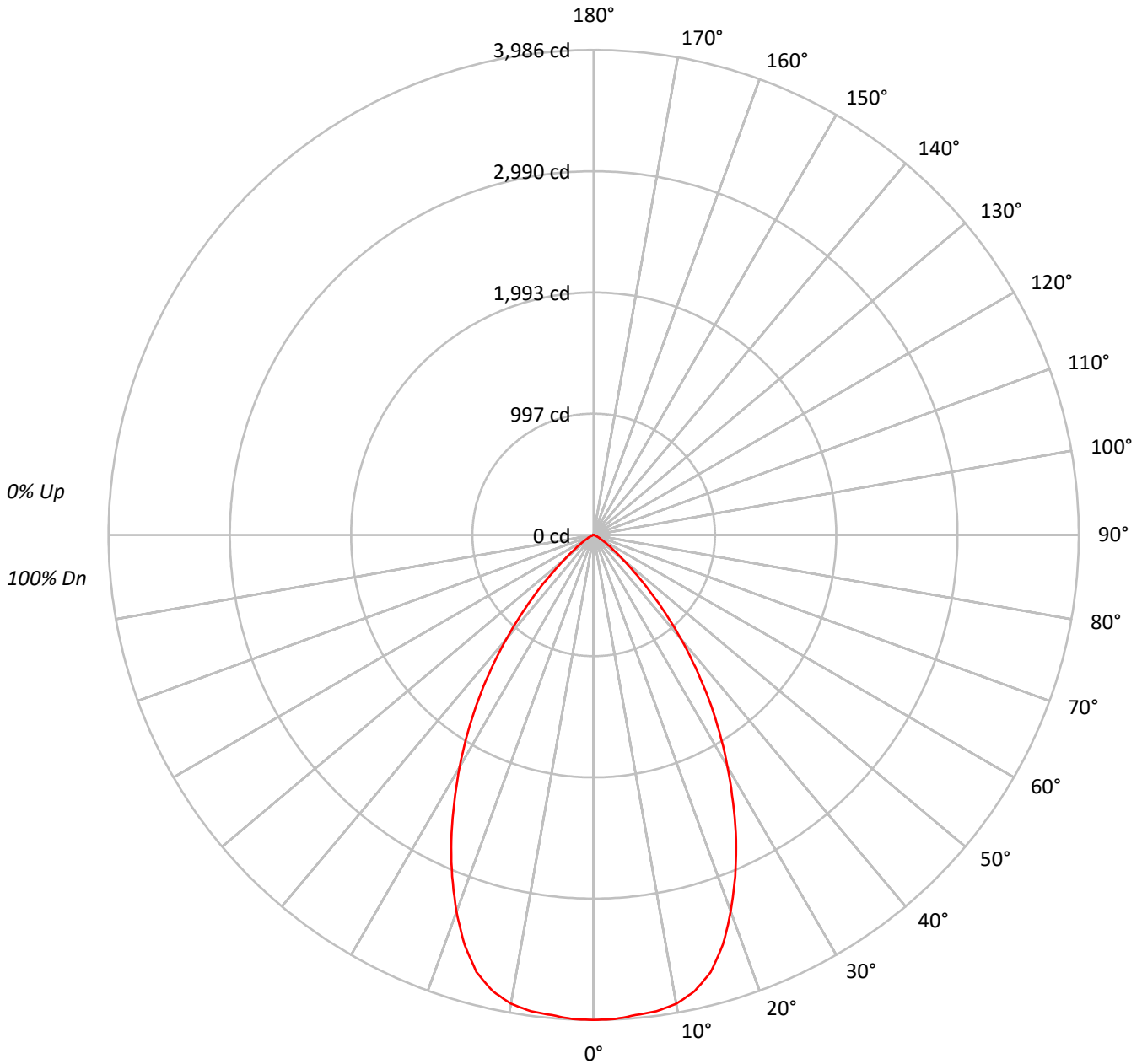
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	232815
5°	232227
10°	232030
15°	224878
20°	204723
25°	178406
30°	148379
35°	117570
40°	84856
45°	53613
50°	27940
55°	14856
60°	7803
65°	4284
70°	1793
75°	1986
80°	1379
85°	1206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 53613 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.0	8.6
10°-20°	1032.3	23.5
20°-30°	1261.8	28.7
30°-40°	1023.8	23.3
40°-50°	510.2	11.6
50°-60°	142.3	3.2
60°-70°	32.3	0.7
70°-80°	8.4	0.2
80°-90°	2.2	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°	2671.1	60.8
0°-40°	3695.0	84.2
0°-60°	4347.5	99.0
0°-90°	4390.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4390.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3986	
5°	3961	377
15°	3719	1032
25°	2768	1262
35°	1649	1024
45°	649	510
55°	146	142
65°	31	32
75°	9	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3986.3
2.5°	3983.4
5°	3961.1
7.5°	3948.3
10°	3912.5
12.5°	3839.9
15°	3719.2
17.5°	3530.6
20°	3293.9
22.5°	3038.5
25°	2768.5
27.5°	2479.7
30°	2200.2
32.5°	1924.3
35°	1649.0
37.5°	1374.3
40°	1113.0
42.5°	868.1
45°	649.1
47.5°	452.2
50°	307.5
52.5°	212.1
55°	145.9
57.5°	98.4
60°	66.8
62.5°	46.3
65°	31.0
67.5°	15.8
70°	10.5
72.5°	10.0
75°	8.8
77.5°	5.9
80°	4.1
82.5°	2.9
85°	1.8
87.5°	1.2
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)