

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: P792179

Luminaire Tested: LER6D35BD010-EC6DR6520359040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792179
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: LER6D35BD010-EC6DR6520359040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3444.8 lumens
Efficiency: N/A
Efficacy: 111.8 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

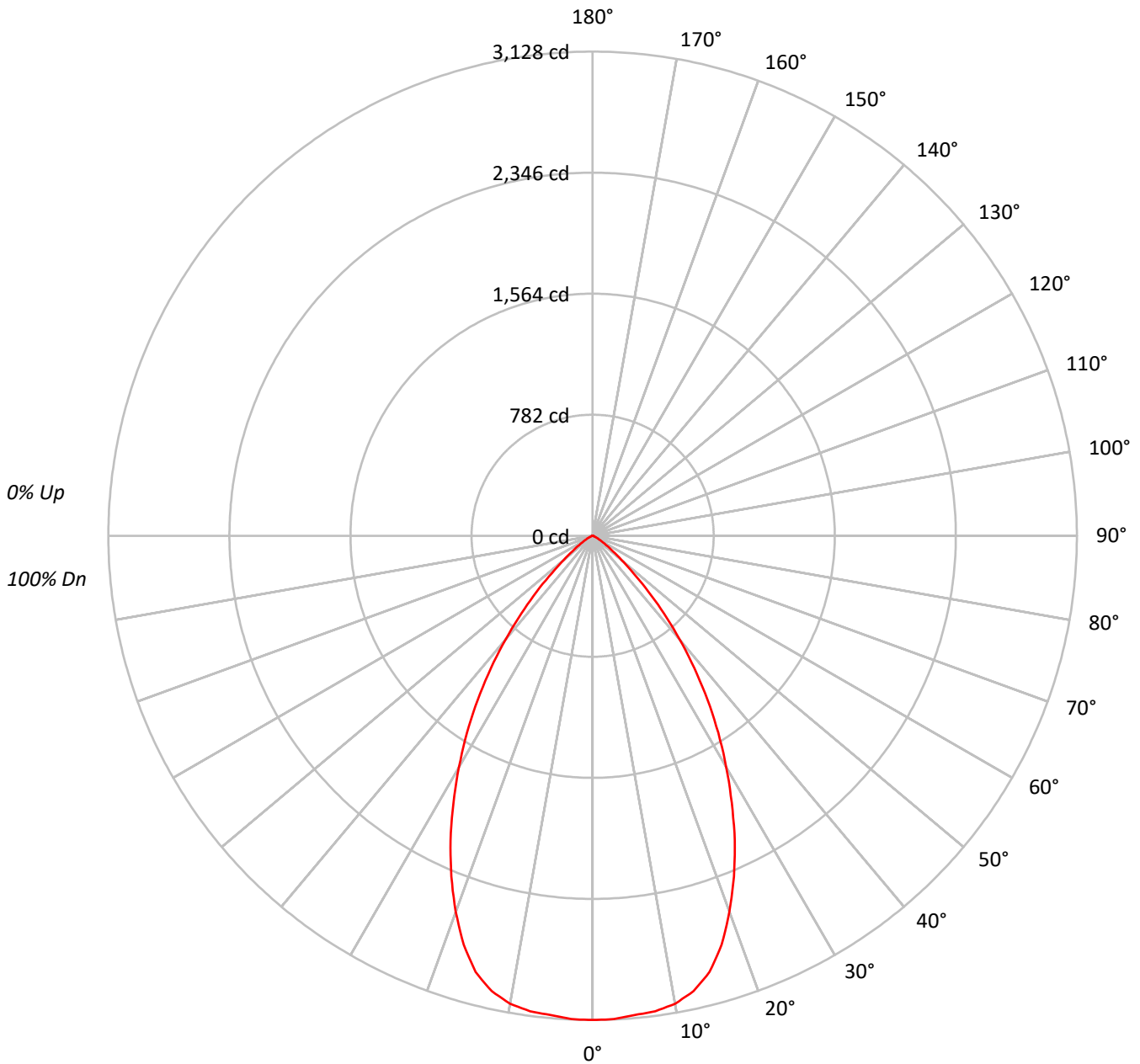
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	182676
5°	182213
10°	182060
15°	176446
20°	160632
25°	139980
30°	116427
35°	92252
40°	66581
45°	42066
50°	21925
55°	11649
60°	6121
65°	3372
70°	1417
75°	1557
80°	1076
85°	938

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 42066 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.8	8.6
10°-20°	810.0	23.5
20°-30°	990.1	28.7
30°-40°	803.3	23.3
40°-50°	400.3	11.6
50°-60°	111.6	3.2
60°-70°	25.4	0.7
70°-80°	6.6	0.2
80°-90°	1.7	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°	2095.9	60.8
0°-40°	2899.2	84.2
0°-60°	3411.1	99.0
0°-90°	3444.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3444.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3128	
5°	3108	296
15°	2918	810
25°	2172	990
35°	1294	803
45°	509	400
55°	114	112
65°	24	25
75°	7	7
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3127.8
2.5°	3125.5
5°	3108.0
7.5°	3097.9
10°	3069.9
12.5°	3012.9
15°	2918.2
17.5°	2770.2
20°	2584.5
22.5°	2384.1
25°	2172.2
27.5°	1945.6
30°	1726.4
32.5°	1509.9
35°	1293.9
37.5°	1078.3
40°	873.3
42.5°	681.2
45°	509.3
47.5°	354.8
50°	241.3
52.5°	166.4
55°	114.4
57.5°	77.2
60°	52.4
62.5°	36.3
65°	24.4
67.5°	12.4
70°	8.3
72.5°	7.8
75°	6.9
77.5°	4.6
80°	3.2
82.5°	2.3
85°	1.4
87.5°	0.9
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)