

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: P792251

Luminaire Tested: LER6D40BD010-EC6DR2540509027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR2540509027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3826.2 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

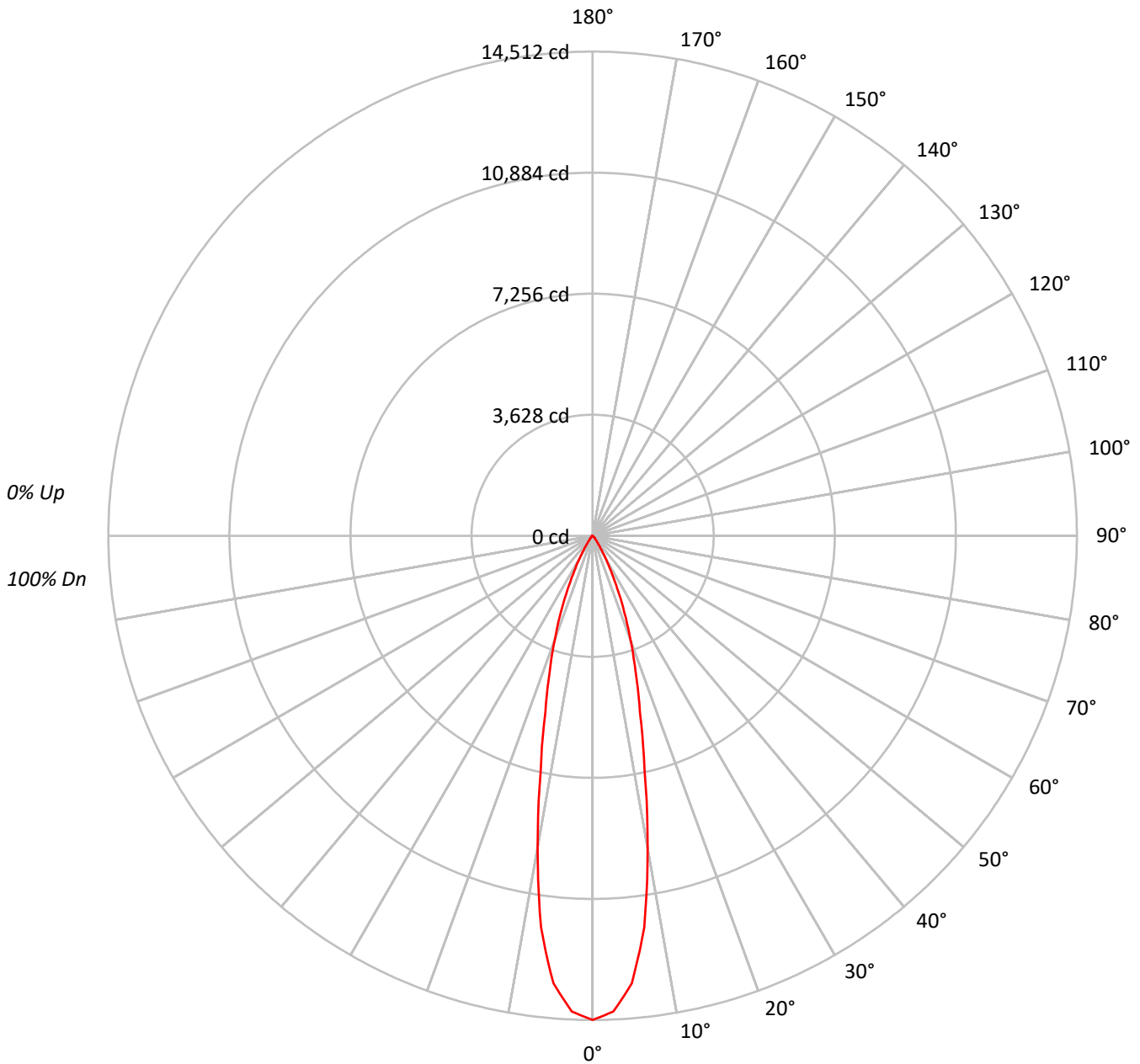
Input Watts (W): 35.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	100	100	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89	89	89	89
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85	85	85	85
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82	82	82	82
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79	79	79	79
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77	77	77	77
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74	74	74	74
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72	72	72	72
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69	69	69	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1585592
5°	1476783
10°	1053424
15°	620425
20°	386038
25°	211865
30°	96894
35°	36694
40°	16616
45°	9997
50°	4148
55°	2667
60°	1857
65°	1267
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9997 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1157.2	30.2
10°-20°	1567.3	41.0
20°-30°	829.4	21.7
30°-40°	204.7	5.4
40°-50°	50.0	1.3
50°-60°	13.1	0.3
60°-70°	4.4	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	3553.9	92.9
0°-40°	3758.6	98.2
0°-60°	3821.7	99.9
0°-90°	3826.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3826.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14512	
5°	13465	###
15°	5485	1567
25°	1757	829
35°	275	205
45°	65	50
55°	14	13
65°	5	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14512.0
2.5°	14273.5
5°	13464.7
7.5°	11839.7
10°	9494.9
12.5°	7177.6
15°	5484.9
17.5°	4274.7
20°	3320.1
22.5°	2489.9
25°	1757.4
27.5°	1178.5
30°	768.0
32.5°	467.2
35°	275.1
37.5°	168.4
40°	116.5
42.5°	89.1
45°	64.7
47.5°	39.0
50°	24.4
52.5°	17.7
55°	14.0
57.5°	11.0
60°	8.5
62.5°	6.7
65°	4.9
67.5°	1.8
70°	0.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)