

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: P792147

Luminaire Tested: LER6D35BD010-EC6DR6520359024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792147
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-EC6DR6520359024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2790.6 lumens
Efficiency: N/A
Efficacy: 90.6 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

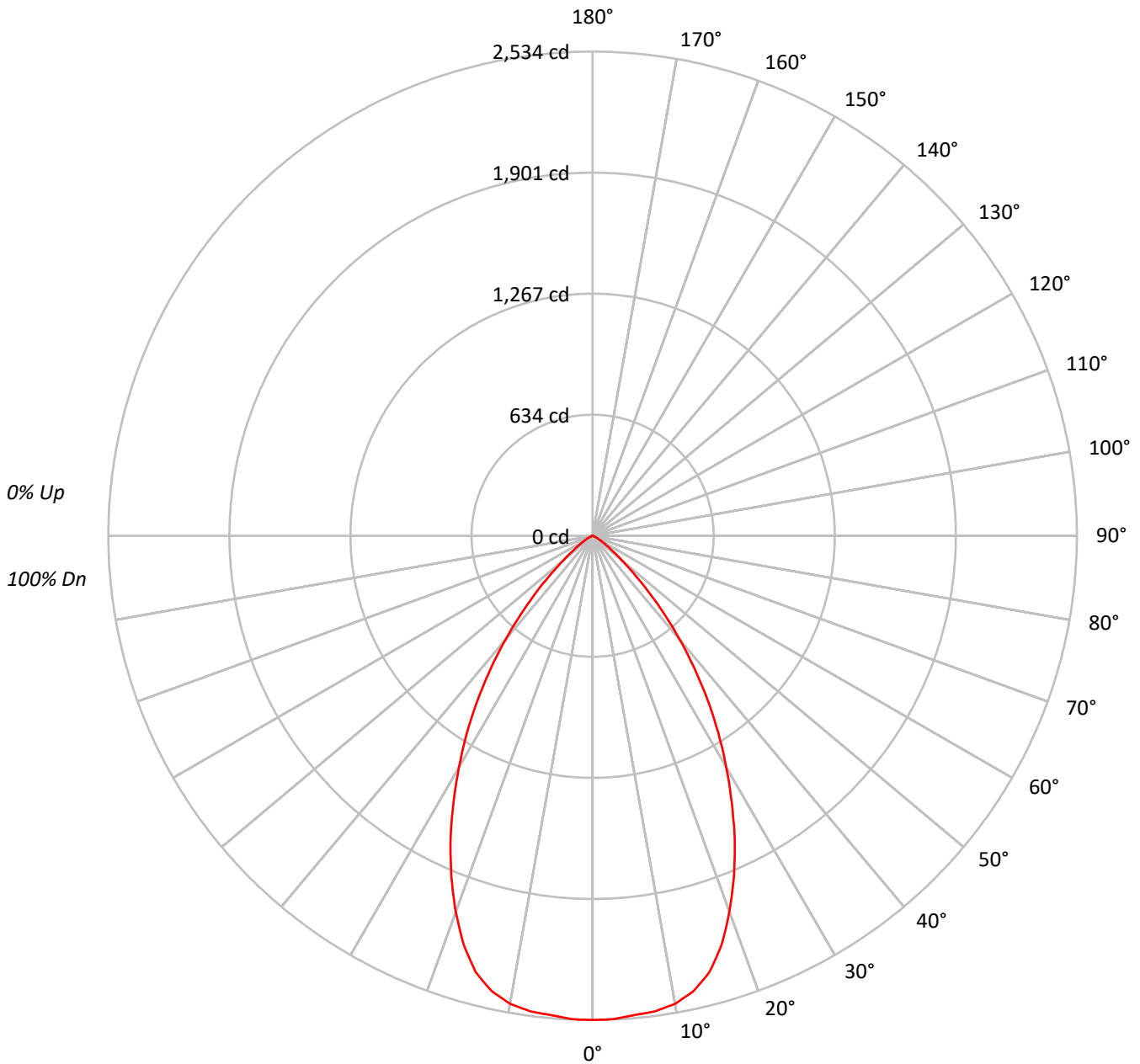
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	147984
5°	147611
10°	147485
15°	142937
20°	130128
25°	113398
30°	94313
35°	74727
40°	53933
45°	34079
50°	17763
55°	9439
60°	4953
65°	2722
70°	1144
75°	1264
80°	874
85°	737

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34079 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.6	8.6
10°-20°	656.2	23.5
20°-30°	802.0	28.7
30°-40°	650.7	23.3
40°-50°	324.3	11.6
50°-60°	90.5	3.2
60°-70°	20.5	0.7
70°-80°	5.3	0.2
80°-90°	1.4	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°	1697.8	60.8
0°-40°	2348.6	84.2
0°-60°	2763.3	99.0
0°-90°	2790.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2790.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2534	
5°	2518	240
15°	2364	656
25°	1760	802
35°	1048	651
45°	413	324
55°	93	90
65°	20	21
75°	6	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2533.8
2.5°	2531.9
5°	2517.8
7.5°	2509.6
10°	2486.9
12.5°	2440.7
15°	2364.0
17.5°	2244.1
20°	2093.7
22.5°	1931.3
25°	1759.7
27.5°	1576.1
30°	1398.5
32.5°	1223.1
35°	1048.1
37.5°	873.5
40°	707.4
42.5°	551.8
45°	412.6
47.5°	287.4
50°	195.5
52.5°	134.8
55°	92.7
57.5°	62.6
60°	42.4
62.5°	29.4
65°	19.7
67.5°	10.1
70°	6.7
72.5°	6.3
75°	5.6
77.5°	3.7
80°	2.6
82.5°	1.9
85°	1.1
87.5°	0.7
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)