

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: P784552

Luminaire Tested: LER4DD35BD010-EC4DR6020359035-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR6020359035-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2550.2 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (Ain): 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

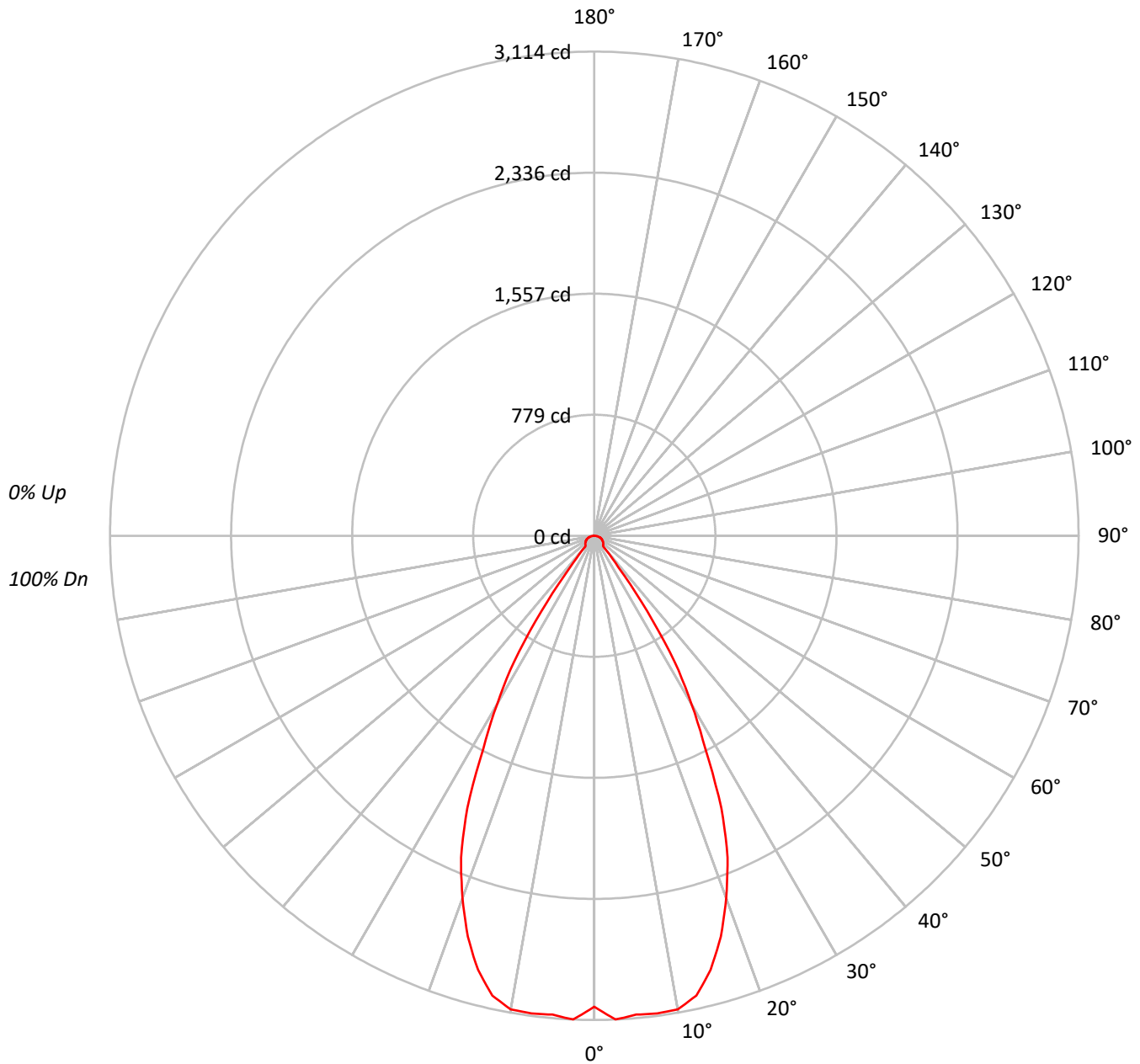


Downlight

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	330918
5°	339059
10°	343146
15°	326903
20°	288217
25°	233119
30°	157692
35°	79016
40°	12822
45°	12547
50°	12799
55°	12991
60°	13352
65°	13651
70°	13992
75°	14142
80°	13654
85°	11408

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 14142 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.5	11.6
10°-20°	799.4	31.3
20°-30°	860.1	33.7
30°-40°	373.8	14.7
40°-50°	62.8	2.5
50°-60°	61.0	2.4
60°-70°	52.2	2.0
70°-80°	34.9	1.4
80°-90°	10.5	0.4
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°	1954.9	76.7
0°-40°	2328.7	91.3
0°-60°	2452.6	96.2
0°-90°	2550.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2550.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3029	
5°	3091	295
15°	2890	799
25°	1934	860
35°	592	374
45°	81	63
55°	68	61
65°	53	52
75°	34	35
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3028.7
2.5°	3113.8
5°	3091.4
7.5°	3098.5
10°	3092.9
12.5°	3029.1
15°	2890.0
17.5°	2703.1
20°	2478.8
22.5°	2238.8
25°	1933.7
27.5°	1546.7
30°	1249.9
32.5°	963.3
35°	592.4
37.5°	253.4
40°	89.9
42.5°	82.8
45°	81.2
47.5°	78.4
50°	75.3
52.5°	71.7
55°	68.2
57.5°	64.6
60°	61.1
62.5°	57.2
65°	52.8
67.5°	48.5
70°	43.8
72.5°	38.6
75°	33.5
77.5°	27.6
80°	21.7
82.5°	15.4
85°	9.1
87.5°	3.2
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)