

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: P784540

Luminaire Tested: LER4DD35BD010-EC4DR6020359024-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784540
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-EC4DR6020359024-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2162.5 lumens
Efficiency: N/A
Efficacy: 70.2 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

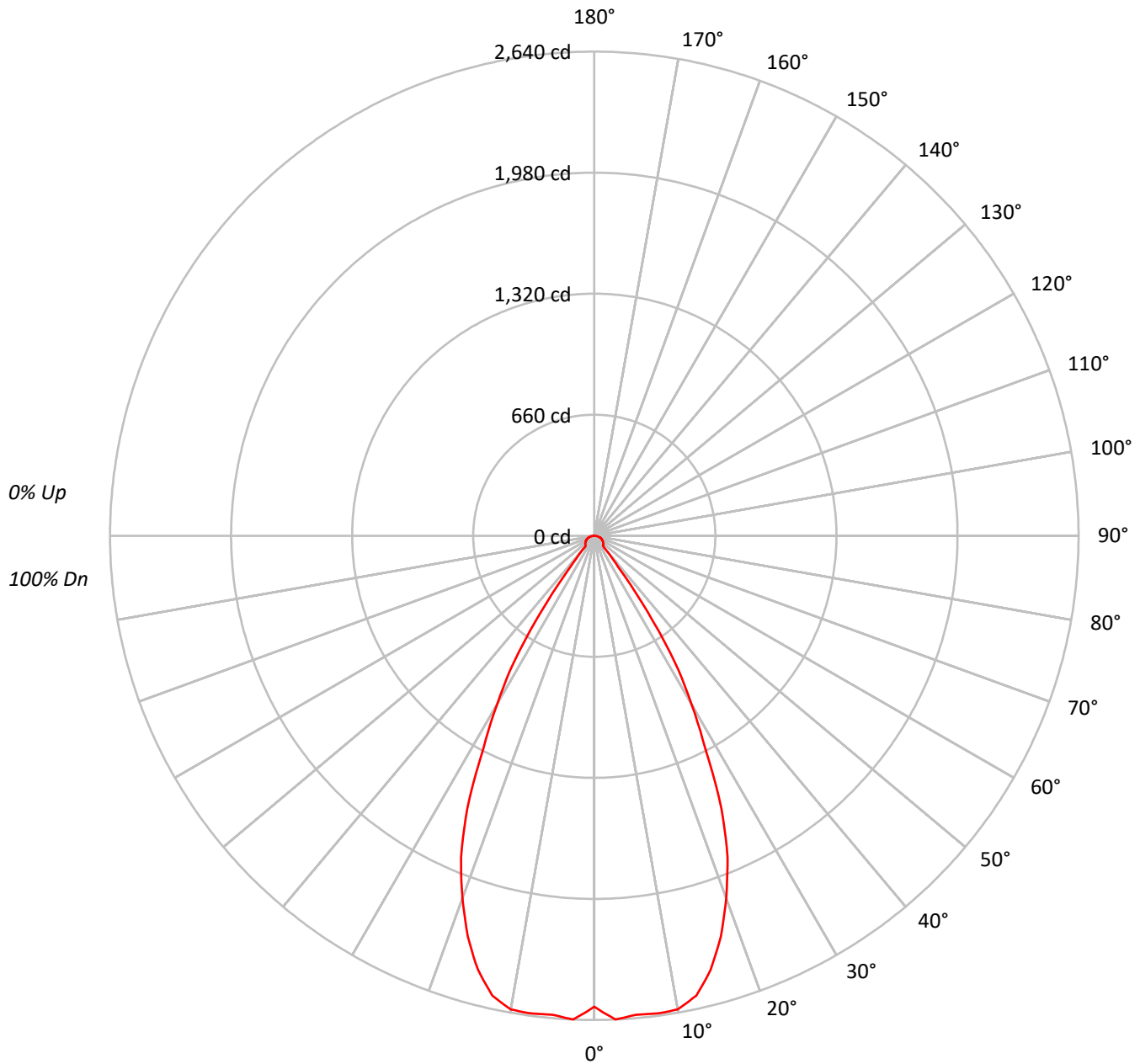


Downlight

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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°	280603
5°	287499
10°	290979
15°	277200
20°	244406
25°	197676
30°	133708
35°	66998
40°	10868
45°	10646
50°	10845
55°	11010
60°	11319
65°	11582
70°	11852
75°	11989
80°	11577
85°	9653

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 11989 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.5	11.6
10°-20°	677.8	31.3
20°-30°	729.3	33.7
30°-40°	317.0	14.7
40°-50°	53.2	2.5
50°-60°	51.8	2.4
60°-70°	44.3	2.0
70°-80°	29.6	1.4
80°-90°	8.9	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°	1657.7	76.7
0°-40°	1974.7	91.3
0°-60°	2079.7	96.2
0°-90°	2162.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2162.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2568	
5°	2621	251
15°	2451	678
25°	1640	729
35°	502	317
45°	69	53
55°	58	52
65°	45	44
75°	28	30
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2568.2
2.5°	2640.4
5°	2621.3
7.5°	2627.4
10°	2622.7
12.5°	2568.5
15°	2450.6
17.5°	2292.1
20°	2102.0
22.5°	1898.4
25°	1639.7
27.5°	1311.5
30°	1059.8
32.5°	816.9
35°	502.3
37.5°	214.9
40°	76.2
42.5°	70.2
45°	68.9
47.5°	66.5
50°	63.8
52.5°	60.8
55°	57.8
57.5°	54.8
60°	51.8
62.5°	48.5
65°	44.8
67.5°	41.1
70°	37.1
72.5°	32.8
75°	28.4
77.5°	23.4
80°	18.4
82.5°	13.0
85°	7.7
87.5°	2.7
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)