

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: P784543

Luminaire Tested: LER4DD35BD010-EC4DR6020359024-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784543
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-EC4DR6020359024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2486.9 lumens
Efficiency: N/A
Efficacy: 80.7 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

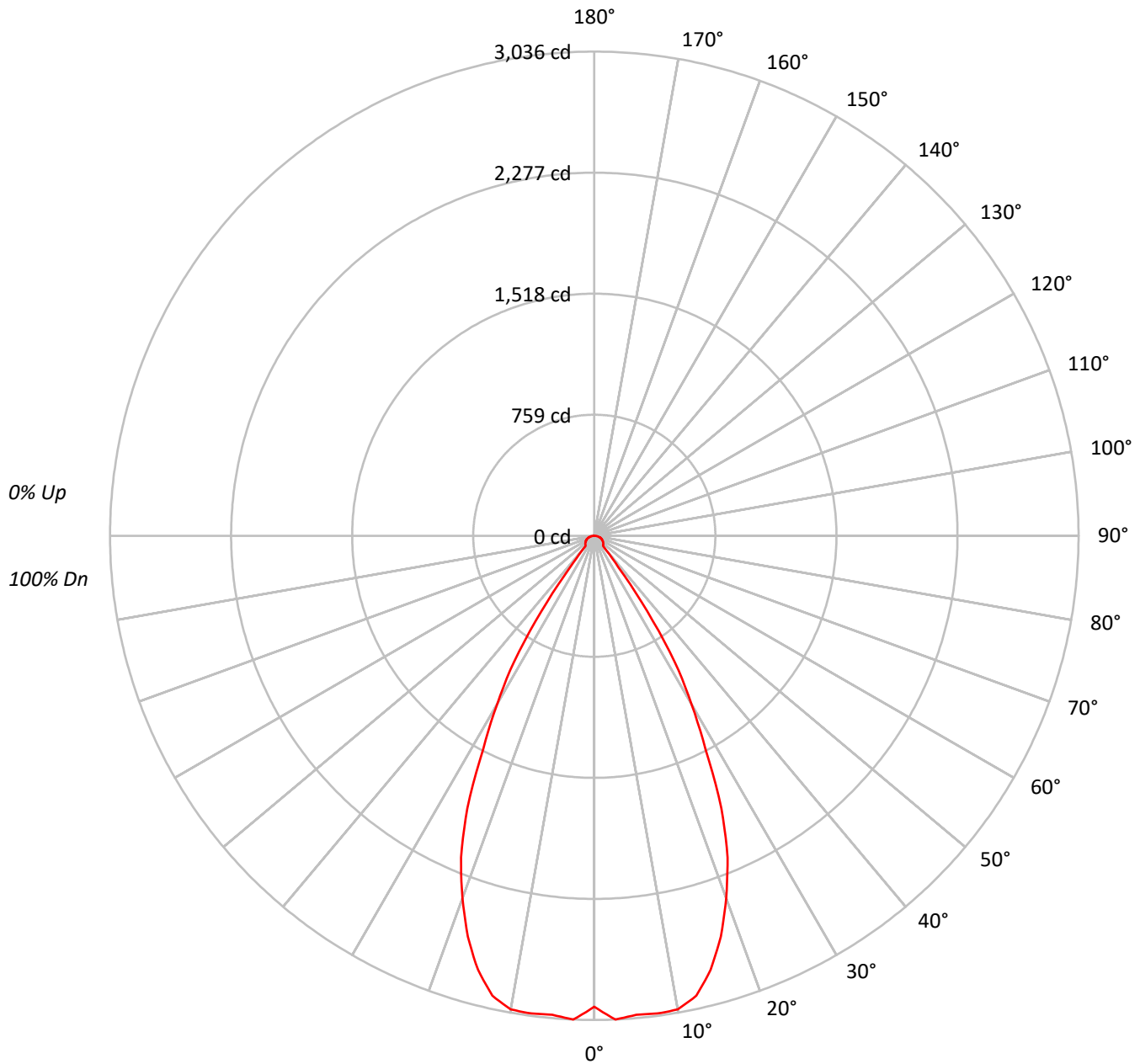


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	322702
5°	330636
10°	334625
15°	318781
20°	281066
25°	227332
30°	153768
35°	77055
40°	12494
45°	12238
50°	12476
55°	12668
60°	13024
65°	13314
70°	13641
75°	13804
80°	13276
85°	11032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 13804 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.1	11.6
10°-20°	779.5	31.3
20°-30°	838.7	33.7
30°-40°	364.6	14.7
40°-50°	61.2	2.5
50°-60°	59.5	2.4
60°-70°	50.9	2.0
70°-80°	34.1	1.4
80°-90°	10.2	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°	1906.4	76.7
0°-40°	2270.9	91.3
0°-60°	2391.7	96.2
0°-90°	2486.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2486.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2954	
5°	3015	288
15°	2818	780
25°	1886	839
35°	578	365
45°	79	61
55°	66	60
65°	52	51
75°	33	34
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2953.5
2.5°	3036.5
5°	3014.6
7.5°	3021.5
10°	3016.1
12.5°	2953.9
15°	2818.2
17.5°	2636.0
20°	2417.3
22.5°	2183.2
25°	1885.7
27.5°	1508.3
30°	1218.8
32.5°	939.4
35°	577.7
37.5°	247.1
40°	87.6
42.5°	80.7
45°	79.2
47.5°	76.5
50°	73.4
52.5°	70.0
55°	66.5
57.5°	63.0
60°	59.6
62.5°	55.7
65°	51.5
67.5°	47.3
70°	42.7
72.5°	37.7
75°	32.7
77.5°	26.9
80°	21.1
82.5°	15.0
85°	8.8
87.5°	3.1
90°	0.0



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— 0°-180°







(END OF REPORT)