

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: P784563

Luminaire Tested: LER4DD35BD010-EC4DR6020359050-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784563
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-EC4DR6020359050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3091.8 lumens
Efficiency: N/A
Efficacy: 100.4 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

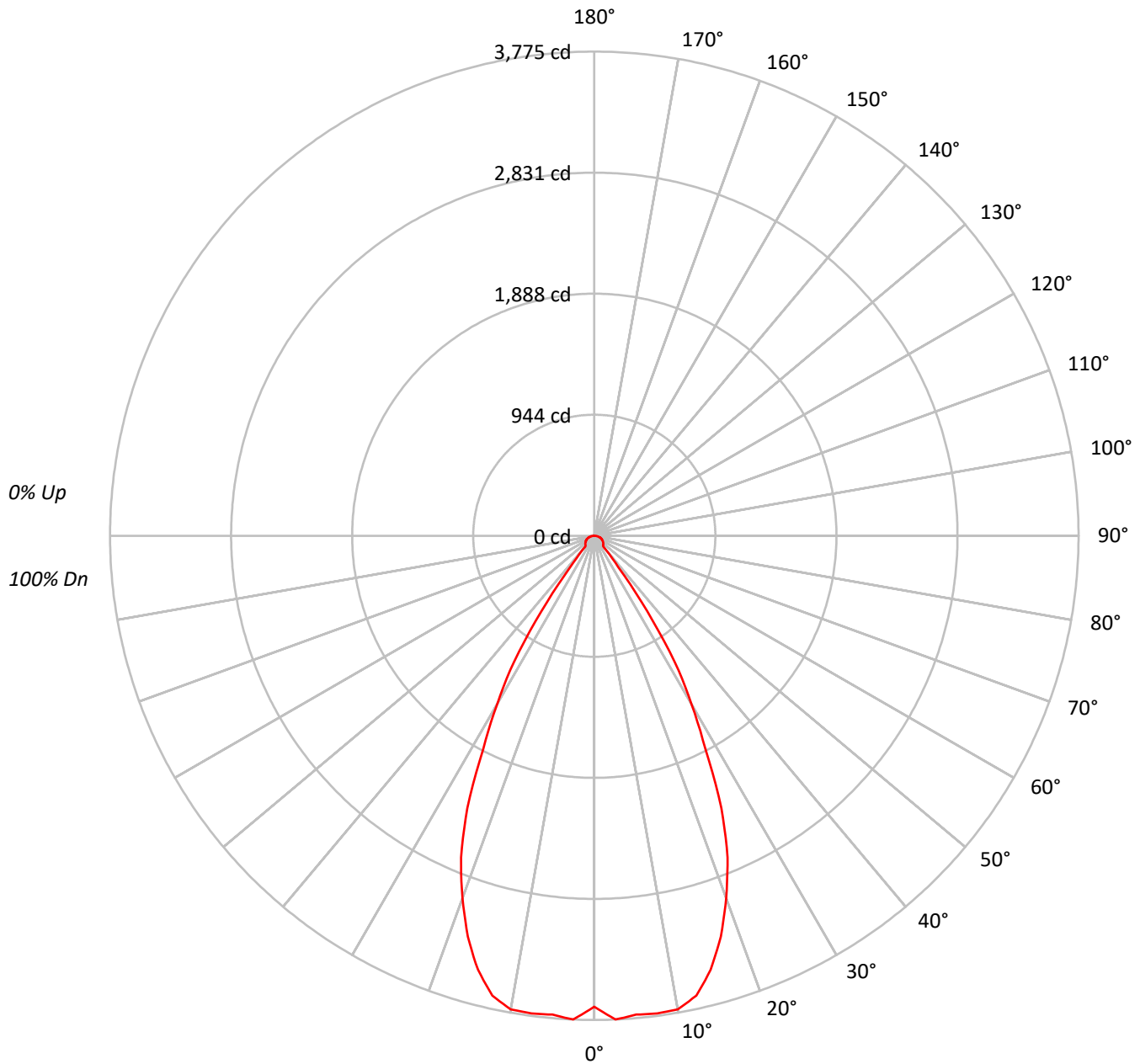


Downlight

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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°	401195
5°	411063
10°	416026
15°	396321
20°	349435
25°	282631
30°	191175
35°	95795
40°	15547
45°	15205
50°	15519
55°	15754
60°	16192
65°	16546
70°	16931
75°	17139
80°	16548
85°	13790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 17139 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.2	11.6
10°-20°	969.1	31.3
20°-30°	1042.7	33.7
30°-40°	453.3	14.7
40°-50°	76.1	2.5
50°-60°	74.0	2.4
60°-70°	63.3	2.0
70°-80°	42.4	1.4
80°-90°	12.7	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°	2370.1	76.7
0°-40°	2823.3	91.3
0°-60°	2973.5	96.2
0°-90°	3091.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3091.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3672	
5°	3748	358
15°	3504	969
25°	2344	1043
35°	718	453
45°	98	76
55°	83	74
65°	64	63
75°	41	42
85°	11	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3671.9
2.5°	3775.2
5°	3747.9
7.5°	3756.5
10°	3749.8
12.5°	3672.4
15°	3503.7
17.5°	3277.2
20°	3005.3
22.5°	2714.3
25°	2344.4
27.5°	1875.2
30°	1515.3
32.5°	1167.9
35°	718.2
37.5°	307.3
40°	109.0
42.5°	100.4
45°	98.4
47.5°	95.1
50°	91.3
52.5°	87.0
55°	82.7
57.5°	78.4
60°	74.1
62.5°	69.3
65°	64.0
67.5°	58.8
70°	53.0
72.5°	46.8
75°	40.6
77.5°	33.5
80°	26.3
82.5°	18.6
85°	11.0
87.5°	3.8
90°	0.0



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— 0°-180°







(END OF REPORT)