

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: P784555

Luminaire Tested: LER4DD35BD010-EC4DR6020359035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784555
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-EC4DR6020359035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2932.7 lumens
Efficiency: N/A
Efficacy: 95.2 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

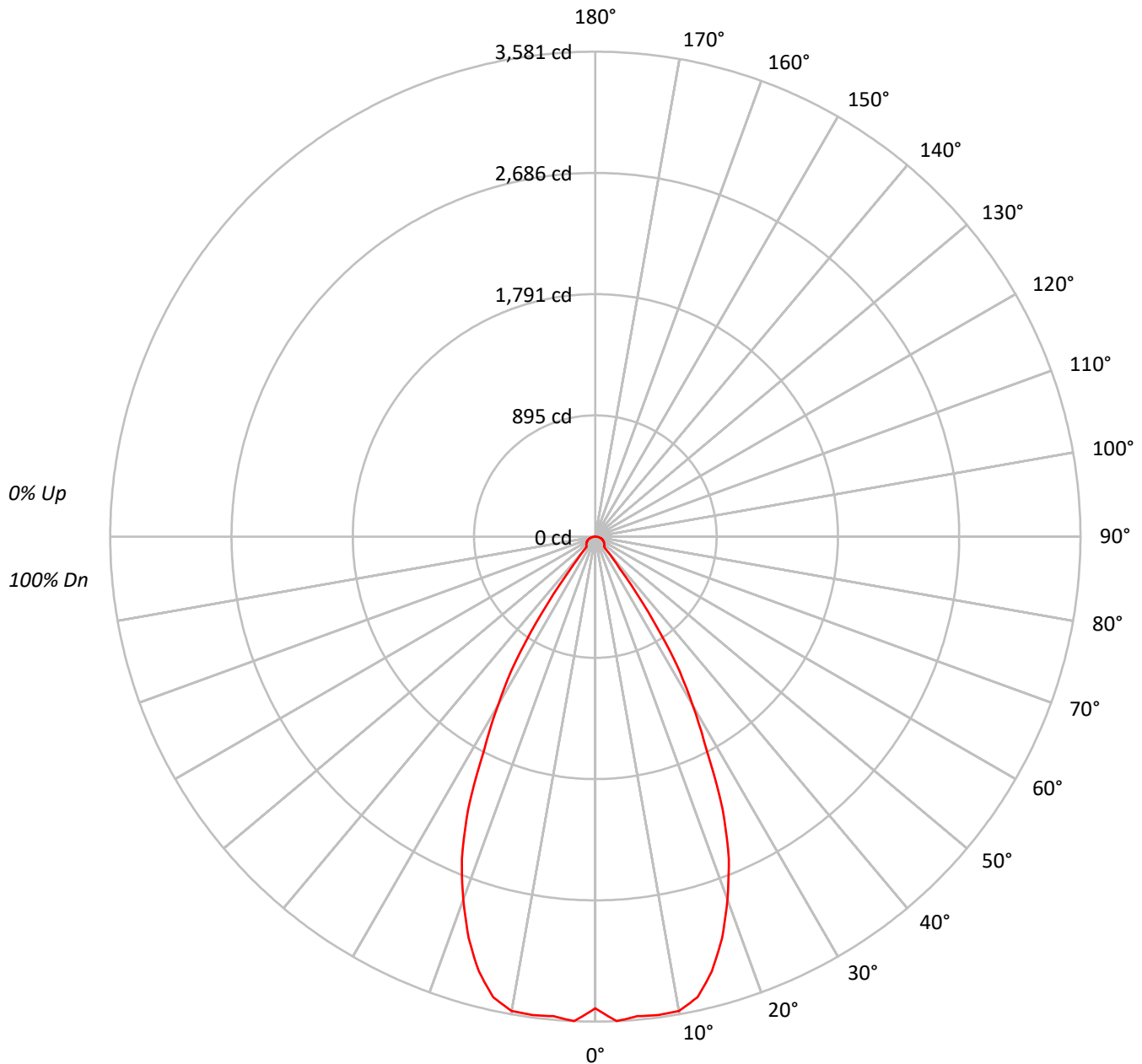


Downlight

TEST NUMBER: P784555

CATALOG NUMBER: LER4DD35BD010-EC4DR6020359035-4LBDP1MW

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°	380566
5°	389917
10°	394625
15°	375938
20°	331459
25°	268092
30°	181347
35°	90874
40°	14734
45°	14432
50°	14720
55°	14934
60°	15362
65°	15693
70°	16069
75°	16253
80°	15667
85°	13038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 16253 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.8	11.6
10°-20°	919.3	31.3
20°-30°	989.1	33.7
30°-40°	429.9	14.7
40°-50°	72.2	2.5
50°-60°	70.2	2.4
60°-70°	60.1	2.0
70°-80°	40.2	1.4
80°-90°	12.0	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°	2248.2	76.7
0°-40°	2678.1	91.3
0°-60°	2820.5	96.2
0°-90°	2932.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2932.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3483	
5°	3555	340
15°	3324	919
25°	2224	989
35°	681	430
45°	93	72
55°	78	70
65°	61	60
75°	38	40
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3483.1
2.5°	3581.0
5°	3555.1
7.5°	3563.3
10°	3556.9
12.5°	3483.5
15°	3323.5
17.5°	3108.6
20°	2850.7
22.5°	2574.7
25°	2223.8
27.5°	1778.7
30°	1437.4
32.5°	1107.8
35°	681.3
37.5°	291.5
40°	103.3
42.5°	95.2
45°	93.4
47.5°	90.2
50°	86.6
52.5°	82.5
55°	78.4
57.5°	74.3
60°	70.3
62.5°	65.7
65°	60.7
67.5°	55.8
70°	50.3
72.5°	44.4
75°	38.5
77.5°	31.7
80°	24.9
82.5°	17.7
85°	10.4
87.5°	3.6
90°	0.0



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— 0°-180°







(END OF REPORT)