

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: P784455

Luminaire Tested: LER4DD35BD010-EC4DR4020359030-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P784455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR4020359030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3165.1 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

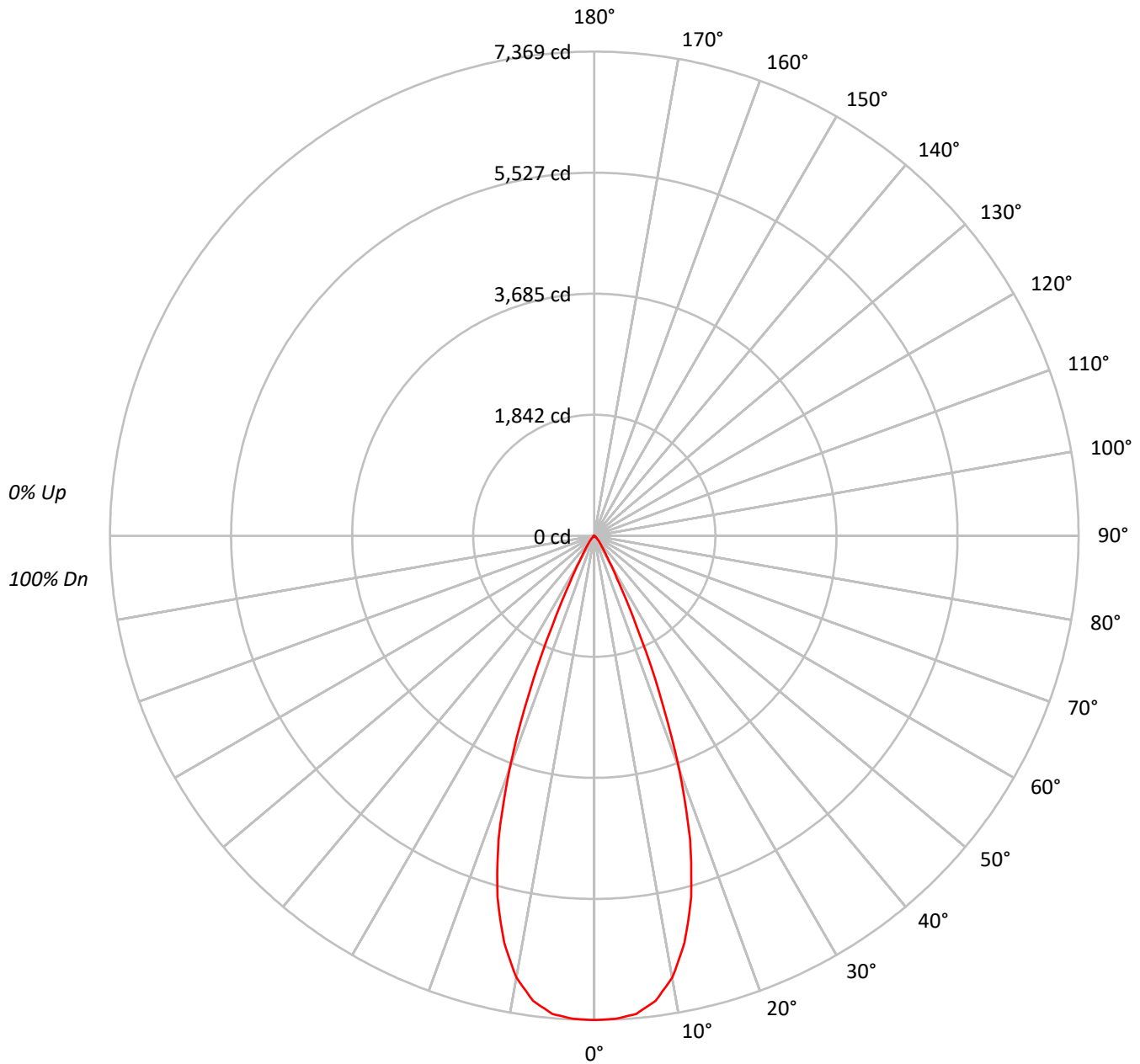


Downlight

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Luminous Intensity Polar Plot





TEST NUMBER: P784455

CATALOG NUMBER: LER4DD35BD010-EC4DR4020359030-4LB DP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				50				30				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96						
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92						
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88						
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84						
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81						
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77						
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74						
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72						
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69						
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	805153
5°	801242
10°	757353
15°	643840
20°	438825
25°	183100
30°	57568
35°	26757
40°	14791
45°	6783
50°	3298
55°	1810
60°	940
65°	336
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6783 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	682.1	21.6
10°-20°	1528.2	48.3
20°-30°	765.0	24.2
30°-40°	140.2	4.4
40°-50°	38.7	1.2
50°-60°	9.1	0.3
60°-70°	1.8	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	2975.3	94.0
0°-40°	3115.5	98.4
0°-60°	3163.3	99.9
0°-90°	3165.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3165.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7369	
5°	7305	682
15°	5692	1528
25°	1519	765
35°	201	140
45°	44	39
55°	10	9
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7369.1
2.5°	7358.4
5°	7305.4
7.5°	7136.7
10°	6826.3
12.5°	6342.4
15°	5691.9
17.5°	4846.0
20°	3774.1
22.5°	2573.0
25°	1518.8
27.5°	802.9
30°	456.3
32.5°	294.9
35°	200.6
37.5°	143.4
40°	103.7
42.5°	71.0
45°	43.9
47.5°	28.0
50°	19.4
52.5°	13.8
55°	9.5
57.5°	6.0
60°	4.3
62.5°	2.6
65°	1.3
67.5°	0.9
70°	0.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)