

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: P784607

Luminaire Tested: LER4DD35BD010-EC4DR7020359040-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR7020359040-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2665.2 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

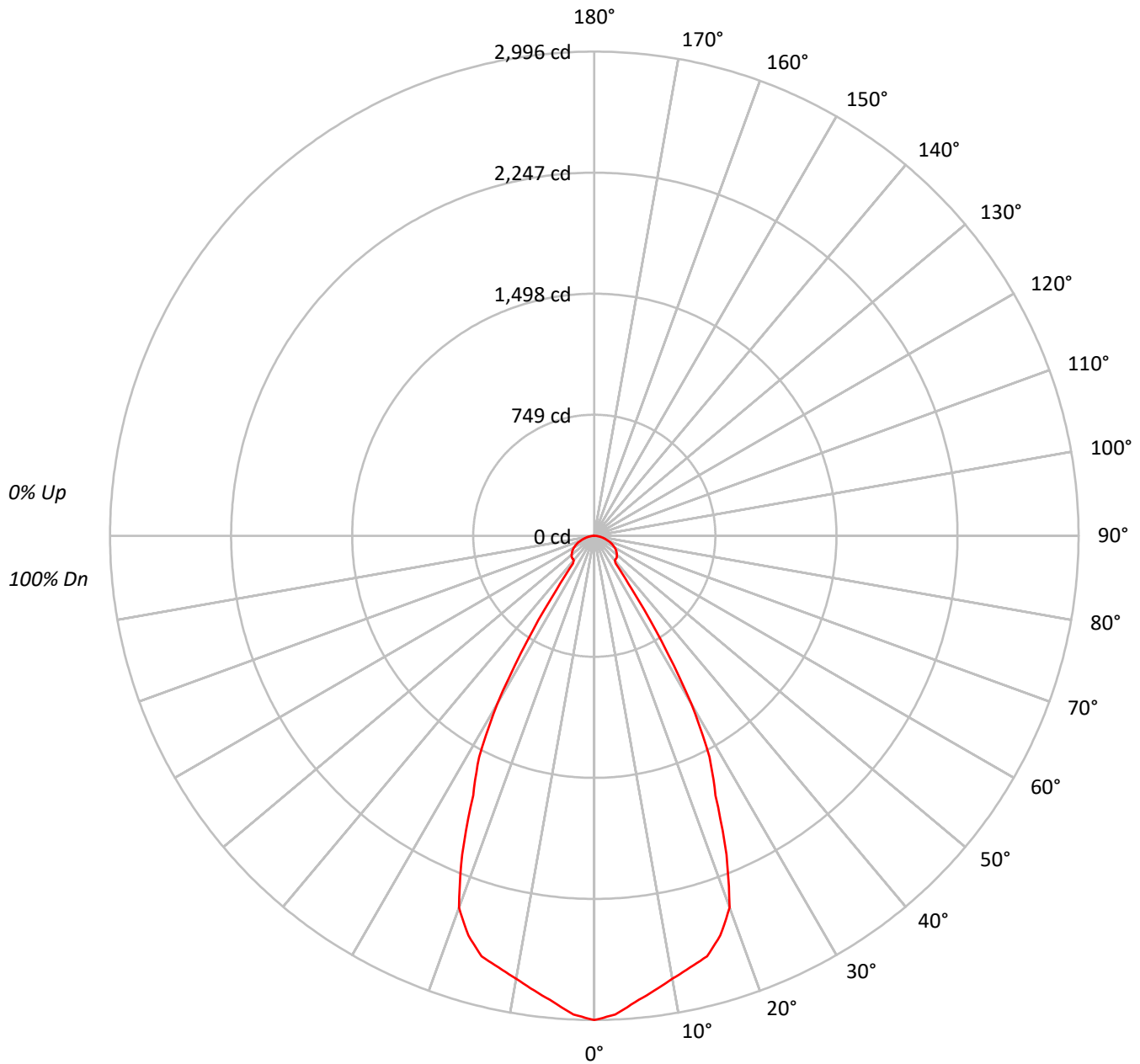


Downlight

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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				0
RW	70	50	30	10	70	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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	327389
5°	317661
10°	308808
15°	304755
20°	284578
25°	213794
30°	151131
35°	53540
40°	28155
45°	29976
50°	31055
55°	31621
60°	31817
65°	31153
70°	29390
75°	27229
80°	24162
85°	19682

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 31845 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.2	10.3
10°-20°	749.3	28.1
20°-30°	825.3	31.0
30°-40°	315.3	11.8
40°-50°	148.9	5.6
50°-60°	148.0	5.6
60°-70°	118.5	4.4
70°-80°	68.1	2.6
80°-90°	18.5	0.7
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°	1847.8	69.3
0°-40°	2163.1	81.2
0°-60°	2460.0	92.3
0°-90°	2665.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2665.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2996	
5°	2896	273
15°	2694	749
25°	1773	825
35°	401	315
45°	194	149
55°	166	148
65°	120	119
75°	64	68
85°	16	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2996.4
2.5°	2965.1
5°	2896.3
7.5°	2838.9
10°	2783.4
12.5°	2736.4
15°	2694.2
17.5°	2592.2
20°	2447.5
22.5°	2135.3
25°	1773.4
27.5°	1543.8
30°	1197.9
32.5°	773.8
35°	401.4
37.5°	216.8
40°	197.4
42.5°	195.9
45°	194.0
47.5°	189.8
50°	182.7
52.5°	174.6
55°	166.0
57.5°	156.6
60°	145.6
62.5°	133.3
65°	120.5
67.5°	106.3
70°	92.0
72.5°	77.8
75°	64.5
77.5°	50.8
80°	38.4
82.5°	27.0
85°	15.7
87.5°	6.2
90°	0.0



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— 0°-180°







(END OF REPORT)