

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: P784559

Luminaire Tested: LER4DD35BD010-EC4DR6020359040-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784559
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-EC4DR6020359040-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3069.9 lumens
Efficiency: N/A
Efficacy: 99.7 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

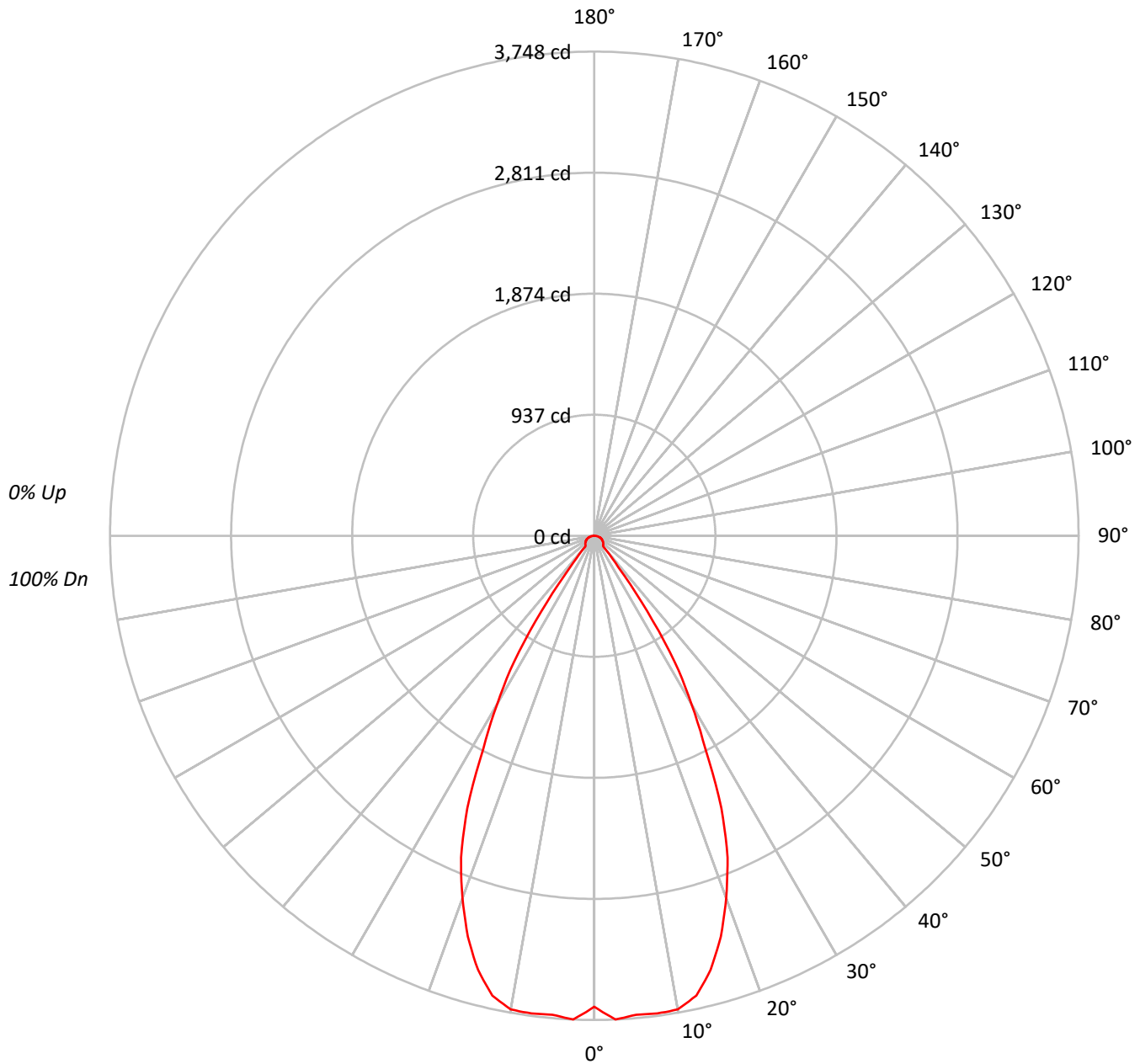


Downlight

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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				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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93						
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86						
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80						
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75						
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70						
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66						
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62						
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59						
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55						
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	398354
5°	408145
10°	413075
15°	393516
20°	346958
25°	280630
30°	189826
35°	95115
40°	15433
45°	15096
50°	15400
55°	15639
60°	16061
65°	16443
70°	16835
75°	17013
80°	16422
85°	13665

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 17013 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.7	11.6
10°-20°	962.3	31.3
20°-30°	1035.3	33.7
30°-40°	450.0	14.7
40°-50°	75.6	2.5
50°-60°	73.5	2.4
60°-70°	62.9	2.0
70°-80°	42.1	1.4
80°-90°	12.6	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°	2353.3	76.7
0°-40°	2803.3	91.3
0°-60°	2952.4	96.2
0°-90°	3069.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3069.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3646	
5°	3721	356
15°	3479	962
25°	2328	1035
35°	713	450
45°	98	76
55°	82	73
65°	64	63
75°	40	42
85°	11	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3645.9
2.5°	3748.4
5°	3721.3
7.5°	3729.9
10°	3723.2
12.5°	3646.4
15°	3478.9
17.5°	3254.0
20°	2984.0
22.5°	2695.0
25°	2327.8
27.5°	1861.9
30°	1504.6
32.5°	1159.6
35°	713.1
37.5°	305.1
40°	108.2
42.5°	99.6
45°	97.7
47.5°	94.4
50°	90.6
52.5°	86.4
55°	82.1
57.5°	77.8
60°	73.5
62.5°	68.8
65°	63.6
67.5°	58.4
70°	52.7
72.5°	46.5
75°	40.3
77.5°	33.2
80°	26.1
82.5°	18.5
85°	10.9
87.5°	3.8
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)