

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: P784553

Luminaire Tested: LER4DD35BD010-EC4DR6020359035-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784553
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-EC4DR6020359035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3238.5 lumens
Efficiency: N/A
Efficacy: 105.1 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

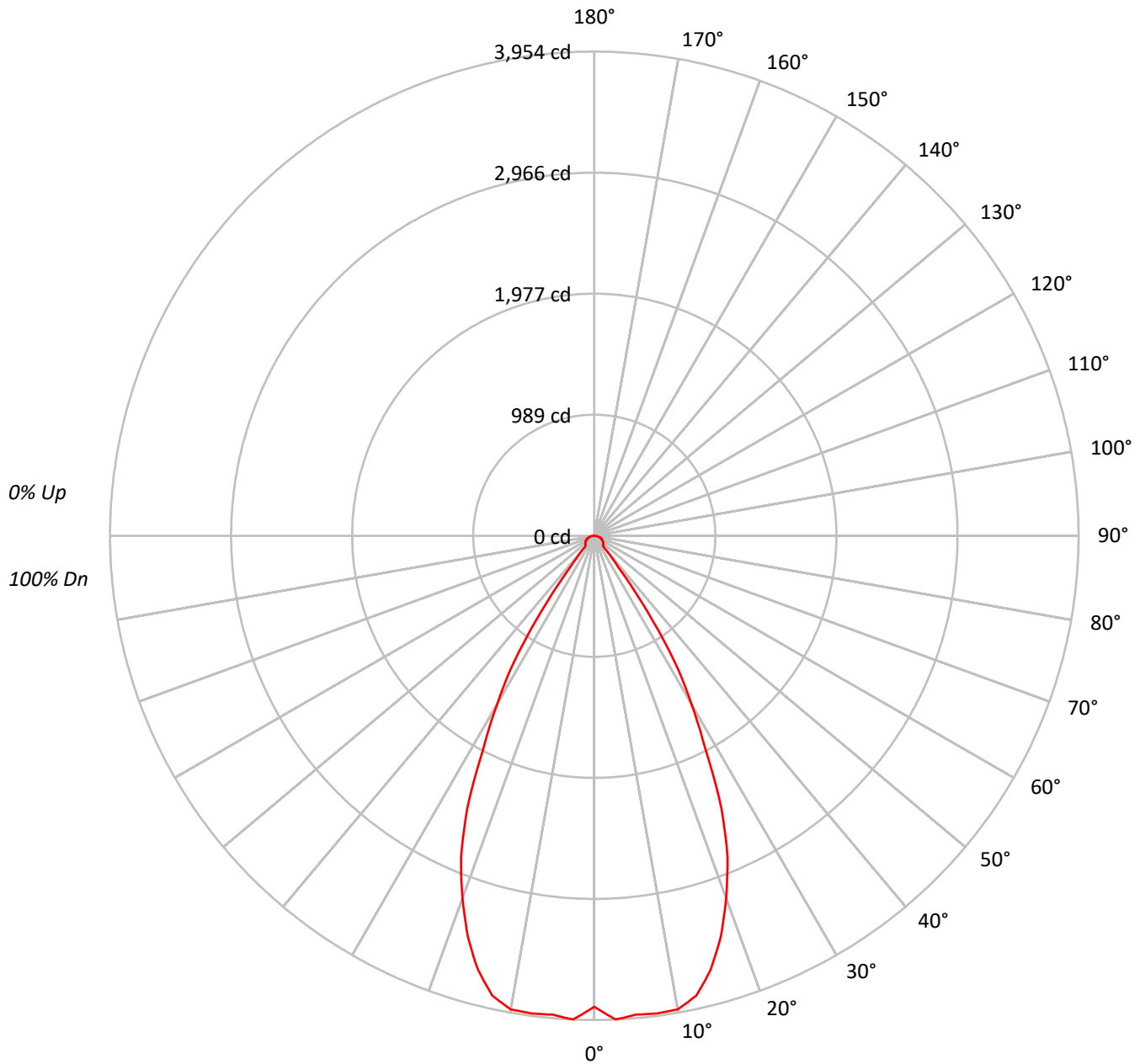


Downlight

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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°	420228
5°	430563
10°	435764
15°	415121
20°	366004
25°	296037
30°	200247
35°	100344
40°	16274
45°	15931
50°	16250
55°	16496
60°	16957
65°	17348
70°	17762
75°	17941
80°	17303
85°	14417

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 17941 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.2	11.6
10°-20°	1015.1	31.3
20°-30°	1092.2	33.7
30°-40°	474.7	14.7
40°-50°	79.7	2.5
50°-60°	77.5	2.4
60°-70°	66.3	2.0
70°-80°	44.4	1.4
80°-90°	13.3	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°	2482.5	76.7
0°-40°	2957.2	91.3
0°-60°	3114.5	96.2
0°-90°	3238.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3238.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3846	
5°	3926	375
15°	3670	1015
25°	2456	1092
35°	752	475
45°	103	80
55°	87	78
65°	67	66
75°	42	44
85°	12	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3846.1
2.5°	3954.2
5°	3925.7
7.5°	3934.7
10°	3927.7
12.5°	3846.6
15°	3669.9
17.5°	3432.6
20°	3147.8
22.5°	2843.0
25°	2455.6
27.5°	1964.1
30°	1587.2
32.5°	1223.3
35°	752.3
37.5°	321.8
40°	114.1
42.5°	105.1
45°	103.1
47.5°	99.6
50°	95.6
52.5°	91.1
55°	86.6
57.5°	82.1
60°	77.6
62.5°	72.6
65°	67.1
67.5°	61.6
70°	55.6
72.5°	49.1
75°	42.5
77.5°	35.0
80°	27.5
82.5°	19.5
85°	11.5
87.5°	4.0
90°	0.0



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— 0°-180°







(END OF REPORT)