

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: P784605

Luminaire Tested: LER4DD35BD010-EC4DR7020359040-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784605
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-EC4DR7020359040-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3412.1 lumens
Efficiency: N/A
Efficacy: 110.8 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

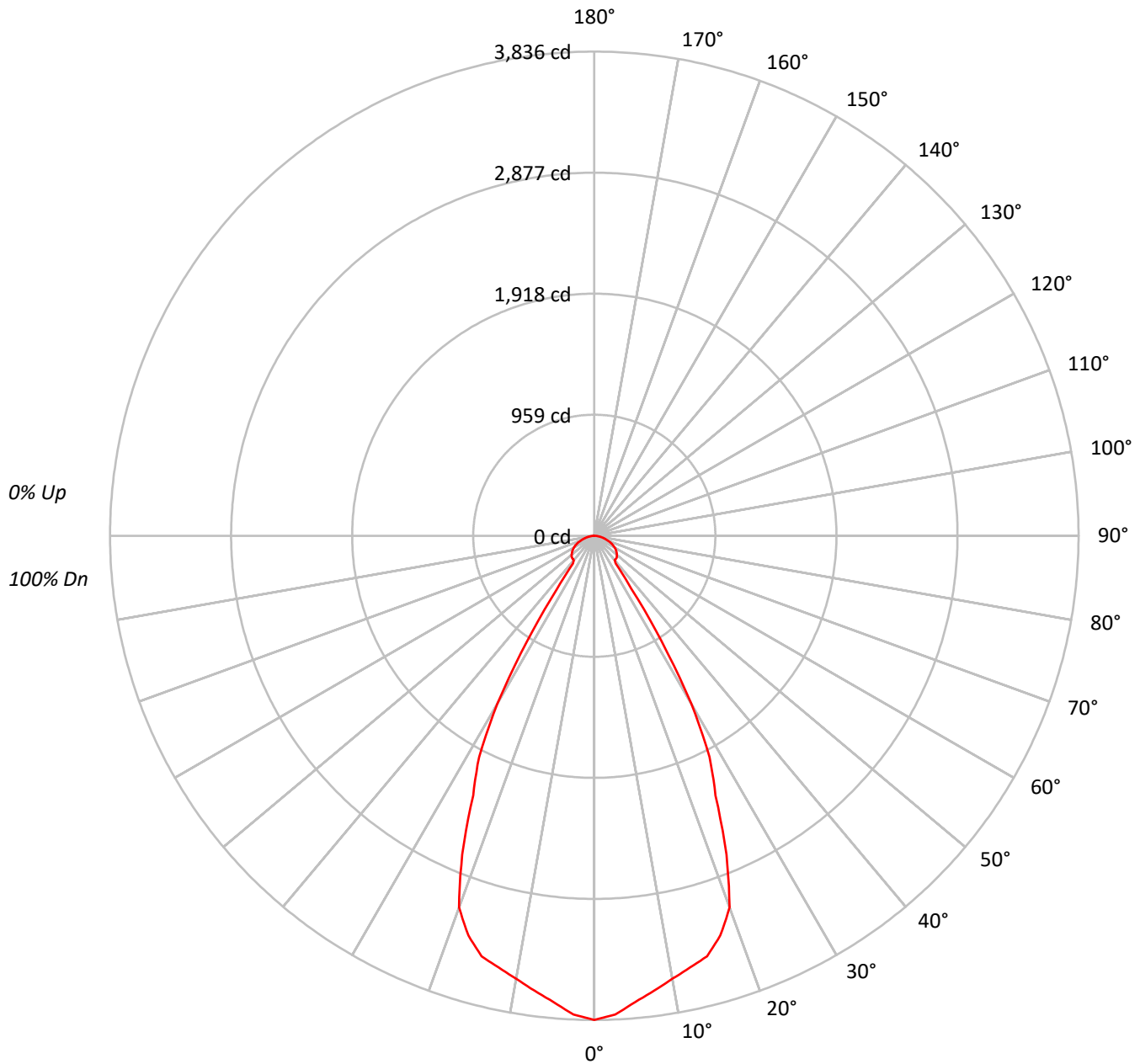


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	419146
5°	406686
10°	395357
15°	390168
20°	364329
25°	273710
30°	193484
35°	68532
40°	36043
45°	38382
50°	39741
55°	40498
60°	40754
65°	39892
70°	37632
75°	34870
80°	30957
85°	25073

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 40754 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.7	10.3
10°-20°	959.3	28.1
20°-30°	1056.6	31.0
30°-40°	403.7	11.8
40°-50°	190.6	5.6
50°-60°	189.5	5.6
60°-70°	151.7	4.4
70°-80°	87.2	2.6
80°-90°	23.7	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°	2365.7	69.3
0°-40°	2769.3	81.2
0°-60°	3149.4	92.3
0°-90°	3412.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3412.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3836	
5°	3708	350
15°	3449	959
25°	2270	1057
35°	514	404
45°	248	191
55°	213	189
65°	154	152
75°	83	87
85°	20	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3836.2
2.5°	3796.1
5°	3708.0
7.5°	3634.5
10°	3563.5
12.5°	3503.3
15°	3449.3
17.5°	3318.7
20°	3133.4
22.5°	2733.8
25°	2270.4
27.5°	1976.4
30°	1533.6
32.5°	990.6
35°	513.8
37.5°	277.6
40°	252.7
42.5°	250.8
45°	248.4
47.5°	242.9
50°	233.8
52.5°	223.5
55°	212.6
57.5°	200.4
60°	186.5
62.5°	170.7
65°	154.3
67.5°	136.1
70°	117.8
72.5°	99.6
75°	82.6
77.5°	65.0
80°	49.2
82.5°	34.6
85°	20.0
87.5°	7.9
90°	0.0



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— 0°-180°







(END OF REPORT)