

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: P784597

Luminaire Tested: LER4DD35BD010-EC4DR7020359030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784597
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-EC4DR7020359030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3225.7 lumens
Efficiency: N/A
Efficacy: 104.7 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

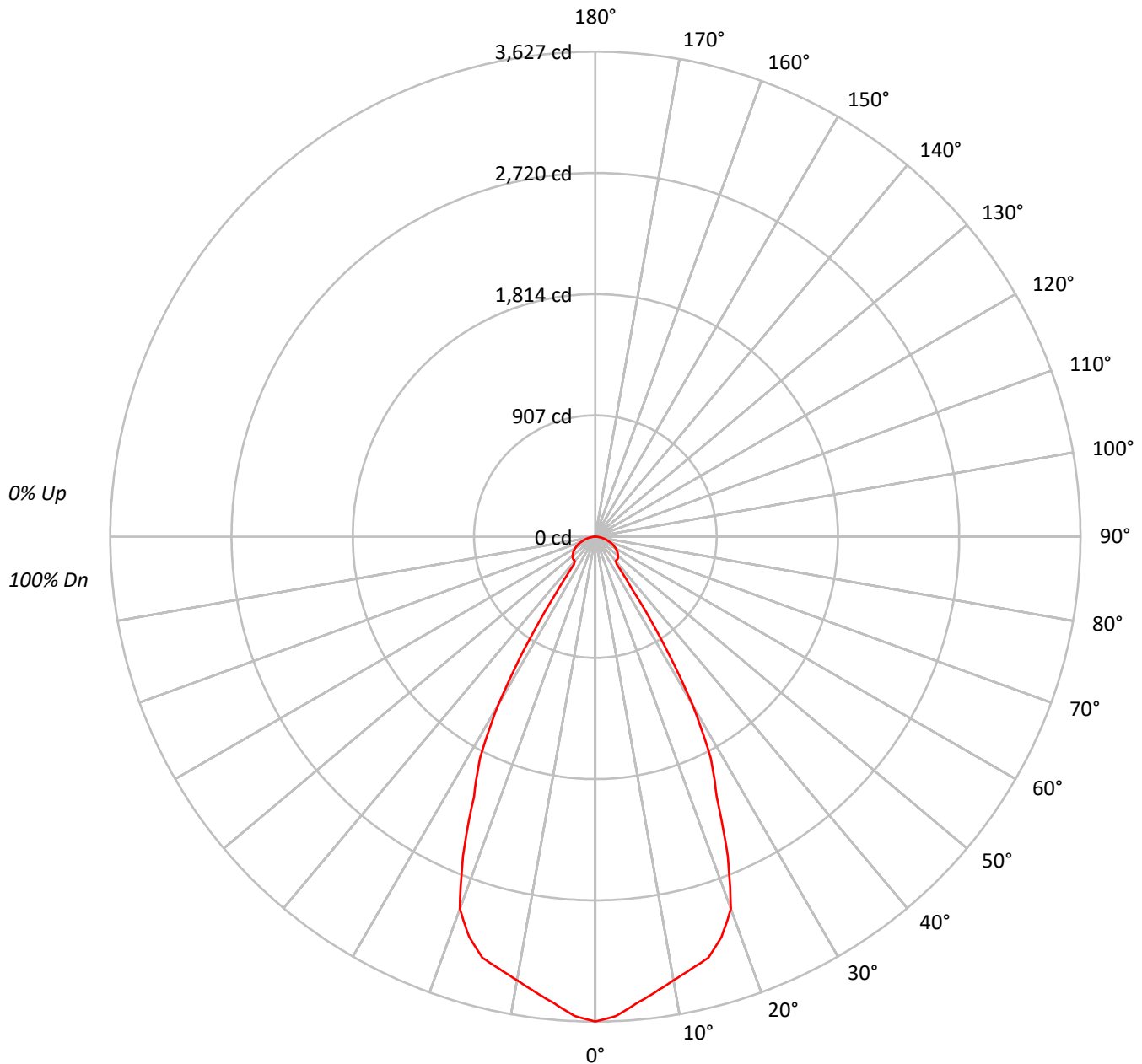


Downlight

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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°	396245
5°	384477
10°	373756
15°	368857
20°	344435
25°	258761
30°	182924
35°	64797
40°	34074
45°	36281
50°	37582
55°	38289
60°	38525
65°	37694
70°	35588
75°	32970
80°	29258
85°	23694

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 38535 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.6	10.3
10°-20°	906.9	28.1
20°-30°	998.9	31.0
30°-40°	381.6	11.8
40°-50°	180.2	5.6
50°-60°	179.2	5.6
60°-70°	143.4	4.4
70°-80°	82.4	2.6
80°-90°	22.4	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°	2236.5	69.3
0°-40°	2618.1	81.2
0°-60°	2977.5	92.3
0°-90°	3225.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3225.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3627	
5°	3506	331
15°	3261	907
25°	2146	999
35°	486	382
45°	235	180
55°	201	179
65°	146	143
75°	78	82
85°	19	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3626.6
2.5°	3588.7
5°	3505.5
7.5°	3436.0
10°	3368.8
12.5°	3312.0
15°	3260.9
17.5°	3137.4
20°	2962.3
22.5°	2584.5
25°	2146.4
27.5°	1868.4
30°	1449.9
32.5°	936.5
35°	485.8
37.5°	262.4
40°	238.9
42.5°	237.1
45°	234.8
47.5°	229.7
50°	221.1
52.5°	211.3
55°	201.0
57.5°	189.5
60°	176.3
62.5°	161.3
65°	145.8
67.5°	128.6
70°	111.4
72.5°	94.2
75°	78.1
77.5°	61.4
80°	46.5
82.5°	32.7
85°	18.9
87.5°	7.5
90°	0.0



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— 0°-180°







(END OF REPORT)