

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: P784570

Luminaire Tested: LER4DD35BD010-EC4DR6520359027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR6520359027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2854.0 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

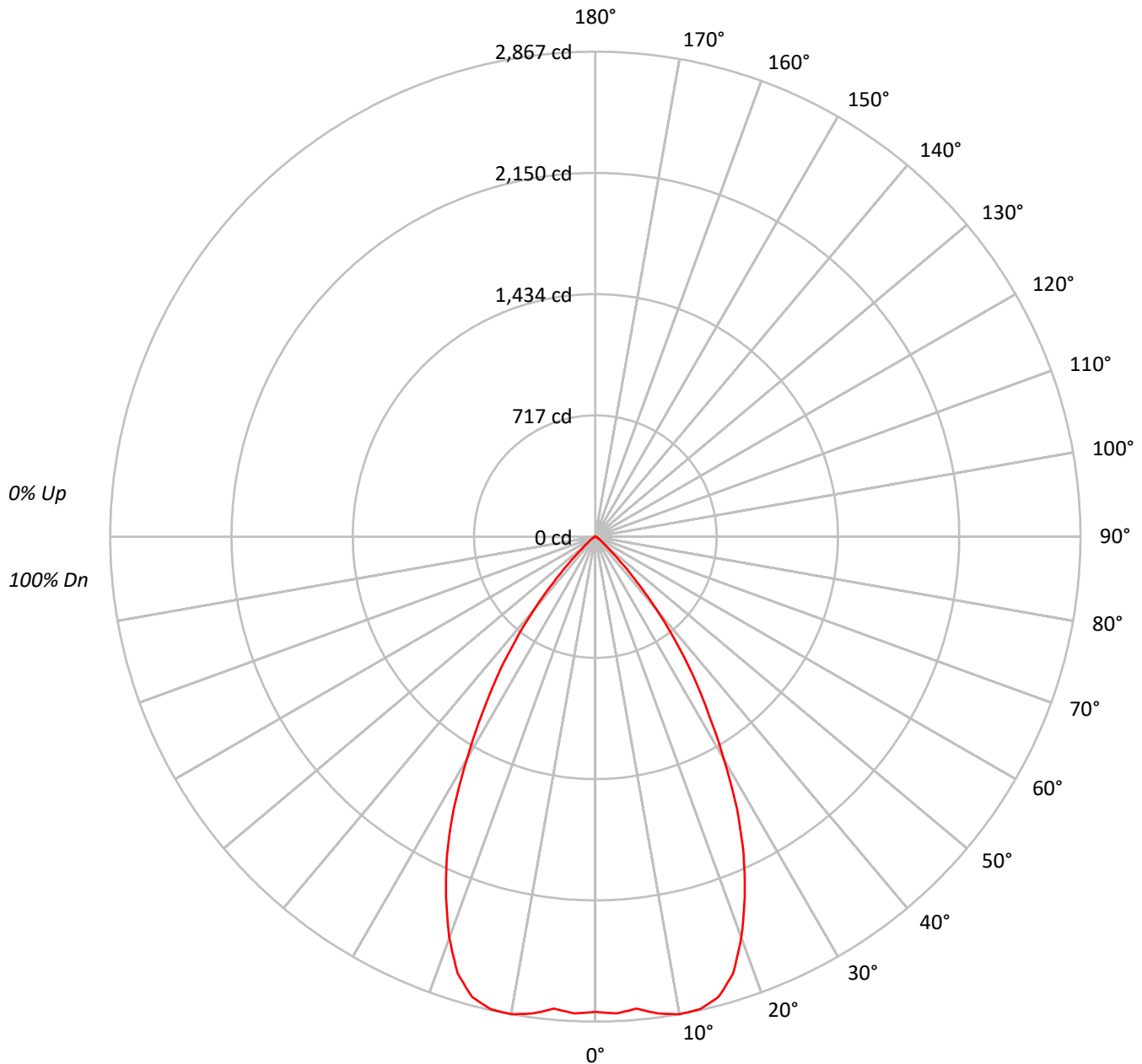


Downlight

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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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	307012
5°	307263
10°	318083
15°	318611
20°	293333
25°	249936
30°	191339
35°	135170
40°	79787
45°	32387
50°	11746
55°	6534
60°	3759
65°	2068
70°	2172
75°	1689
80°	1762
85°	1504

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32387 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.6	9.5
10°-20°	780.5	27.3
20°-30°	936.4	32.8
30°-40°	629.3	22.0
40°-50°	188.4	6.6
50°-60°	33.3	1.2
60°-70°	9.5	0.3
70°-80°	4.6	0.2
80°-90°	1.5	0.1
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°	1987.5	69.6
0°-40°	2616.7	91.7
0°-60°	2838.4	99.5
0°-90°	2854.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2854.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2810	
5°	2802	271
15°	2817	780
25°	2073	936
35°	1013	629
45°	210	188
55°	34	33
65°	8	9
75°	4	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2809.9
2.5°	2821.9
5°	2801.5
7.5°	2843.8
10°	2867.0
12.5°	2861.4
15°	2816.7
17.5°	2707.3
20°	2522.8
22.5°	2305.6
25°	2073.2
27.5°	1810.8
30°	1516.6
32.5°	1249.8
35°	1013.4
37.5°	779.8
40°	559.4
42.5°	365.4
45°	209.6
47.5°	111.0
50°	69.1
52.5°	47.9
55°	34.3
57.5°	24.8
60°	17.2
62.5°	11.2
65°	8.0
67.5°	7.2
70°	6.8
72.5°	5.2
75°	4.0
77.5°	3.6
80°	2.8
82.5°	2.0
85°	1.2
87.5°	0.8
90°	0.0



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— 0°-180°







(END OF REPORT)