

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: P784571

Luminaire Tested: LER4DD35BD010-EC4DR6520359027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784571
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-EC4DR6520359027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2345.2 lumens
Efficiency: N/A
Efficacy: 76.1 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

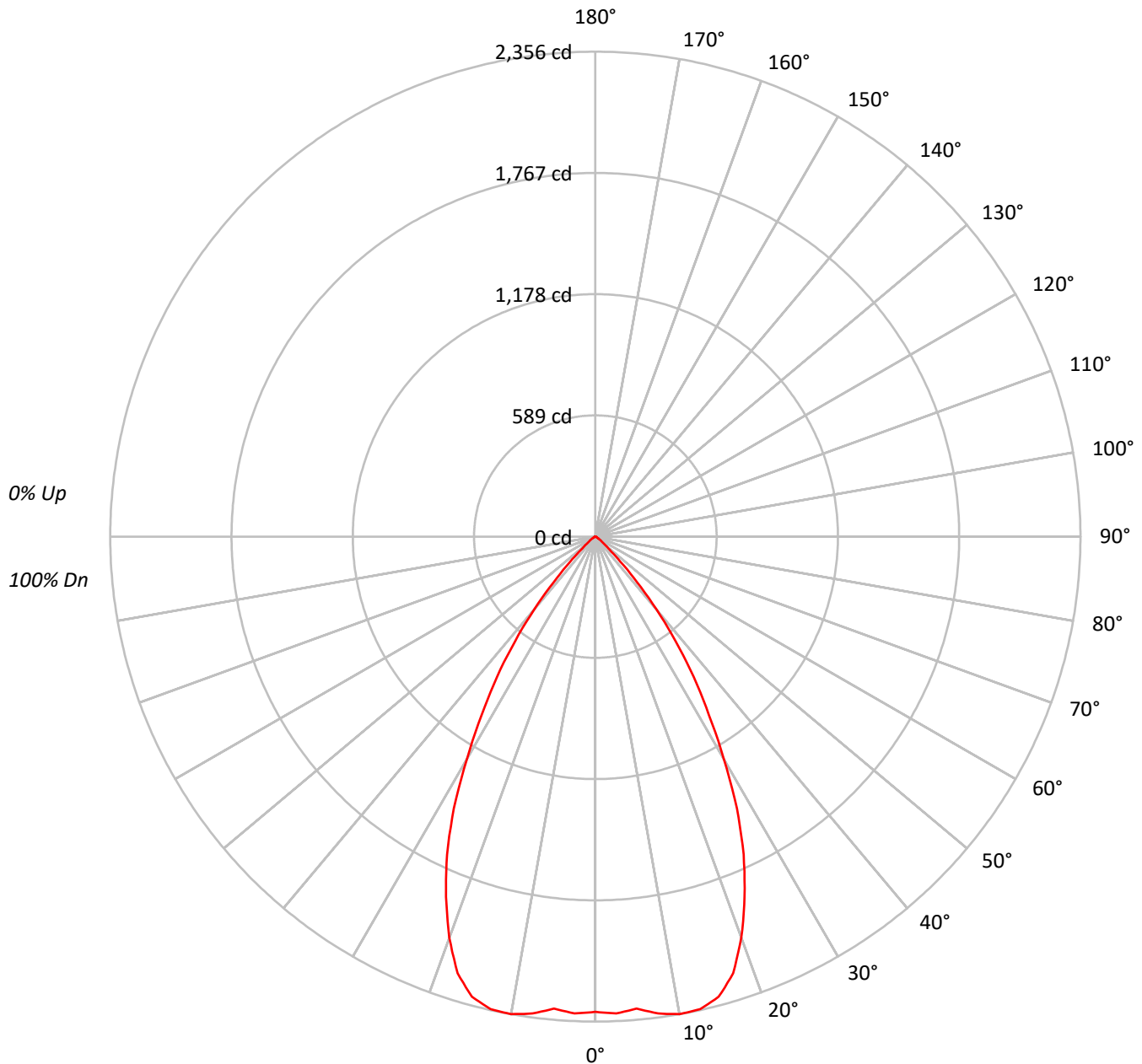


Downlight

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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°	252272
5°	252479
10°	261367
15°	261805
20°	241034
25°	205379
30°	157225
35°	111068
40°	65567
45°	26623
50°	9655
55°	5372
60°	3081
65°	1706
70°	1789
75°	1393
80°	1447
85°	1254

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26623 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.3	9.5
10°-20°	641.3	27.3
20°-30°	769.5	32.8
30°-40°	517.1	22.0
40°-50°	154.8	6.6
50°-60°	27.3	1.2
60°-70°	7.8	0.3
70°-80°	3.8	0.2
80°-90°	1.2	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°	1633.1	69.6
0°-40°	2150.2	91.7
0°-60°	2332.3	99.5
0°-90°	2345.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2345.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2309	
5°	2302	222
15°	2314	641
25°	1704	769
35°	833	517
45°	172	155
55°	28	27
65°	7	8
75°	3	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2308.9
2.5°	2318.8
5°	2302.0
7.5°	2336.8
10°	2355.8
12.5°	2351.2
15°	2314.5
17.5°	2224.6
20°	2073.0
22.5°	1894.5
25°	1703.6
27.5°	1488.0
30°	1246.2
32.5°	1027.0
35°	832.7
37.5°	640.8
40°	459.7
42.5°	300.2
45°	172.3
47.5°	91.2
50°	56.8
52.5°	39.4
55°	28.2
57.5°	20.3
60°	14.1
62.5°	9.2
65°	6.6
67.5°	5.9
70°	5.6
72.5°	4.3
75°	3.3
77.5°	3.0
80°	2.3
82.5°	1.6
85°	1.0
87.5°	0.7
90°	0.0



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— 0°-180°







(END OF REPORT)