

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: P785274

Luminaire Tested: LER4DD50D010-EC4DR6040509035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P785274
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: LER4DD50D010-EC4DR6040509035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF 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: 5149.6 lumens
Efficiency: N/A
Efficacy: 109.6 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): 47
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

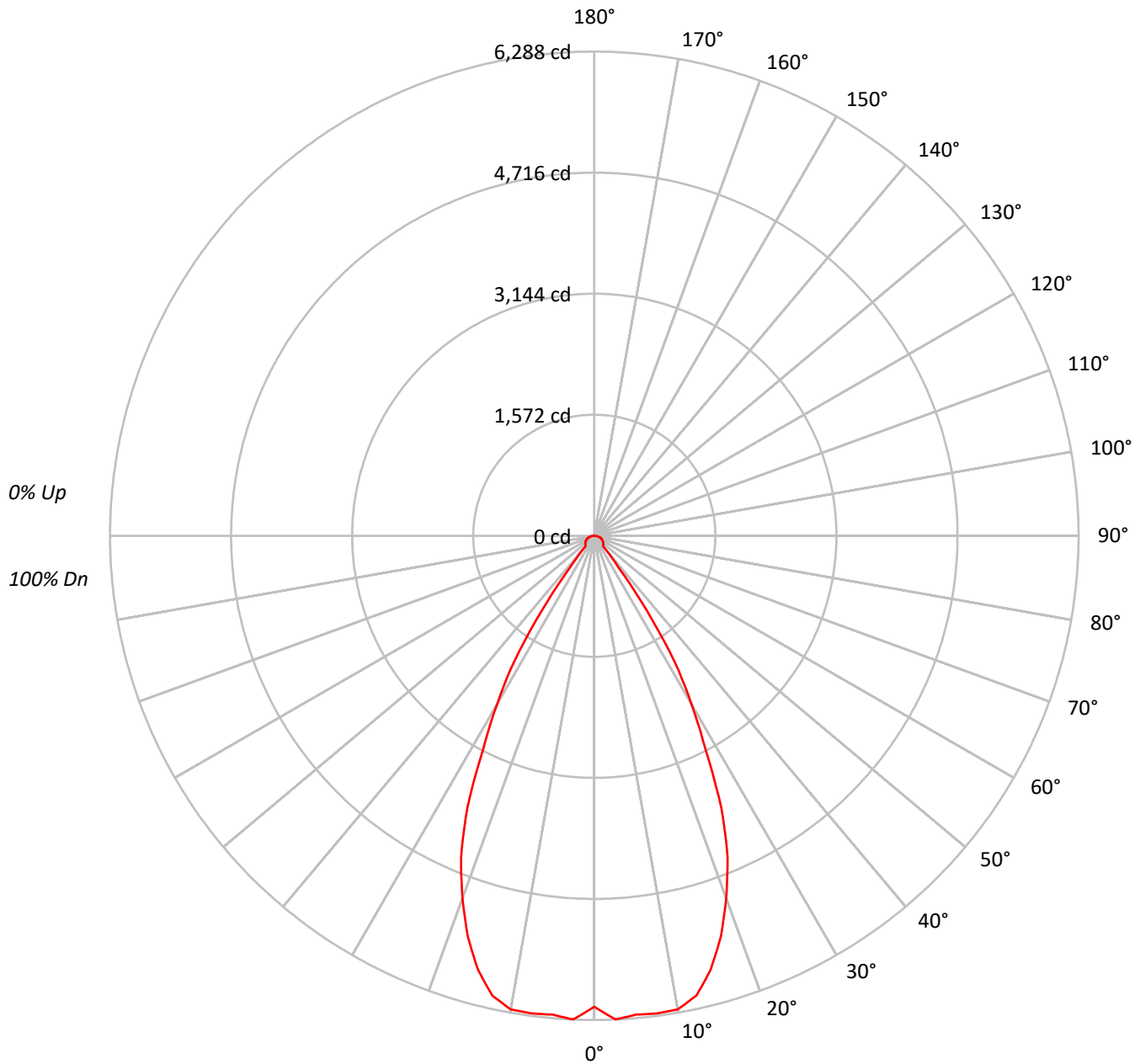


Downlight

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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	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	668206
5°	684644
10°	692915
15°	660094
20°	581992
25°	470735
30°	318411
35°	159552
40°	25887
45°	25341
50°	25837
55°	26231
60°	26966
65°	27585
70°	28208
75°	28580
80°	27559
85°	22941

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 28580 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.6	11.6
10°-20°	1614.1	31.3
20°-30°	1736.7	33.7
30°-40°	754.9	14.7
40°-50°	126.8	2.5
50°-60°	123.3	2.4
60°-70°	105.5	2.0
70°-80°	70.6	1.4
80°-90°	21.1	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°	3947.4	76.7
0°-40°	4702.3	91.3
0°-60°	4952.4	96.2
0°-90°	5149.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5149.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6116	
5°	6242	597
15°	5836	1614
25°	3905	1737
35°	1196	755
45°	164	127
55°	138	123
65°	107	105
75°	68	71
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6115.7
2.5°	6287.6
5°	6242.3
7.5°	6256.6
10°	6245.5
12.5°	6116.5
15°	5835.6
17.5°	5458.3
20°	5005.4
22.5°	4520.7
25°	3904.7
27.5°	3123.1
30°	2523.8
32.5°	1945.2
35°	1196.2
37.5°	511.8
40°	181.5
42.5°	167.1
45°	164.0
47.5°	158.4
50°	152.0
52.5°	144.9
55°	137.7
57.5°	130.5
60°	123.4
62.5°	115.4
65°	106.7
67.5°	97.9
70°	88.3
72.5°	78.0
75°	67.7
77.5°	55.7
80°	43.8
82.5°	31.0
85°	18.3
87.5°	6.4
90°	0.0



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— 0°-180°







(END OF REPORT)