

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: P756682

Luminaire Tested: LD4D95BD010-EU4DR6570959030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756682
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: LD4D95BD010-EU4DR6570959030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8099.8 lumens
Efficiency: N/A
Efficacy: 81.7 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): 99.2
Input Voltage (V): NR
Input Current (A_{in}): 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

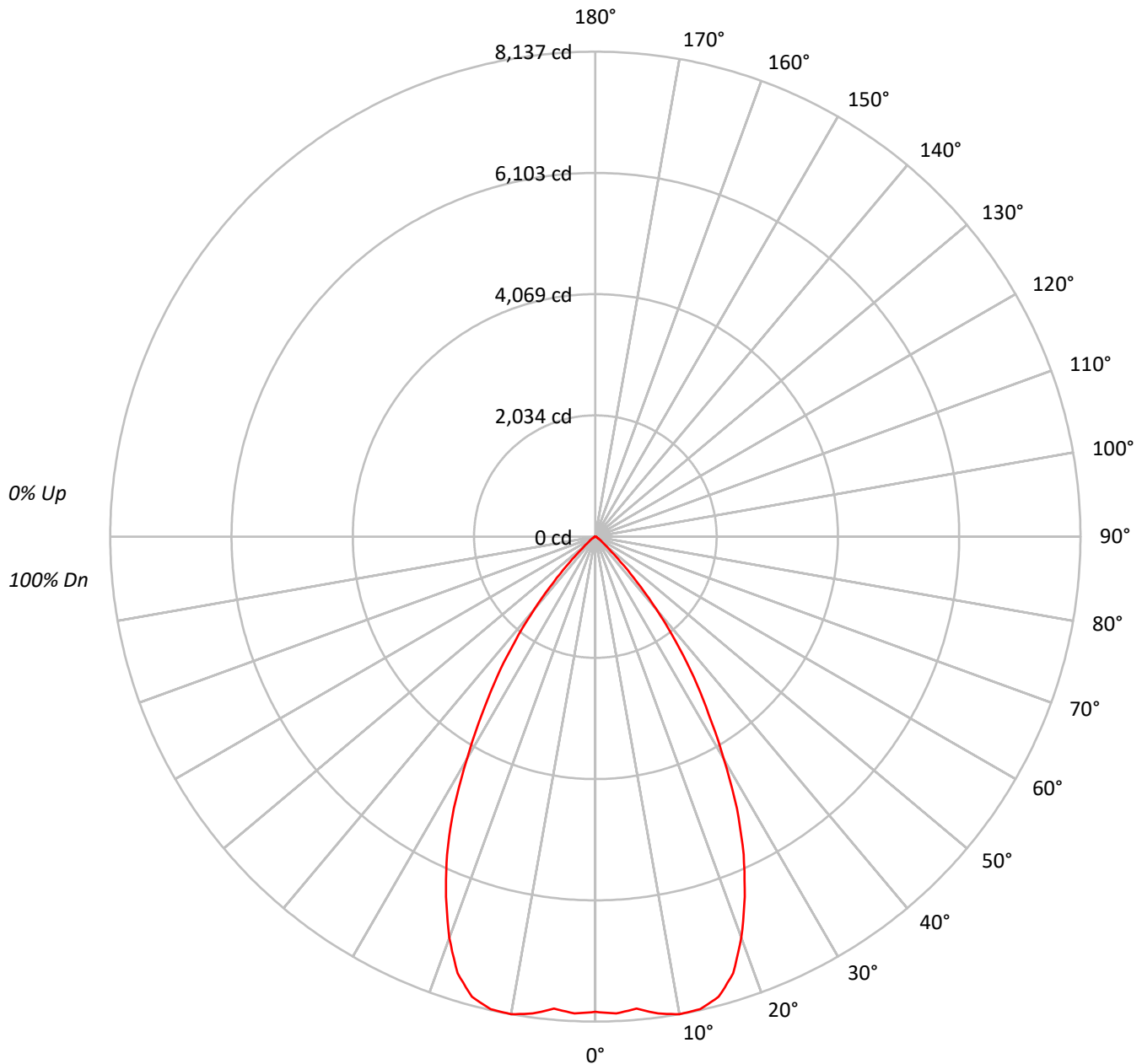


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	871333
5°	872051
10°	902759
15°	904253
20°	832514
25°	709339
30°	543020
35°	383635
40°	226453
45°	91938
50°	33333
55°	18573
60°	10642
65°	5869
70°	6166
75°	4770
80°	4971
85°	4262

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 91938 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	767.9	9.5
10°-20°	2215.1	27.3
20°-30°	2657.7	32.8
30°-40°	1786.0	22.1
40°-50°	534.6	6.6
50°-60°	94.4	1.2
60°-70°	26.8	0.3
70°-80°	13.1	0.2
80°-90°	4.2	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°	5640.6	69.6
0°-40°	7426.6	91.7
0°-60°	8055.7	99.5
0°-90°	8099.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8099.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7975	
5°	7951	768
15°	7994	2215
25°	5884	2658
35°	2876	1786
45°	595	535
55°	98	94
65°	23	27
75°	11	13
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7974.8
2.5°	8008.8
5°	7951.0
7.5°	8071.1
10°	8136.9
12.5°	8121.0
15°	7994.1
17.5°	7683.5
20°	7160.0
22.5°	6543.5
25°	5883.9
27.5°	5139.4
30°	4304.1
32.5°	3547.1
35°	2876.2
37.5°	2213.3
40°	1587.7
42.5°	1036.9
45°	595.0
47.5°	315.0
50°	196.1
52.5°	136.0
55°	97.5
57.5°	70.3
60°	48.7
62.5°	31.7
65°	22.7
67.5°	20.4
70°	19.3
72.5°	14.7
75°	11.3
77.5°	10.2
80°	7.9
82.5°	5.7
85°	3.4
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)