

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: P756667

Luminaire Tested: LD4D95BD010-EU4DR6570959027-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756667
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-EU4DR6570959027-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5577.6 lumens
Efficiency: N/A
Efficacy: 56.2 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 (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

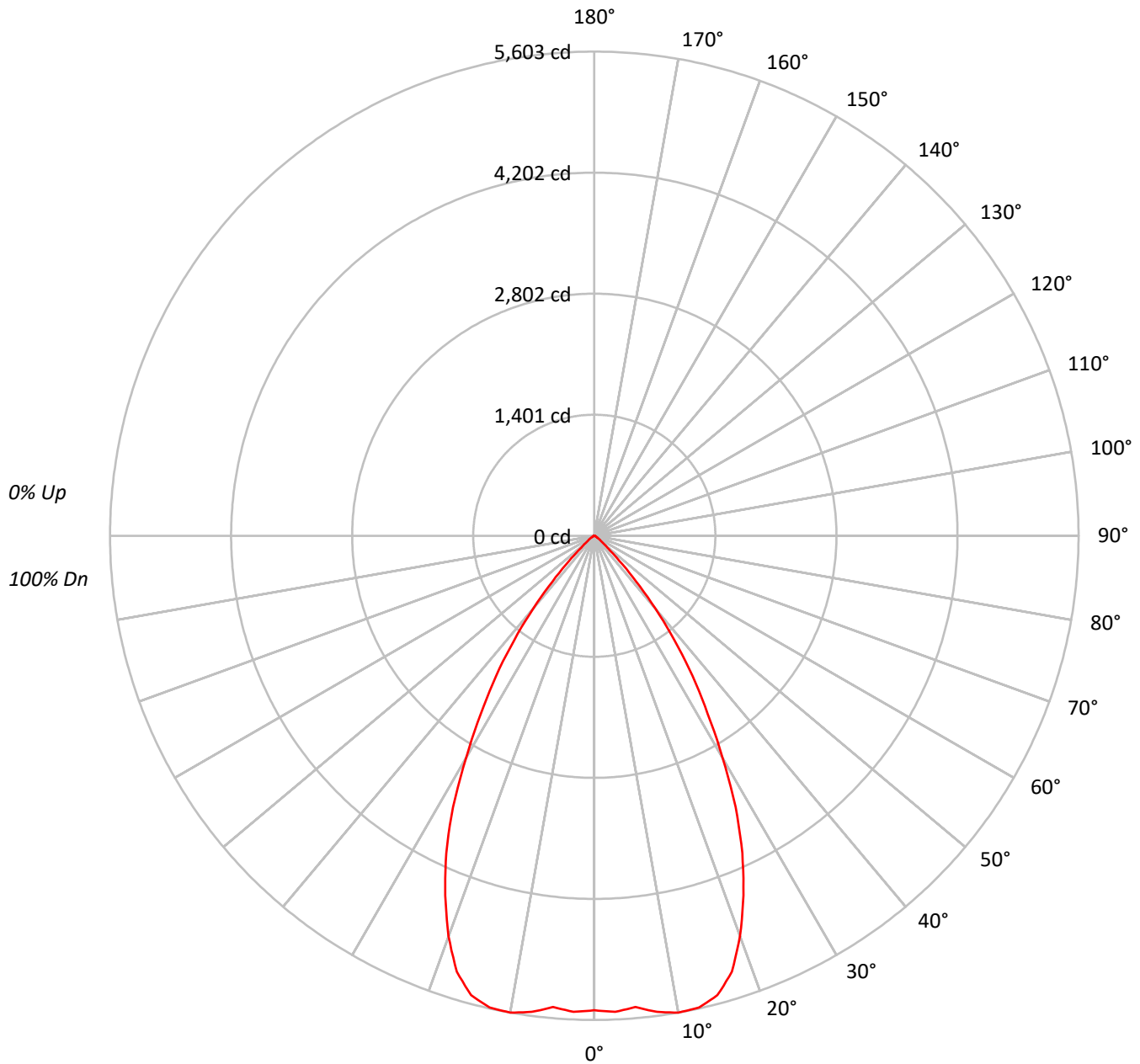


Downlight

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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°	600005
5°	600499
10°	621643
15°	622676
20°	573272
25°	488456
30°	373936
35°	264178
40°	155937
45°	63306
50°	22947
55°	12782
60°	7342
65°	4033
70°	4249
75°	3293
80°	3461
85°	2883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63306 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.8	9.5
10°-20°	1525.3	27.3
20°-30°	1830.1	32.8
30°-40°	1229.9	22.1
40°-50°	368.1	6.6
50°-60°	65.0	1.2
60°-70°	18.5	0.3
70°-80°	9.0	0.2
80°-90°	2.9	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°	3884.2	69.6
0°-40°	5114.1	91.7
0°-60°	5547.2	99.5
0°-90°	5577.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5577.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5492	
5°	5475	529
15°	5505	1525
25°	4052	1830
35°	1981	1230
45°	410	368
55°	67	65
65°	16	18
75°	8	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5491.5
2.5°	5514.9
5°	5475.1
7.5°	5557.9
10°	5603.1
12.5°	5592.2
15°	5504.8
17.5°	5291.0
20°	4930.4
22.5°	4505.9
25°	4051.7
27.5°	3539.0
30°	2963.9
32.5°	2442.6
35°	1980.6
37.5°	1524.1
40°	1093.3
42.5°	714.0
45°	409.7
47.5°	216.9
50°	135.0
52.5°	93.6
55°	67.1
57.5°	48.4
60°	33.6
62.5°	21.9
65°	15.6
67.5°	14.0
70°	13.3
72.5°	10.1
75°	7.8
77.5°	7.0
80°	5.5
82.5°	3.9
85°	2.3
87.5°	1.6
90°	0.0



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— 0°-180°







(END OF REPORT)