

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: P756617

Luminaire Tested: LD4D95BD010-EU4DR6070959035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756617
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: LD4D95BD010-EU4DR6070959035-4LBDP1LI
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: 9367.5 lumens
Efficiency: N/A
Efficacy: 94.4 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): 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

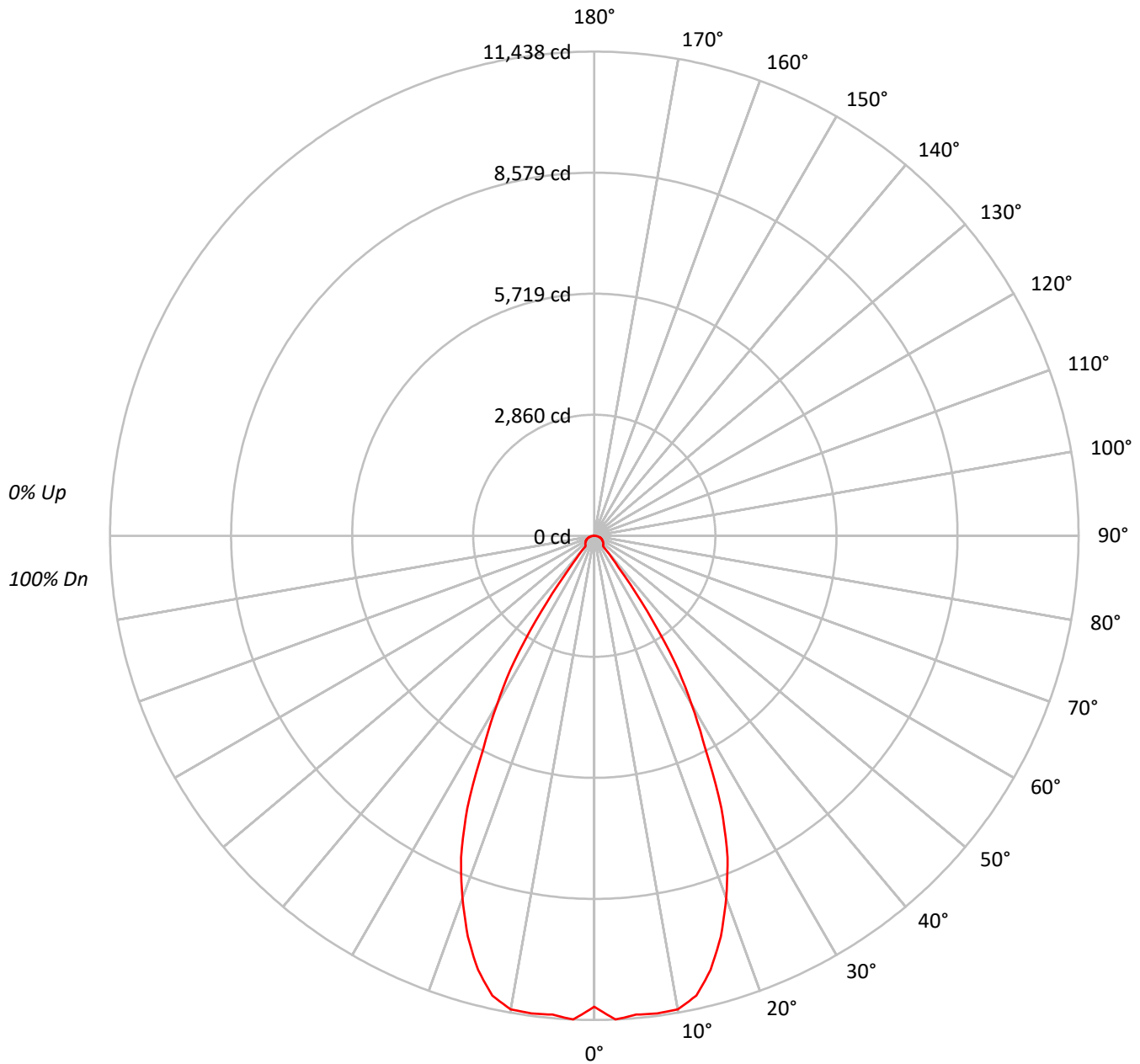


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1215548
5°	1245439
10°	1260483
15°	1200773
20°	1058711
25°	856321
30°	579229
35°	290254
40°	47082
45°	46093
50°	46999
55°	47718
60°	49036
65°	50155
70°	51337
75°	51967
80°	50085
85°	41746

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 51967 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1085.3	11.6
10°-20°	2936.3	31.3
20°-30°	3159.2	33.7
30°-40°	1373.3	14.7
40°-50°	230.6	2.5
50°-60°	224.3	2.4
60°-70°	191.8	2.0
70°-80°	128.3	1.4
80°-90°	38.4	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°	7180.8	76.7
0°-40°	8554.1	91.3
0°-60°	9009.0	96.2
0°-90°	9367.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9367.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11125	
5°	11355	###
15°	10616	2936
25°	7103	3159
35°	2176	1373
45°	298	231
55°	250	224
65°	194	192
75°	123	128
85°	33	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11125.2
2.5°	11437.9
5°	11355.4
7.5°	11381.4
10°	11361.2
12.5°	11126.6
15°	10615.5
17.5°	9929.2
20°	9105.4
22.5°	8223.7
25°	7103.1
27.5°	5681.3
30°	4591.1
32.5°	3538.5
35°	2176.1
37.5°	931.0
40°	330.1
42.5°	304.0
45°	298.3
47.5°	288.1
50°	276.5
52.5°	263.5
55°	250.5
57.5°	237.4
60°	224.4
62.5°	209.9
65°	194.0
67.5°	178.1
70°	160.7
72.5°	141.9
75°	123.1
77.5°	101.3
80°	79.6
82.5°	56.5
85°	33.3
87.5°	11.6
90°	0.0



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— 0°-180°







(END OF REPORT)