

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: P756708

Luminaire Tested: LD4D95BD010-EU4DR6570959040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756708
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-EU4DR6570959040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8567.8 lumens
Efficiency: N/A
Efficacy: 86.4 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

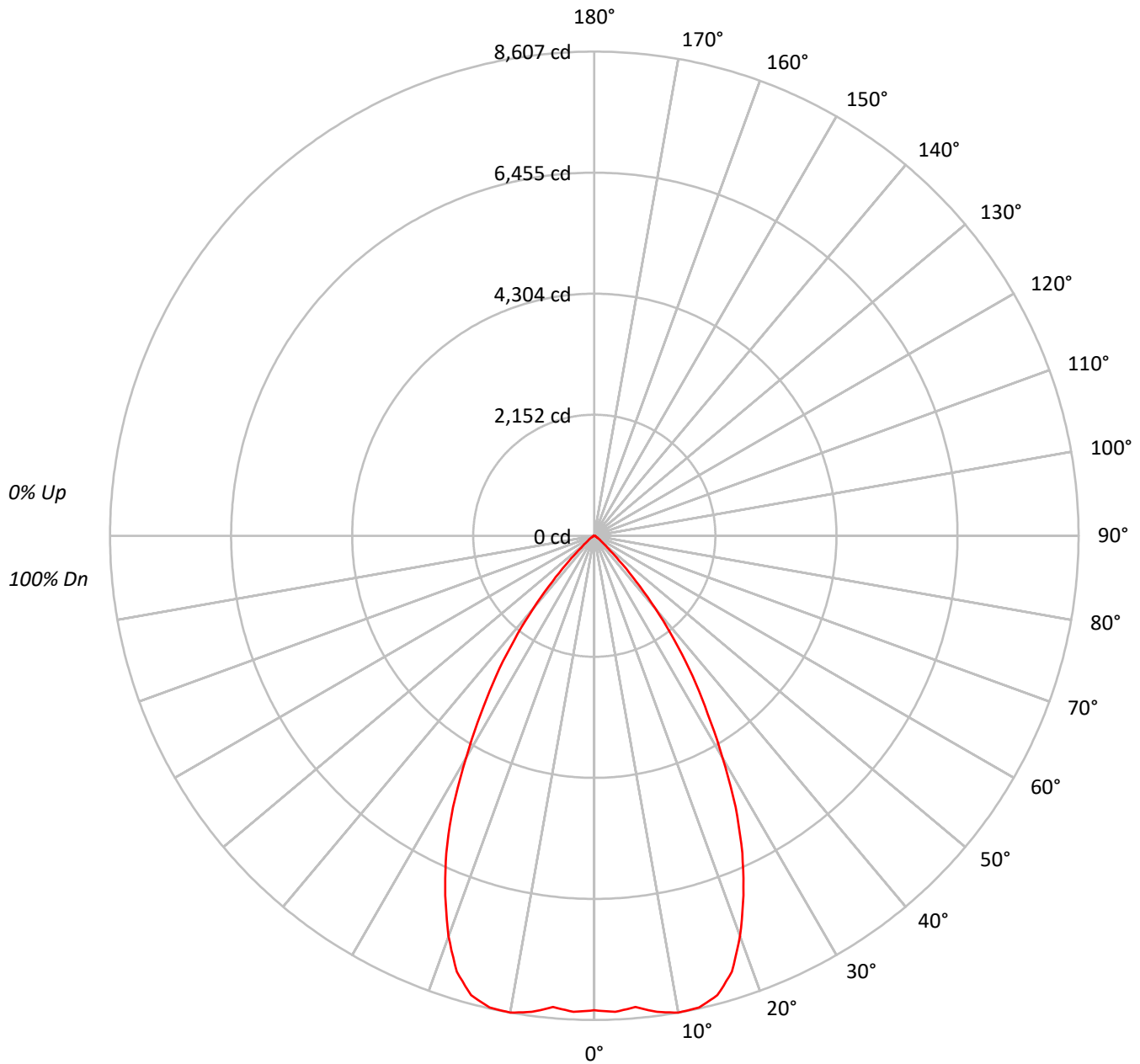


Downlight

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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°	921680
5°	922437
10°	954915
15°	956490
20°	880616
25°	750328
30°	574397
35°	405804
40°	239532
45°	97238
50°	35254
55°	19640
60°	11254
65°	6205
70°	6517
75°	5066
80°	5285
85°	4513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 97238 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	812.3	9.5
10°-20°	2343.0	27.3
20°-30°	2811.2	32.8
30°-40°	1889.2	22.0
40°-50°	565.6	6.6
50°-60°	99.8	1.2
60°-70°	28.4	0.3
70°-80°	13.9	0.2
80°-90°	4.4	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°	5966.5	69.6
0°-40°	7855.7	91.7
0°-60°	8521.1	99.5
0°-90°	8567.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8567.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8436	
5°	8410	812
15°	8456	2343
25°	6224	2811
35°	3042	1889
45°	629	566
55°	103	100
65°	24	28
75°	12	14
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8435.6
2.5°	8471.5
5°	8410.4
7.5°	8537.5
10°	8607.0
12.5°	8590.2
15°	8455.9
17.5°	8127.5
20°	7573.7
22.5°	6921.6
25°	6223.9
27.5°	5436.3
30°	4552.8
32.5°	3752.1
35°	3042.4
37.5°	2341.1
40°	1679.4
42.5°	1096.9
45°	629.3
47.5°	333.3
50°	207.4
52.5°	143.8
55°	103.1
57.5°	74.3
60°	51.5
62.5°	33.6
65°	24.0
67.5°	21.6
70°	20.4
72.5°	15.6
75°	12.0
77.5°	10.8
80°	8.4
82.5°	6.0
85°	3.6
87.5°	2.4
90°	0.0



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— 0°-180°







(END OF REPORT)