

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: P756400

Luminaire Tested: LD4D95BD010-EU4DR4570959040-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR4570959040-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10541.6 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

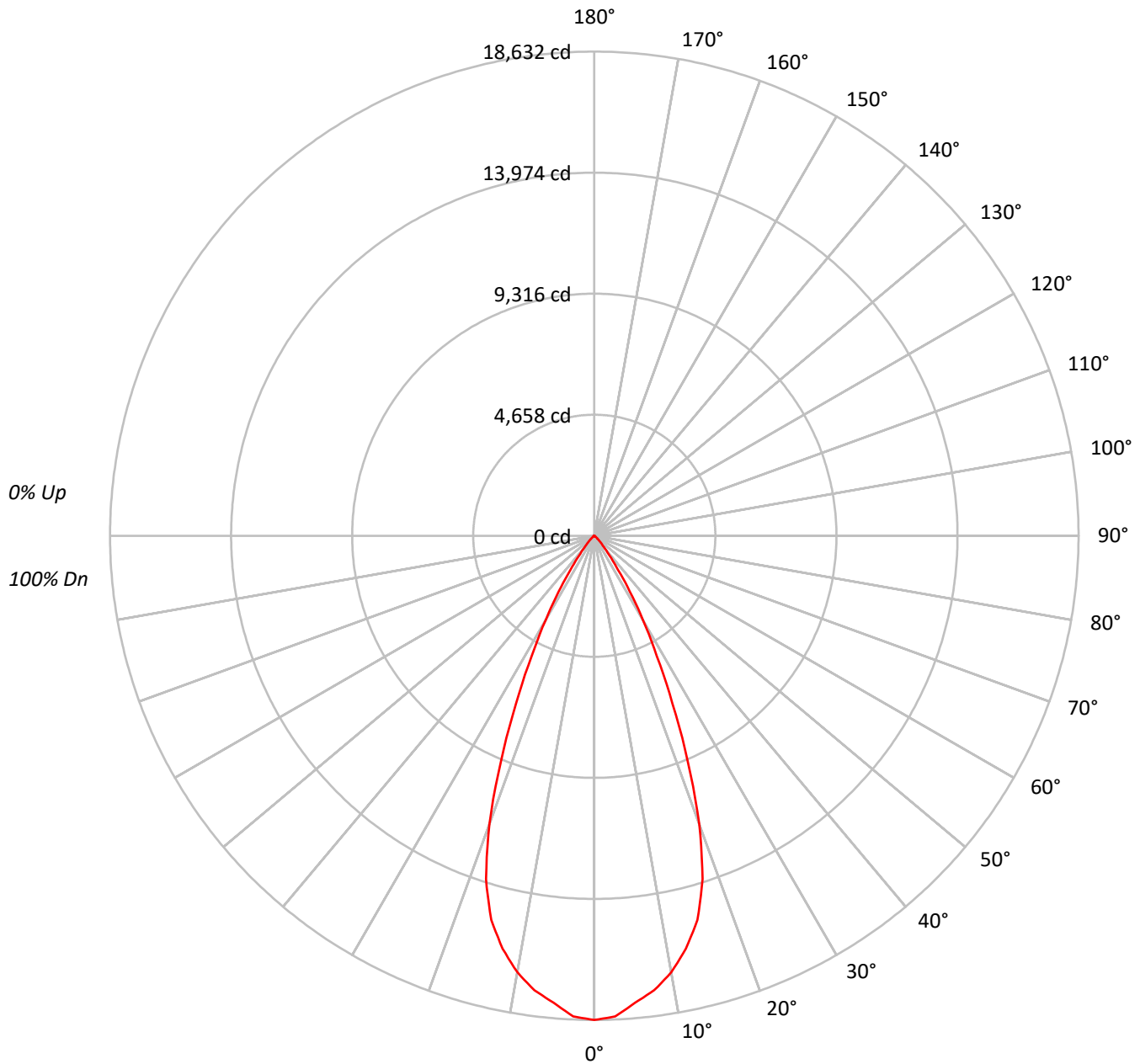


Downlight

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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	109	105	102	99		107	103	100	98		100	98	95			97	95	93			90
3	105	99	95	91		103	98	94	91		95	92	89			93	90	88			85
4	100	94	89	85		99	93	88	85		91	87	84			89	86	83			81
5	96	89	84	80		95	88	83	80		86	82	79			85	81	79			77
6	92	85	80	76		91	84	79	76		83	78	75			81	77	75			73
7	89	81	75	72		87	80	75	72		79	74	71			78	74	71			69
8	85	77	72	68		84	76	71	68		75	71	68			74	70	67			66
9	82	73	68	65		81	73	68	65		72	68	65			71	67	64			63
10	79	70	65	62		78	70	65	62		69	65	62			68	64	61			60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2035790
5°	1977825
10°	1892255
15°	1731803
20°	1373927
25°	857755
30°	472772
35°	212279
40°	83610
45°	39402
50°	18681
55°	9772
60°	4807
65°	1138
70°	479
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39402 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1694.4	16.1
10°-20°	4170.1	39.6
20°-30°	3302.3	31.3
30°-40°	1099.7	10.4
40°-50°	218.2	2.1
50°-60°	49.6	0.5
60°-70°	7.2	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	9166.7	87.0
0°-40°	10266.4	97.4
0°-60°	10534.2	99.9
0°-90°	10541.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10541.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18632	
5°	18033	###
15°	15310	4170
25°	7115	3302
35°	1592	1100
45°	255	218
55°	51	50
65°	4	7
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18632.4
2.5°	18510.8
5°	18033.0
7.5°	17638.8
10°	17055.6
12.5°	16278.8
15°	15310.1
17.5°	13853.4
20°	11816.4
22.5°	9389.5
25°	7115.0
27.5°	5209.9
30°	3747.3
32.5°	2548.5
35°	1591.5
37.5°	943.8
40°	586.2
42.5°	385.4
45°	255.0
47.5°	164.1
50°	109.9
52.5°	73.3
55°	51.3
57.5°	33.7
60°	22.0
62.5°	11.7
65°	4.4
67.5°	1.5
70°	1.5
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)