

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: P756205

Luminaire Tested: LD4D95BD010-EU4DR3570959027-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756205
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR3570959027-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9021.3 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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

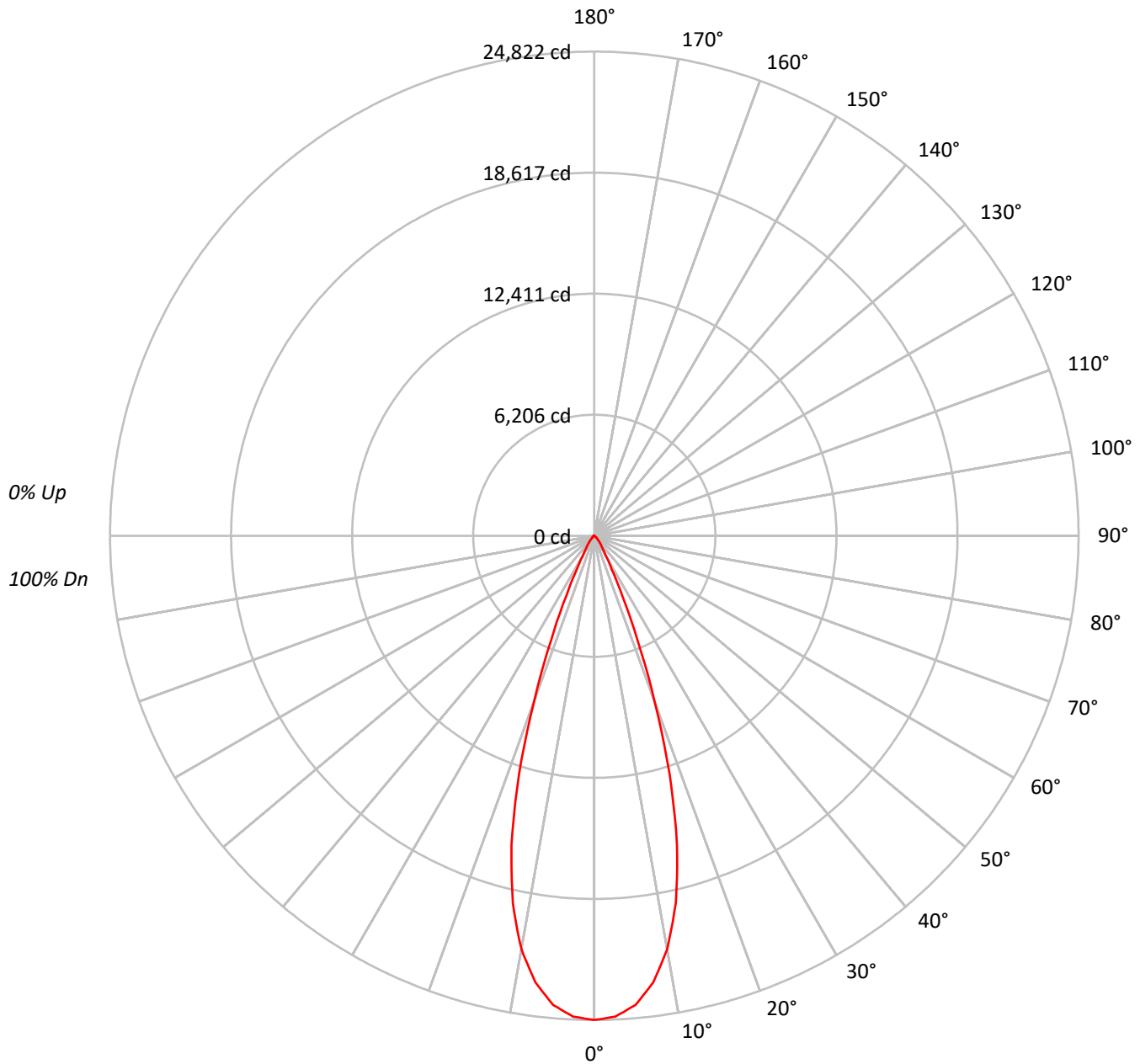


Downlight

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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	115	112	110	108		112	110	108	107		106	105	103			103	101	100			96
2	110	106	103	101		108	105	102	99		102	99	97			99	97	95			92
3	106	101	97	94		105	100	96	93		97	95	92			95	93	91			88
4	103	97	92	89		101	96	92	89		94	90	88			92	89	87			84
5	99	93	88	85		98	92	87	84		90	86	84			89	85	83			81
6	96	89	84	81		94	88	84	81		87	83	80			85	82	80			78
7	93	85	81	78		91	85	80	77		84	80	77			83	79	77			75
8	90	82	78	74		88	82	77	74		81	77	74			80	76	74			72
9	87	79	75	72		86	79	75	72		78	74	71			77	74	71			70
10	84	77	72	69		83	76	72	69		76	72	69			75	71	69			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2712070
5°	2648343
10°	2386865
15°	1852587
20°	1050758
25°	408793
30°	152506
35°	83591
40°	54641
45°	33252
50°	21162
55°	14953
60°	10948
65°	5946
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33252 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2220.8	24.6
10°-20°	4335.9	48.1
20°-30°	1768.3	19.6
30°-40°	423.2	4.7
40°-50°	176.4	2.0
50°-60°	73.0	0.8
60°-70°	22.8	0.3
70°-80°	0.5	0.0
80°-90°	0.4	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°	8325.0	92.3
0°-40°	8748.2	97.0
0°-60°	8997.5	99.7
0°-90°	9021.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9021.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24822	
5°	24146	###
15°	16378	4336
25°	3391	1768
35°	627	423
45°	215	176
55°	78	73
65°	23	23
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	24822.0
2.5°	24673.1
5°	24146.5
7.5°	23096.1
10°	21513.7
12.5°	19285.5
15°	16377.9
17.5°	12821.8
20°	9037.0
22.5°	5762.5
25°	3390.9
27.5°	1916.8
30°	1208.8
32.5°	848.7
35°	626.7
37.5°	484.6
40°	383.1
42.5°	295.1
45°	215.2
47.5°	161.1
50°	124.5
52.5°	98.8
55°	78.5
57.5°	63.6
60°	50.1
62.5°	36.5
65°	23.0
67.5°	8.1
70°	1.4
72.5°	1.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)