

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: P756538

Luminaire Tested: LD4D95BD010-EU4DR5570959035-4LBDP1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR5570959035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9097.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
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

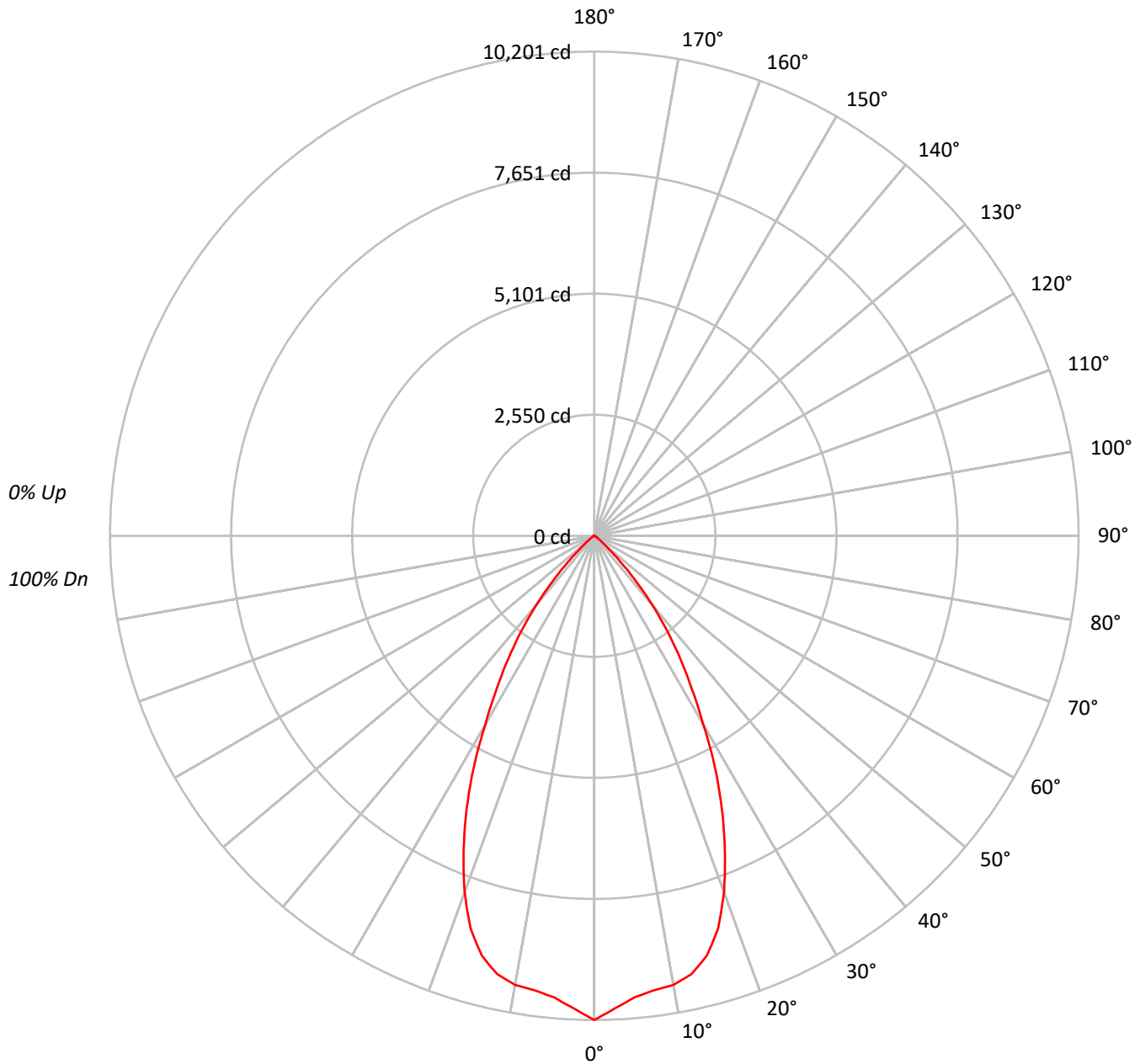


Downlight

TEST NUMBER: P756538

CATALOG NUMBER: LD4D95BD010-EU4DR5570959035-4LBDP1H

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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1114547
5°	1070283
10°	1066249
15°	1035625
20°	928578
25°	767423
30°	579696
35°	420329
40°	269000
45°	122857
50°	40183
55°	17335
60°	7452
65°	982
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 122857 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	928.6	10.2
10°-20°	2534.2	27.9
20°-30°	2888.0	31.7
30°-40°	1966.0	21.6
40°-50°	677.5	7.4
50°-60°	93.6	1.0
60°-70°	9.1	0.1
70°-80°	0.0	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°	6350.8	69.8
0°-40°	8316.8	91.4
0°-60°	9087.9	99.9
0°-90°	9097.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9097.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10201	
5°	9758	929
15°	9156	2534
25°	6366	2888
35°	3151	1966
45°	795	677
55°	91	94
65°	4	9
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10200.8
2.5°	9967.0
5°	9758.4
7.5°	9656.0
10°	9610.5
12.5°	9458.8
15°	9155.5
17.5°	8673.9
20°	7986.2
22.5°	7192.4
25°	6365.7
27.5°	5504.9
30°	4594.8
32.5°	3823.7
35°	3151.3
37.5°	2511.7
40°	1886.0
42.5°	1307.0
45°	795.1
47.5°	428.5
50°	236.4
52.5°	140.3
55°	91.0
57.5°	58.1
60°	34.1
62.5°	15.2
65°	3.8
67.5°	1.3
70°	0.0
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)