

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: P756771

Luminaire Tested: LD4D95BD010-EU4DR7070959035-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR7070959035-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5224.7 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

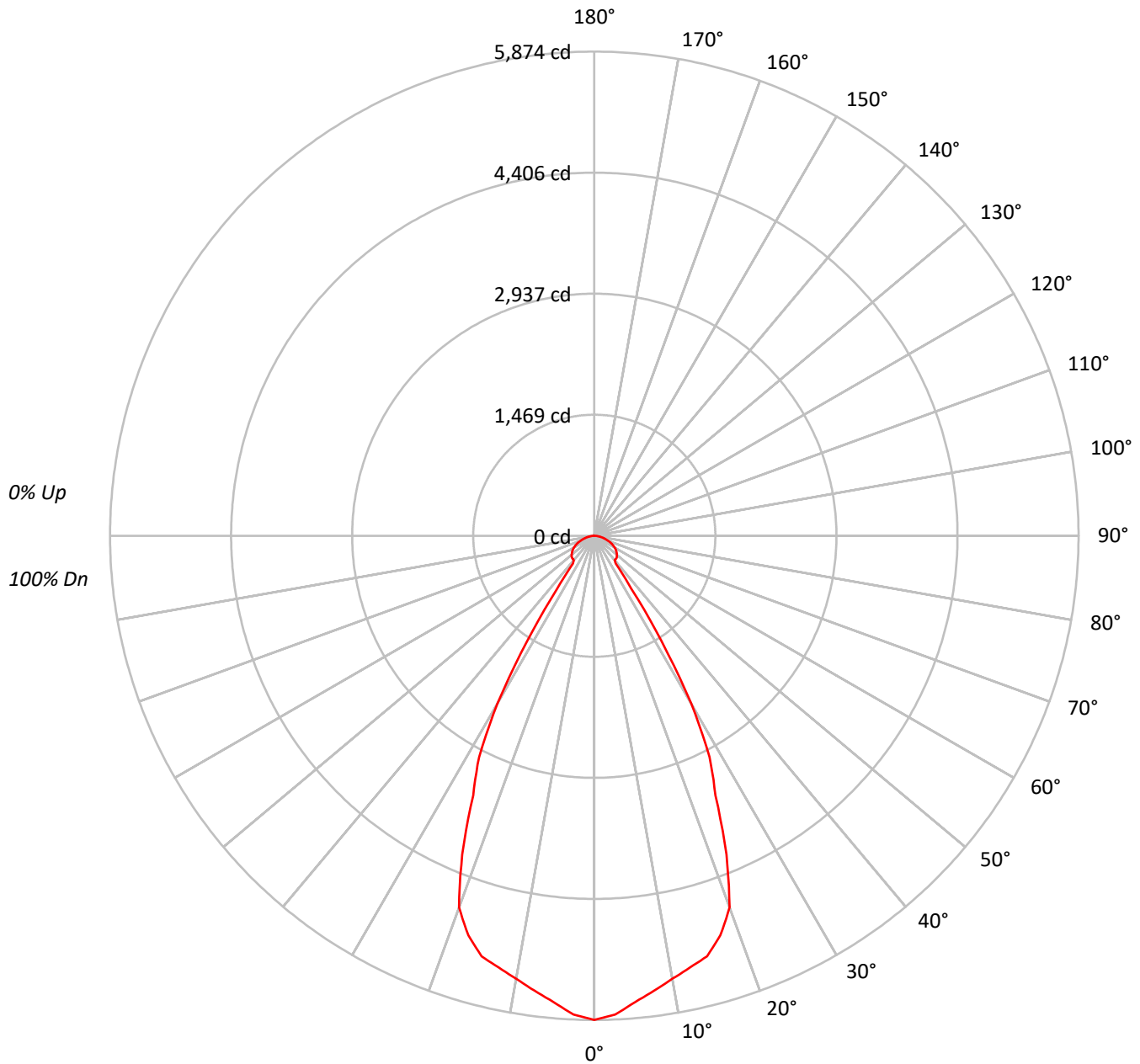


Downlight

TEST NUMBER: P756771

CATALOG NUMBER: LD4D95BD010-EU4DR7070959035-4LBDP1B

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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	641809
5°	622741
10°	605378
15°	597440
20°	557889
25°	419113
30°	296282
35°	104946
40°	55183
45°	58779
50°	60870
55°	62005
60°	62388
65°	61065
70°	57630
75°	53402
80°	47379
85°	38486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 62409 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.5	10.3
10°-20°	1469.0	28.1
20°-30°	1617.9	31.0
30°-40°	618.1	11.8
40°-50°	291.9	5.6
50°-60°	290.2	5.6
60°-70°	232.3	4.4
70°-80°	133.5	2.6
80°-90°	36.3	0.7
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°	3622.4	69.3
0°-40°	4240.6	81.2
0°-60°	4822.6	92.3
0°-90°	5224.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5224.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5874	
5°	5678	536
15°	5282	1469
25°	3476	1618
35°	787	618
45°	380	292
55°	326	290
65°	236	232
75°	126	134
85°	31	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5874.1
2.5°	5812.7
5°	5677.9
7.5°	5565.4
10°	5456.5
12.5°	5364.5
15°	5281.7
17.5°	5081.7
20°	4798.1
22.5°	4186.1
25°	3476.5
27.5°	3026.3
30°	2348.4
32.5°	1516.9
35°	786.8
37.5°	425.0
40°	386.9
42.5°	384.1
45°	380.4
47.5°	372.0
50°	358.1
52.5°	342.3
55°	325.5
57.5°	306.9
60°	285.5
62.5°	261.3
65°	236.2
67.5°	208.3
70°	180.4
72.5°	152.5
75°	126.5
77.5°	99.5
80°	75.3
82.5°	53.0
85°	30.7
87.5°	12.1
90°	0.0



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— 0°-180°







(END OF REPORT)