

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: P756735

Luminaire Tested: LD4D95BD010-EU4DR7070959024-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756735
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-EU4DR7070959024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5947.7 lumens
Efficiency: N/A
Efficacy: 60.0 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

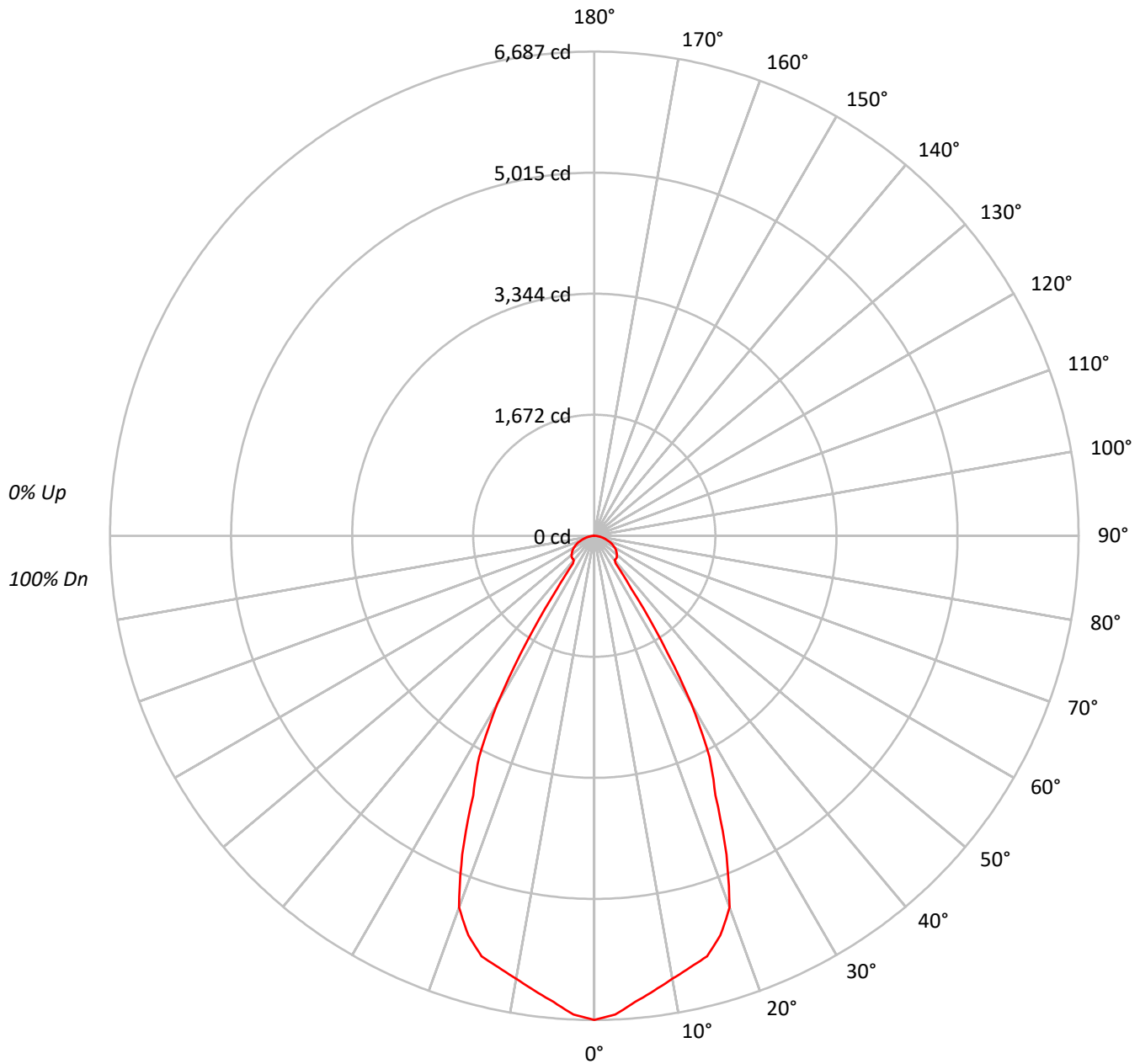


Downlight

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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	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°	730627
5°	708915
10°	689154
15°	680116
20°	635082
25°	477112
30°	337273
35°	119471
40°	62814
45°	66906
50°	69284
55°	70596
60°	71019
65°	69520
70°	65616
75°	60790
80°	53986
85°	43752

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 71051 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.7	10.3
10°-20°	1672.3	28.1
20°-30°	1841.8	31.0
30°-40°	703.7	11.8
40°-50°	332.3	5.6
50°-60°	330.3	5.6
60°-70°	264.5	4.4
70°-80°	152.0	2.6
80°-90°	41.3	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°	4123.7	69.3
0°-40°	4827.4	81.2
0°-60°	5489.9	92.3
0°-90°	5947.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5947.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6687	
5°	6464	610
15°	6013	1672
25°	3958	1842
35°	896	704
45°	433	332
55°	371	330
65°	269	264
75°	144	152
85°	35	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6687.0
2.5°	6617.1
5°	6463.6
7.5°	6335.5
10°	6211.6
12.5°	6106.8
15°	6012.6
17.5°	5784.9
20°	5462.0
22.5°	4765.4
25°	3957.6
27.5°	3445.1
30°	2673.3
32.5°	1726.8
35°	895.7
37.5°	483.8
40°	440.4
42.5°	437.3
45°	433.0
47.5°	423.5
50°	407.6
52.5°	389.6
55°	370.6
57.5°	349.4
60°	325.0
62.5°	297.5
65°	268.9
67.5°	237.2
70°	205.4
72.5°	173.6
75°	144.0
77.5°	113.3
80°	85.8
82.5°	60.3
85°	34.9
87.5°	13.8
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)