

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: P756710

Luminaire Tested: LD4D95BD010-EU4DR6570959040-4LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6570959040-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7974.8 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

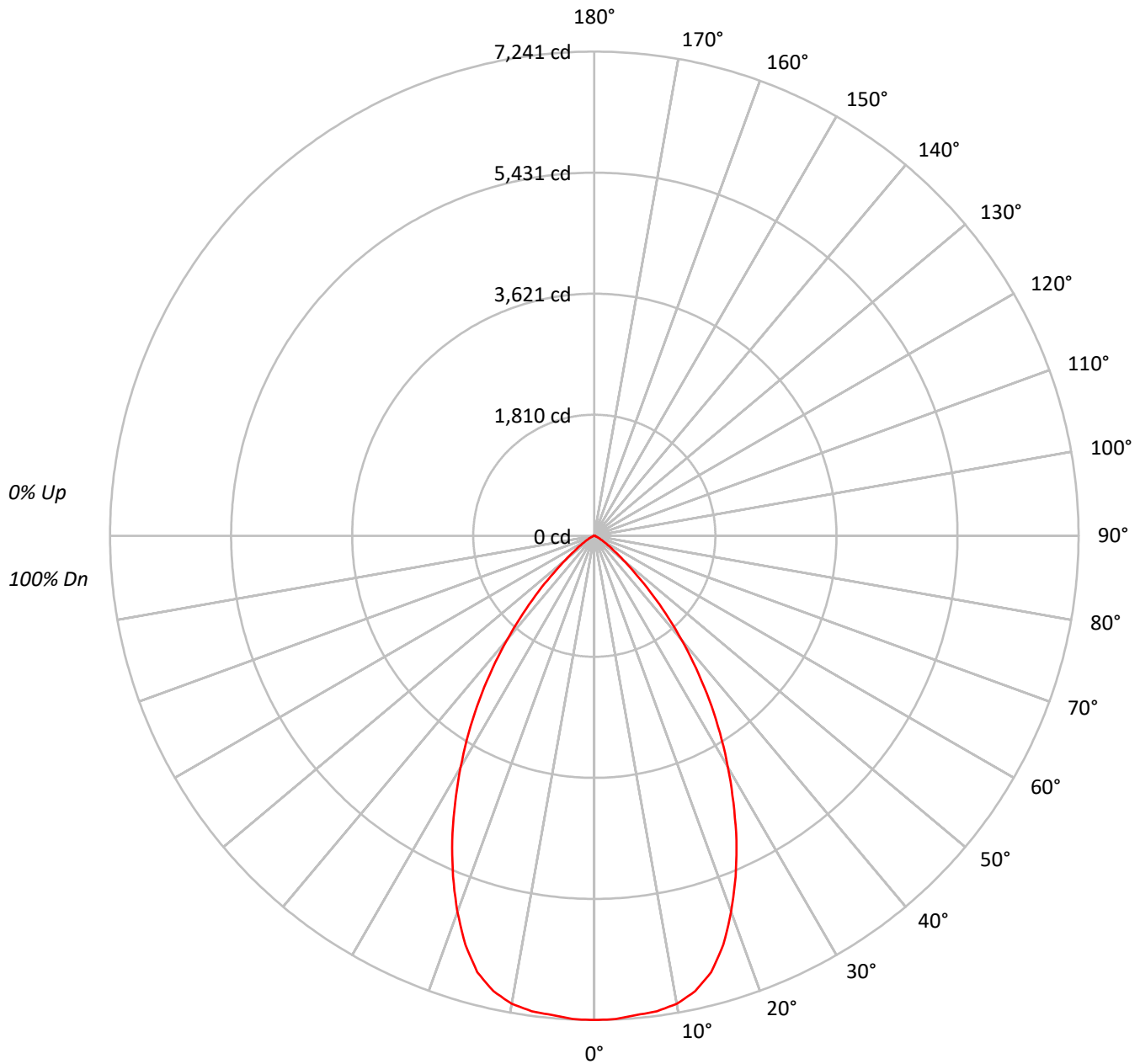


Downlight

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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	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	422897
5°	421827
10°	421468
15°	408478
20°	371868
25°	324057
30°	269527
35°	213559
40°	154136
45°	97380
50°	50755
55°	26973
60°	14169
65°	7794
70°	3279
75°	3610
80°	2489
85°	2144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 97380 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	684.8	8.6
10°-20°	1875.1	23.5
20°-30°	2292.0	28.7
30°-40°	1859.7	23.3
40°-50°	926.7	11.6
50°-60°	258.5	3.2
60°-70°	58.8	0.7
70°-80°	15.3	0.2
80°-90°	3.9	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°	4851.9	60.8
0°-40°	6711.6	84.2
0°-60°	7896.8	99.0
0°-90°	7974.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7974.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7241	
5°	7195	685
15°	6756	1875
25°	5029	2292
35°	2995	1860
45°	1179	927
55°	265	258
65°	56	59
75°	16	15
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7240.9
2.5°	7235.6
5°	7195.1
7.5°	7171.7
10°	7106.8
12.5°	6974.9
15°	6755.7
17.5°	6413.1
20°	5983.2
22.5°	5519.2
25°	5028.7
27.5°	4504.1
30°	3996.6
32.5°	3495.4
35°	2995.3
37.5°	2496.3
40°	2021.7
42.5°	1576.9
45°	1179.0
47.5°	821.4
50°	558.6
52.5°	385.2
55°	264.9
57.5°	178.8
60°	121.3
62.5°	84.1
65°	56.4
67.5°	28.7
70°	19.2
72.5°	18.1
75°	16.0
77.5°	10.6
80°	7.4
82.5°	5.3
85°	3.2
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)