

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: P756724

Luminaire Tested: LD4D95BD010-EU4DR6570959050-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756724
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-EU4DR6570959050-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8650.6 lumens
Efficiency: N/A
Efficacy: 87.2 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 (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

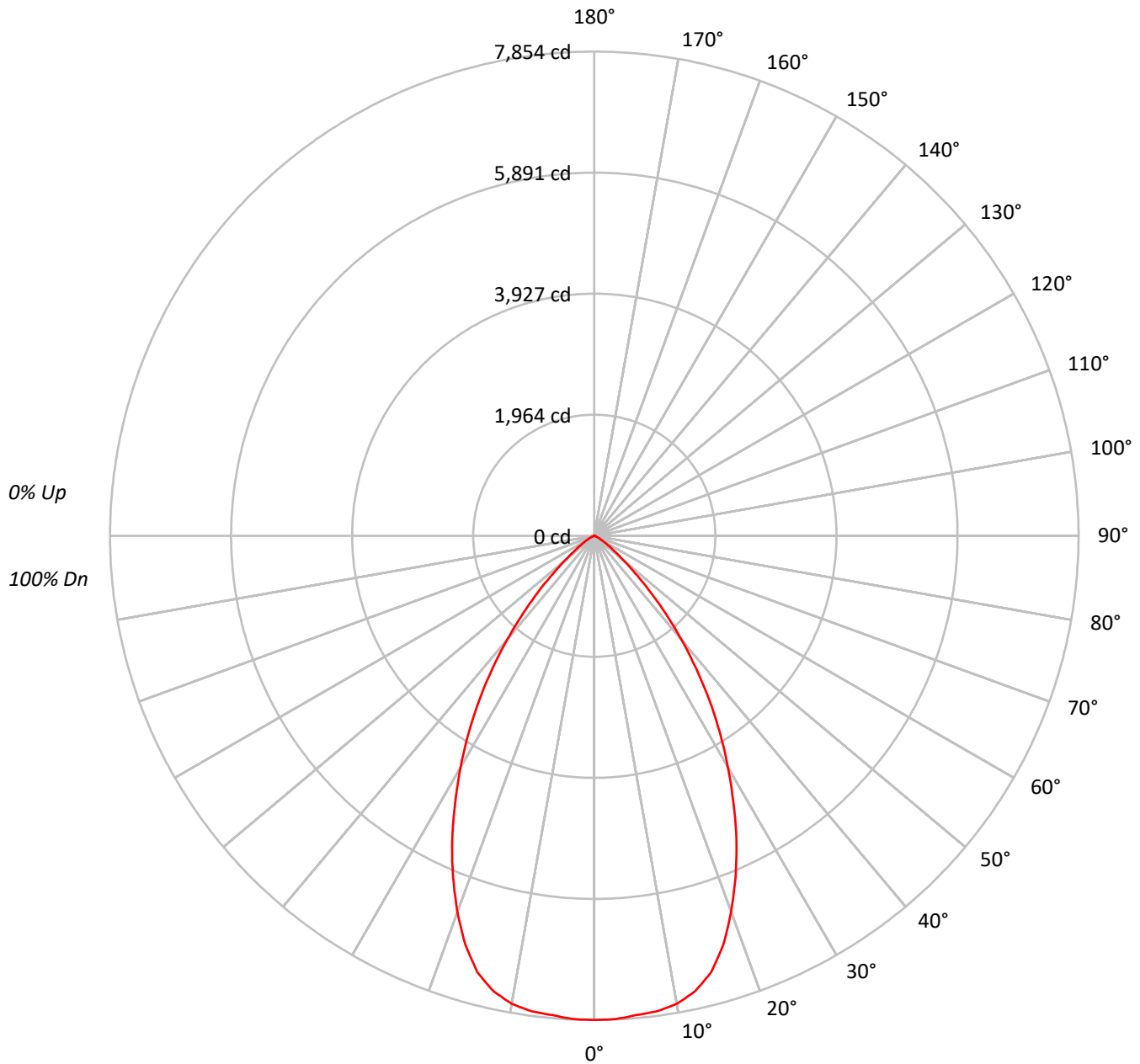


Downlight

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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		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°	458733
5°	457578
10°	457187
15°	443093
20°	403380
25°	351522
30°	292368
35°	231654
40°	167196
45°	105631
50°	55061
55°	29264
60°	15372
65°	8458
70°	3552
75°	3904
80°	2724
85°	2345

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 105631 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	742.8	8.6
10°-20°	2034.0	23.5
20°-30°	2486.3	28.7
30°-40°	2017.3	23.3
40°-50°	1005.3	11.6
50°-60°	280.4	3.2
60°-70°	63.7	0.7
70°-80°	16.6	0.2
80°-90°	4.3	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°	5263.1	60.8
0°-40°	7280.4	84.2
0°-60°	8566.1	99.0
0°-90°	8650.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8650.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7854	
5°	7805	743
15°	7328	2034
25°	5455	2486
35°	3249	2017
45°	1279	1005
55°	287	280
65°	61	64
75°	17	17
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7854.5
2.5°	7848.7
5°	7804.9
7.5°	7779.5
10°	7709.1
12.5°	7565.9
15°	7328.2
17.5°	6956.5
20°	6490.2
22.5°	5987.0
25°	5454.9
27.5°	4885.8
30°	4335.3
32.5°	3791.6
35°	3249.1
37.5°	2707.8
40°	2193.0
42.5°	1710.6
45°	1278.9
47.5°	891.1
50°	606.0
52.5°	417.8
55°	287.4
57.5°	193.9
60°	131.6
62.5°	91.2
65°	61.2
67.5°	31.2
70°	20.8
72.5°	19.6
75°	17.3
77.5°	11.5
80°	8.1
82.5°	5.8
85°	3.5
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)