

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: P756723

Luminaire Tested: LD4D95BD010-EU4DR6570959050-4LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756723
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-EU4DR6570959050-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8031.7 lumens
Efficiency: N/A
Efficacy: 81.0 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

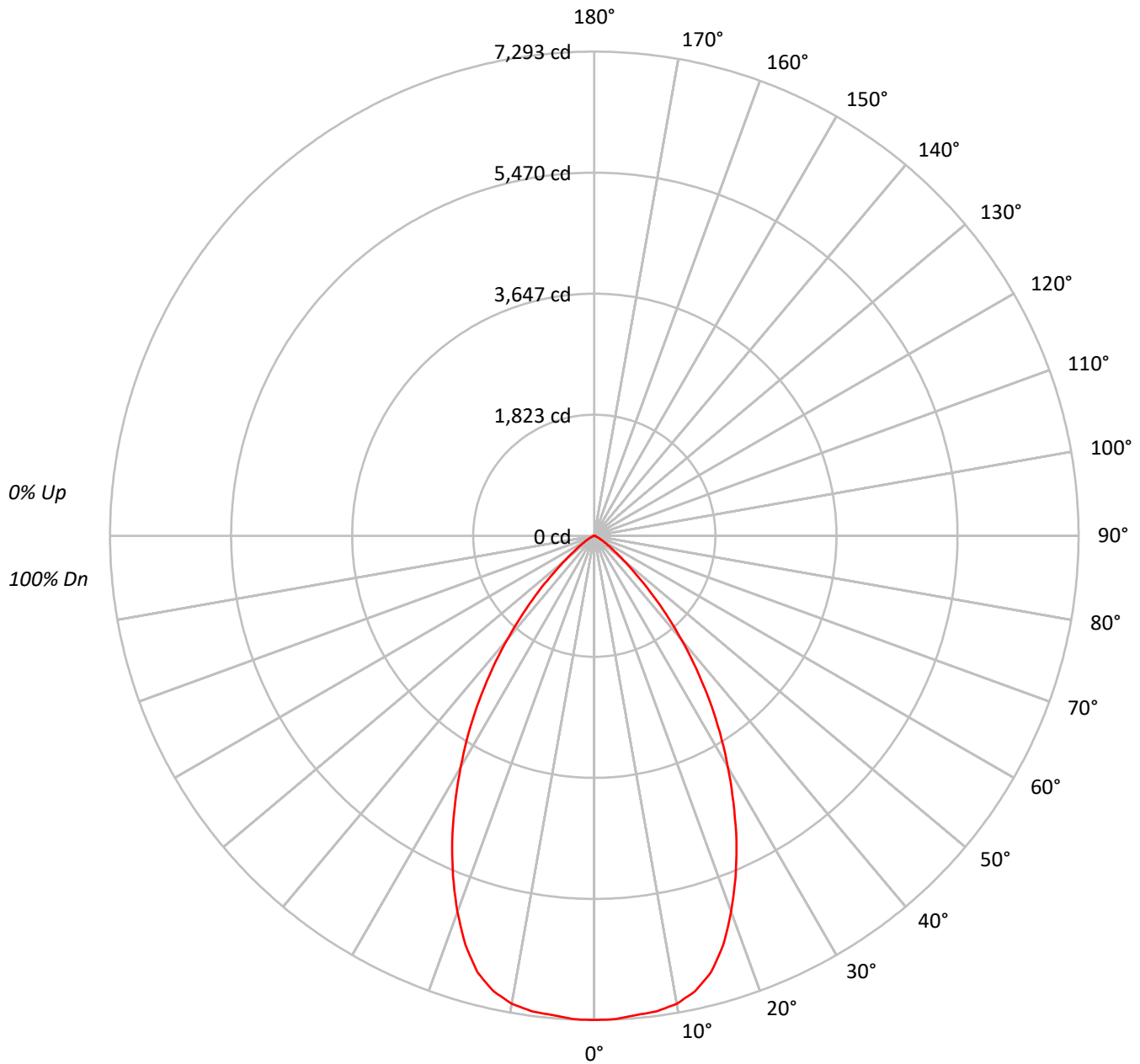


Downlight

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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°	425916
5°	424840
10°	424480
15°	411392
20°	374522
25°	326371
30°	271449
35°	215085
40°	155234
45°	98074
50°	51118
55°	27167
60°	14274
65°	7849
70°	3296
75°	3633
80°	2523
85°	2144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 98074 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	689.6	8.6
10°-20°	1888.5	23.5
20°-30°	2308.4	28.7
30°-40°	1873.0	23.3
40°-50°	933.3	11.6
50°-60°	260.3	3.2
60°-70°	59.2	0.7
70°-80°	15.4	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°	4886.6	60.8
0°-40°	6759.6	84.2
0°-60°	7953.2	99.0
0°-90°	8031.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8031.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7293	
5°	7246	690
15°	6804	1889
25°	5065	2308
35°	3017	1873
45°	1187	933
55°	267	260
65°	57	59
75°	16	15
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7292.6
2.5°	7287.2
5°	7246.5
7.5°	7222.9
10°	7157.6
12.5°	7024.7
15°	6803.9
17.5°	6458.9
20°	6025.9
22.5°	5558.7
25°	5064.6
27.5°	4536.3
30°	4025.1
32.5°	3520.4
35°	3016.7
37.5°	2514.1
40°	2036.1
42.5°	1588.2
45°	1187.4
47.5°	827.3
50°	562.6
52.5°	387.9
55°	266.8
57.5°	180.0
60°	122.2
62.5°	84.7
65°	56.8
67.5°	28.9
70°	19.3
72.5°	18.2
75°	16.1
77.5°	10.7
80°	7.5
82.5°	5.4
85°	3.2
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)