

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: P756660

Luminaire Tested: LD4D95BD010-EU4DR6570959024-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756660
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-EU4DR6570959024-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7305.9 lumens
Efficiency: N/A
Efficacy: 73.6 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

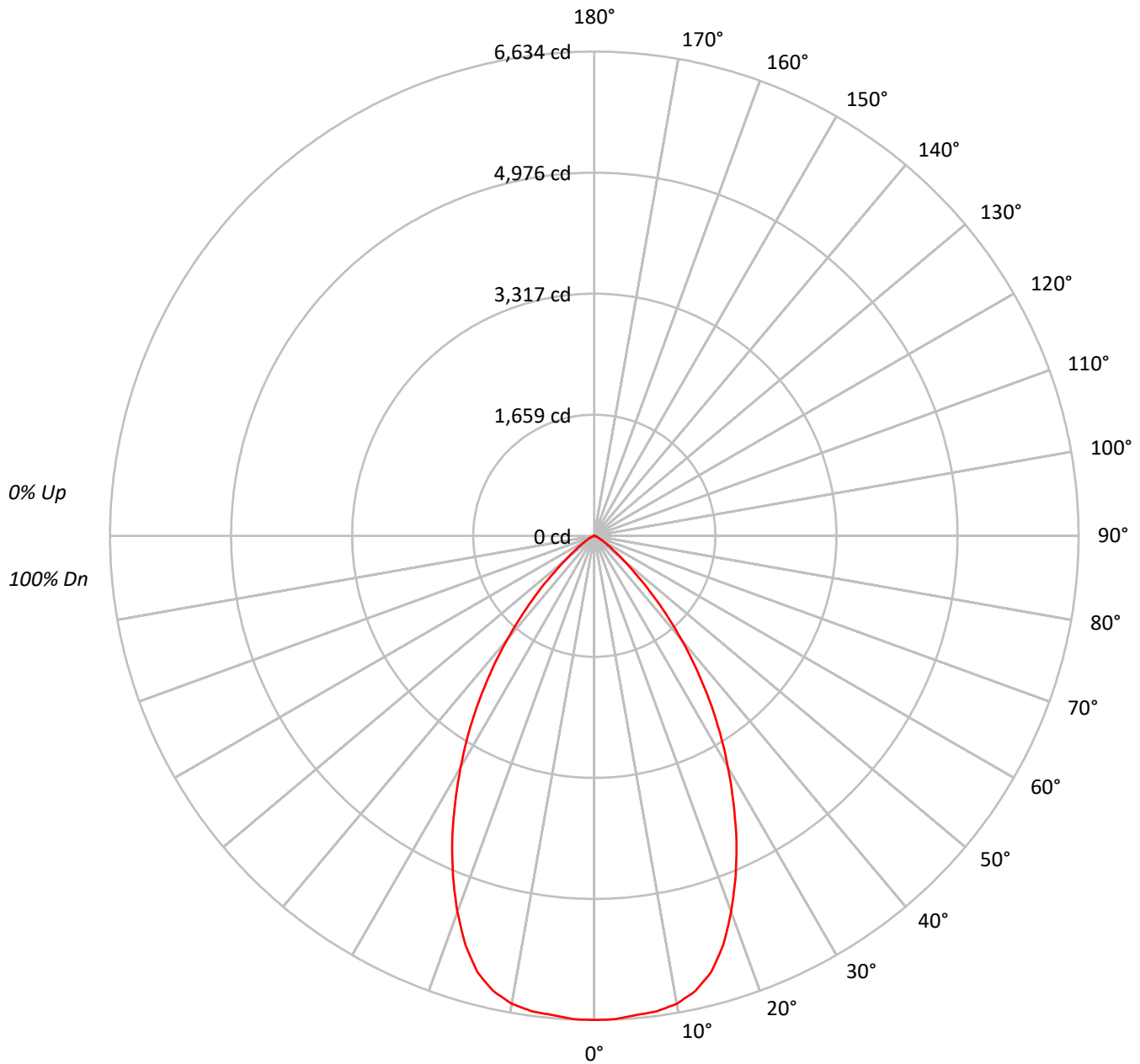


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	83		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	77	74		80	76	73
5	90	81	74	70		88	80	74	69		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	64	59		79	69	63	59		68	63	59		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	387428
5°	386445
10°	386116
15°	374219
20°	340674
25°	296876
30°	246921
35°	195649
40°	141206
45°	89211
50°	46502
55°	24713
60°	12977
65°	7145
70°	2988
75°	3295
80°	2287
85°	1943

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 89211 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	627.3	8.6
10°-20°	1717.9	23.5
20°-30°	2099.8	28.7
30°-40°	1703.7	23.3
40°-50°	849.0	11.6
50°-60°	236.8	3.2
60°-70°	53.8	0.7
70°-80°	14.0	0.2
80°-90°	3.6	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°	4445.0	60.8
0°-40°	6148.7	84.2
0°-60°	7234.5	99.0
0°-90°	7305.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7305.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6634	
5°	6592	627
15°	6189	1718
25°	4607	2100
35°	2744	1704
45°	1080	849
55°	243	237
65°	52	54
75°	15	14
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6633.6
2.5°	6628.7
5°	6591.6
7.5°	6570.2
10°	6510.7
12.5°	6389.9
15°	6189.1
17.5°	5875.2
20°	5481.3
22.5°	5056.3
25°	4606.9
27.5°	4126.4
30°	3661.4
32.5°	3202.2
35°	2744.1
37.5°	2286.9
40°	1852.1
42.5°	1444.7
45°	1080.1
47.5°	752.6
50°	511.8
52.5°	352.9
55°	242.7
57.5°	163.8
60°	111.1
62.5°	77.0
65°	51.7
67.5°	26.3
70°	17.5
72.5°	16.6
75°	14.6
77.5°	9.7
80°	6.8
82.5°	4.9
85°	2.9
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)