

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: P756576

Luminaire Tested: LD4D95BD010-EU4DR6070959024-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756576
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6070959024-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5957.3 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

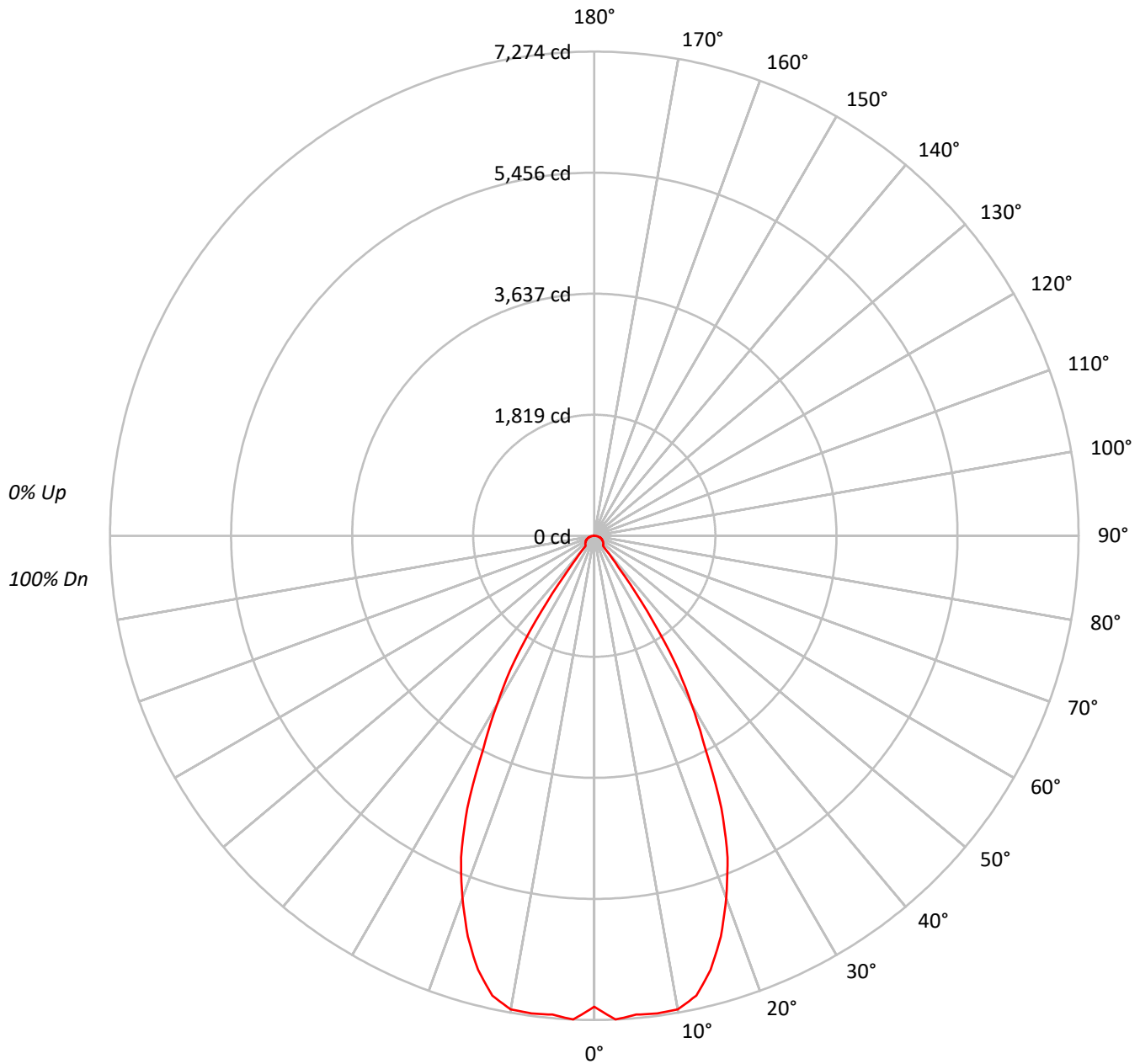


Downlight

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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	773020
5°	792030
10°	801598
15°	763628
20°	673290
25°	544575
30°	368359
35°	184588
40°	29938
45°	29312
50°	29899
55°	30345
60°	31183
65°	31903
70°	32649
75°	33054
80°	31838
85°	26577

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 33054 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.2	11.6
10°-20°	1867.3	31.3
20°-30°	2009.1	33.7
30°-40°	873.3	14.7
40°-50°	146.7	2.5
50°-60°	142.6	2.4
60°-70°	122.0	2.0
70°-80°	81.6	1.4
80°-90°	24.4	0.4
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°	4566.6	76.7
0°-40°	5439.9	91.3
0°-60°	5729.3	96.2
0°-90°	5957.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5957.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7075	
5°	7221	690
15°	6751	1867
25°	4517	2009
35°	1384	873
45°	190	147
55°	159	143
65°	123	122
75°	78	82
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7075.0
2.5°	7273.9
5°	7221.4
7.5°	7238.0
10°	7225.1
12.5°	7075.9
15°	6750.9
17.5°	6314.5
20°	5790.6
22.5°	5229.8
25°	4517.2
27.5°	3613.0
30°	2919.7
32.5°	2250.3
35°	1383.9
37.5°	592.0
40°	209.9
42.5°	193.4
45°	189.7
47.5°	183.2
50°	175.9
52.5°	167.6
55°	159.3
57.5°	151.0
60°	142.7
62.5°	133.5
65°	123.4
67.5°	113.3
70°	102.2
72.5°	90.2
75°	78.3
77.5°	64.5
80°	50.6
82.5°	35.9
85°	21.2
87.5°	7.4
90°	0.0



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— 0°-180°







(END OF REPORT)