

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: P756603

Luminaire Tested: LD4D95BD010-EU4DR6070959030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756603
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-EU4DR6070959030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8828.5 lumens
Efficiency: N/A
Efficacy: 89.0 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

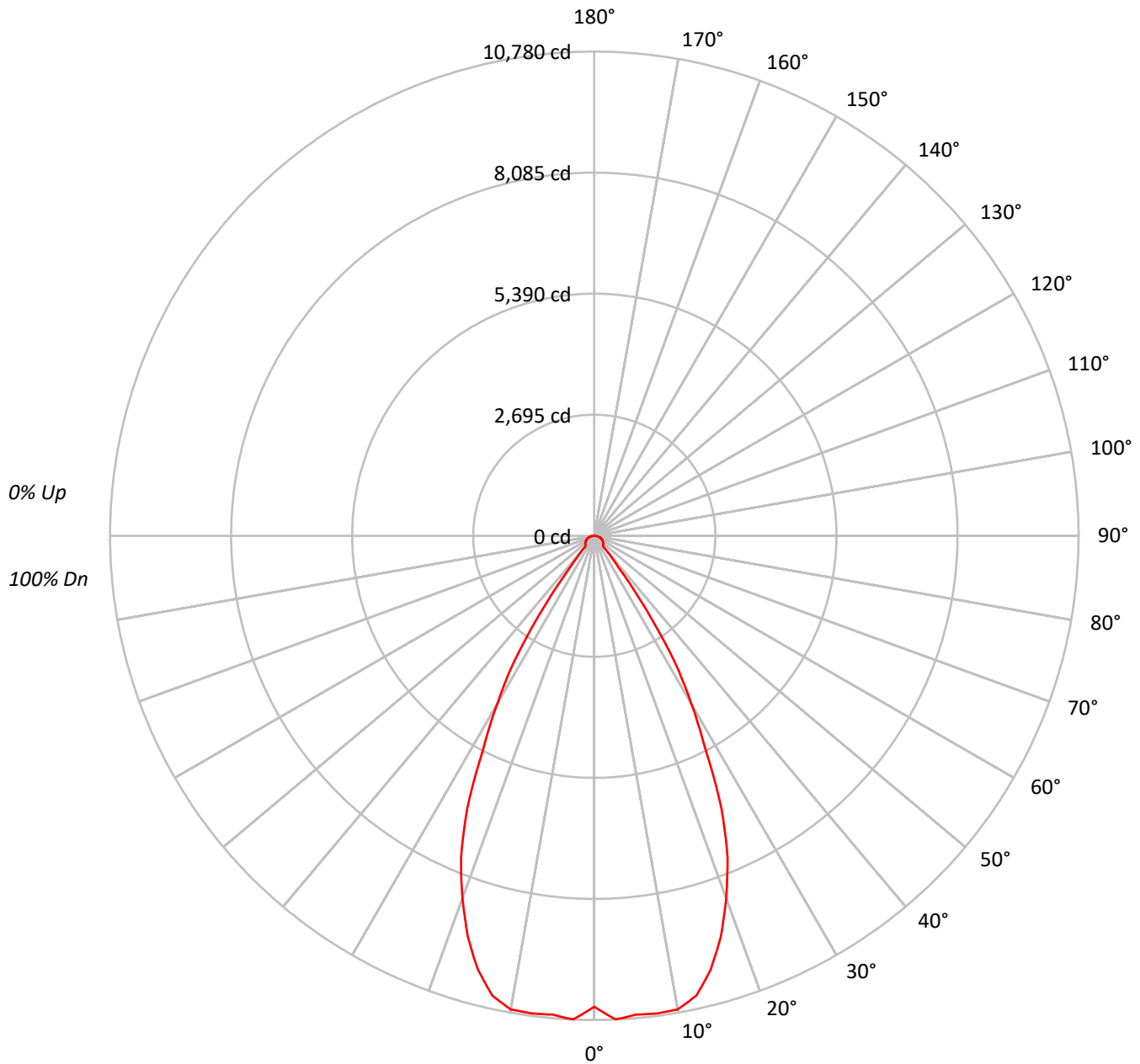


Downlight

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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°	1145588
5°	1173764
10°	1187946
15°	1131671
20°	997784
25°	807037
30°	545897
35°	273555
40°	44372
45°	43435
50°	44297
55°	44975
60°	46217
65°	47260
70°	48398
75°	48970
80°	47191
85°	39364

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 48970 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1022.8	11.6
10°-20°	2767.3	31.3
20°-30°	2977.4	33.7
30°-40°	1294.2	14.7
40°-50°	217.4	2.5
50°-60°	211.4	2.4
60°-70°	180.8	2.0
70°-80°	121.0	1.4
80°-90°	36.2	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°	6767.6	76.7
0°-40°	8061.8	91.3
0°-60°	8490.6	96.2
0°-90°	8828.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8828.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10485	
5°	10702	###
15°	10005	2767
25°	6694	2977
35°	2051	1294
45°	281	217
55°	236	211
65°	183	181
75°	116	121
85°	31	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10484.9
2.5°	10779.7
5°	10701.9
7.5°	10726.5
10°	10707.4
12.5°	10486.3
15°	10004.6
17.5°	9357.9
20°	8581.4
22.5°	7750.5
25°	6694.3
27.5°	5354.4
30°	4326.9
32.5°	3334.9
35°	2050.9
37.5°	877.4
40°	311.1
42.5°	286.5
45°	281.1
47.5°	271.5
50°	260.6
52.5°	248.3
55°	236.1
57.5°	223.8
60°	211.5
62.5°	197.9
65°	182.8
67.5°	167.8
70°	151.5
72.5°	133.7
75°	116.0
77.5°	95.5
80°	75.0
82.5°	53.2
85°	31.4
87.5°	10.9
90°	0.0



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— 0°-180°







(END OF REPORT)