

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: P756590

Luminaire Tested: LD4D95BD010-EU4DR6070959027-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756590
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-EU4DR6070959027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8569.5 lumens
Efficiency: N/A
Efficacy: 86.4 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

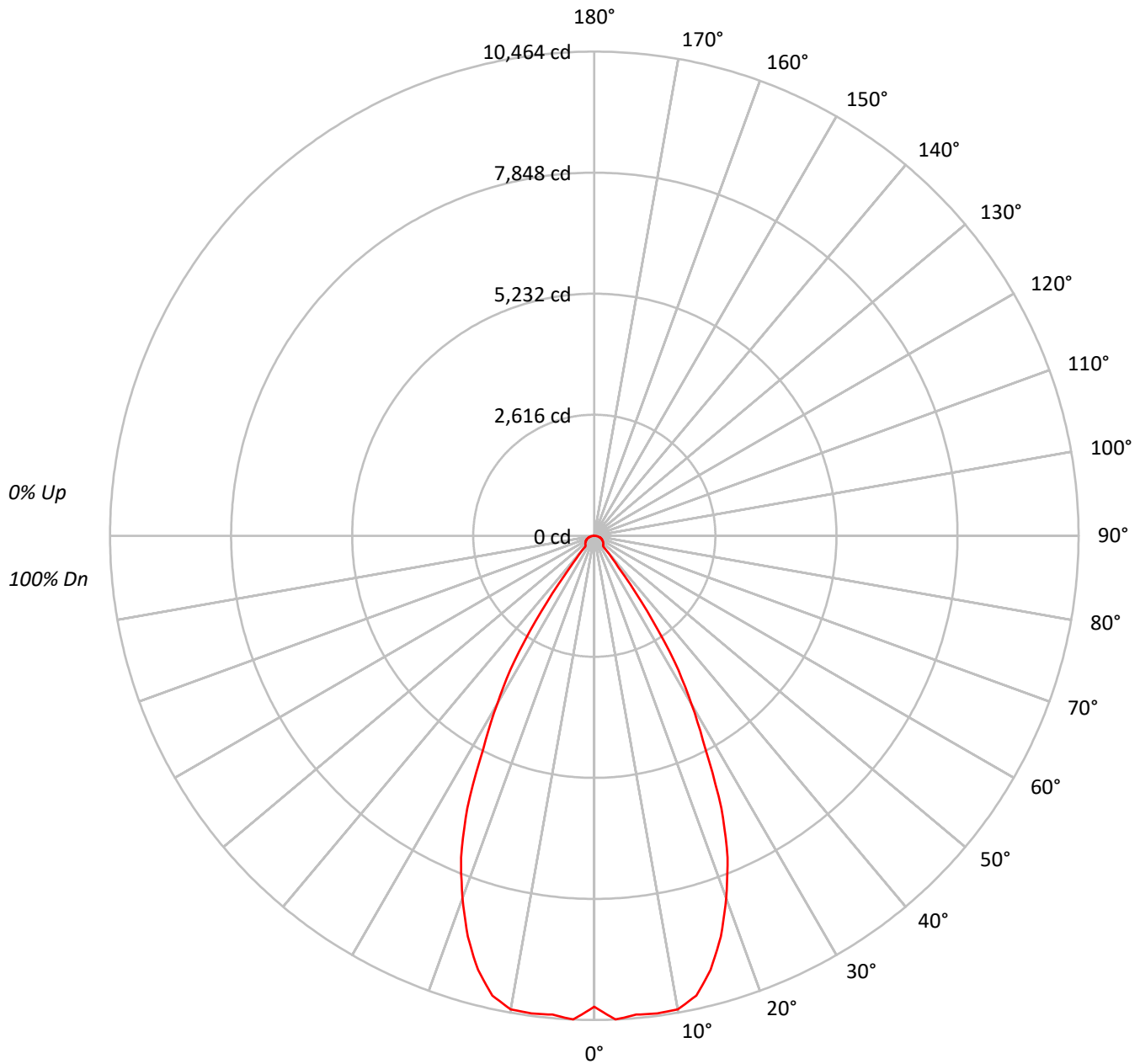


Downlight

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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	113	110	108	105		111	108	106	104		104	102	100			100	99	97			93
2	107	102	98	95		105	101	97	94		97	94	92			94	92	90			86
3	102	96	90	86		100	94	89	86		91	88	84			89	86	83			80
4	97	89	84	80		95	88	83	79		86	82	78			84	80	77			75
5	92	84	78	74		91	83	78	74		81	77	73			80	76	72			70
6	88	79	73	69		87	78	73	69		77	72	68			75	71	68			66
7	84	75	69	65		83	74	68	64		73	68	64			72	67	64			62
8	80	71	65	61		79	70	65	61		69	64	60			68	64	60			59
9	77	67	61	57		75	67	61	57		66	61	57			65	60	57			55
10	73	64	58	54		72	63	58	54		62	58	54			62	57	54			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1111990
5°	1139336
10°	1153098
15°	1098483
20°	968518
25°	783372
30°	529886
35°	265525
40°	43074
45°	42153
50°	43005
55°	43641
60°	44862
65°	45890
70°	46960
75°	47534
80°	45806
85°	38236

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 47534 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	992.8	11.6
10°-20°	2686.2	31.3
20°-30°	2890.1	33.7
30°-40°	1256.3	14.7
40°-50°	211.0	2.5
50°-60°	205.2	2.4
60°-70°	175.5	2.0
70°-80°	117.4	1.4
80°-90°	35.1	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°	6569.1	76.7
0°-40°	7825.4	91.3
0°-60°	8241.5	96.2
0°-90°	8569.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8569.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10177	
5°	10388	993
15°	9711	2686
25°	6498	2890
35°	1991	1256
45°	273	211
55°	229	205
65°	178	175
75°	113	117
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10177.4
2.5°	10463.5
5°	10388.0
7.5°	10411.8
10°	10393.3
12.5°	10178.7
15°	9711.2
17.5°	9083.4
20°	8329.7
22.5°	7523.1
25°	6498.0
27.5°	5197.3
30°	4200.0
32.5°	3237.1
35°	1990.7
37.5°	851.6
40°	302.0
42.5°	278.1
45°	272.8
47.5°	263.6
50°	253.0
52.5°	241.1
55°	229.1
57.5°	217.2
60°	205.3
62.5°	192.1
65°	177.5
67.5°	162.9
70°	147.0
72.5°	129.8
75°	112.6
77.5°	92.7
80°	72.8
82.5°	51.7
85°	30.5
87.5°	10.6
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report







(END OF REPORT)