

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: P753523

Luminaire Tested: LD4D75BD010-EU4DR6070959050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753523
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: LD4D75BD010-EU4DR6070959050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8042.1 lumens
Efficiency: N/A
Efficacy: 111.1 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): 72.4
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

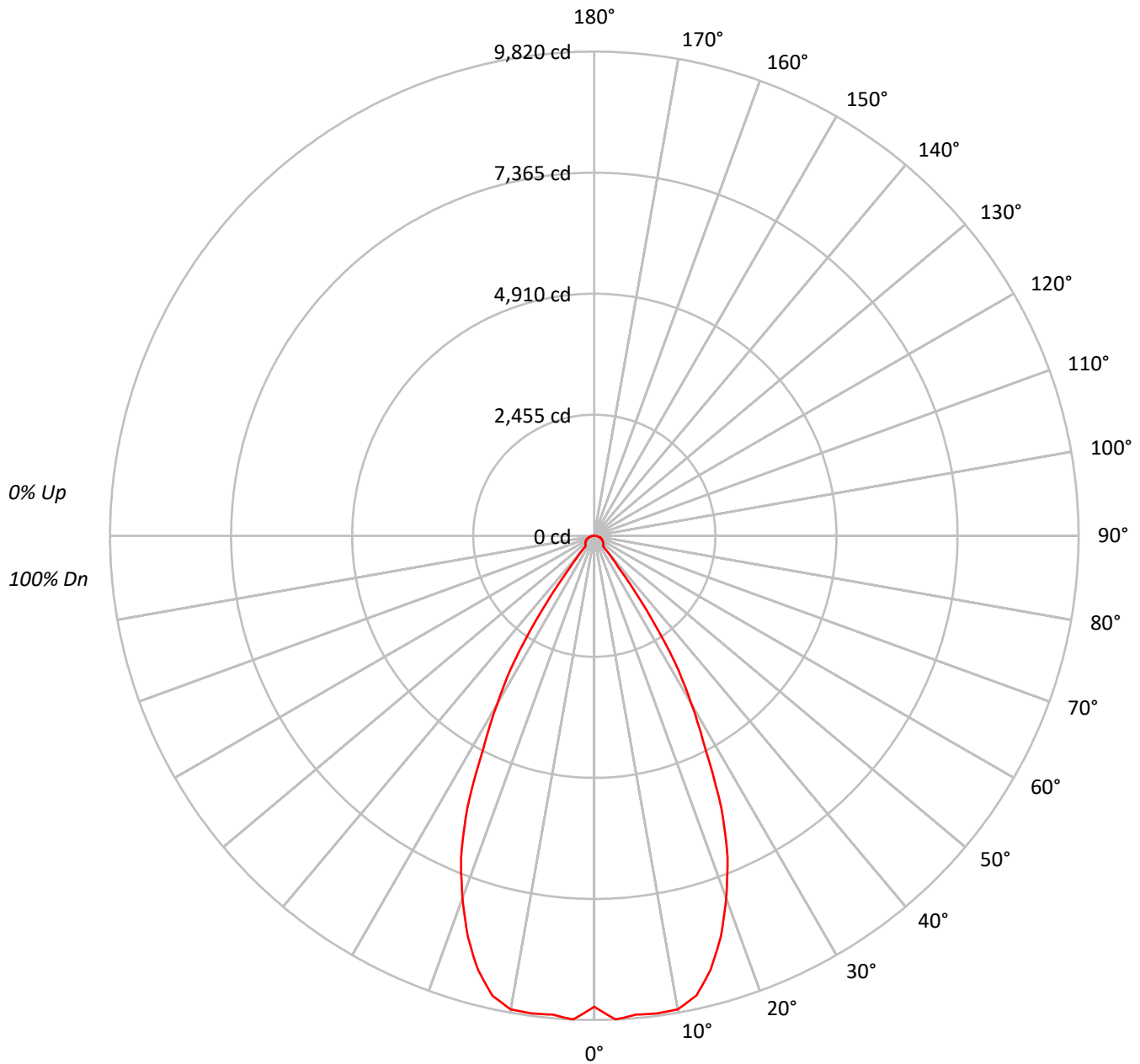


Downlight

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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°	1043549
5°	1069208
10°	1082126
15°	1030874
20°	908917
25°	735150
30°	497273
35°	249186
40°	40421
45°	39572
50°	40353
55°	40955
60°	42109
65°	43072
70°	44085
75°	44621
80°	43038
85°	35854

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 44621 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	931.7	11.6
10°-20°	2520.8	31.3
20°-30°	2712.2	33.7
30°-40°	1178.9	14.7
40°-50°	198.0	2.5
50°-60°	192.5	2.4
60°-70°	164.7	2.0
70°-80°	110.2	1.4
80°-90°	33.0	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°	6164.8	76.7
0°-40°	7343.7	91.3
0°-60°	7734.3	96.2
0°-90°	8042.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8042.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9551	
5°	9749	932
15°	9114	2521
25°	6098	2712
35°	1868	1179
45°	256	198
55°	215	193
65°	167	165
75°	106	110
85°	29	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9551.0
2.5°	9819.5
5°	9748.6
7.5°	9771.0
10°	9753.6
12.5°	9552.3
15°	9113.5
17.5°	8524.3
20°	7817.1
22.5°	7060.1
25°	6098.0
27.5°	4877.4
30°	3941.5
32.5°	3037.8
35°	1868.2
37.5°	799.2
40°	283.4
42.5°	261.0
45°	256.1
47.5°	247.4
50°	237.4
52.5°	226.2
55°	215.0
57.5°	203.8
60°	192.7
62.5°	180.2
65°	166.6
67.5°	152.9
70°	138.0
72.5°	121.8
75°	105.7
77.5°	87.0
80°	68.4
82.5°	48.5
85°	28.6
87.5°	9.9
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





— 0°-180°







(END OF REPORT)