

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: P753652

Luminaire Tested: LD4D75BD010-EU4DR7070959035-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR7070959035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7312.8 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

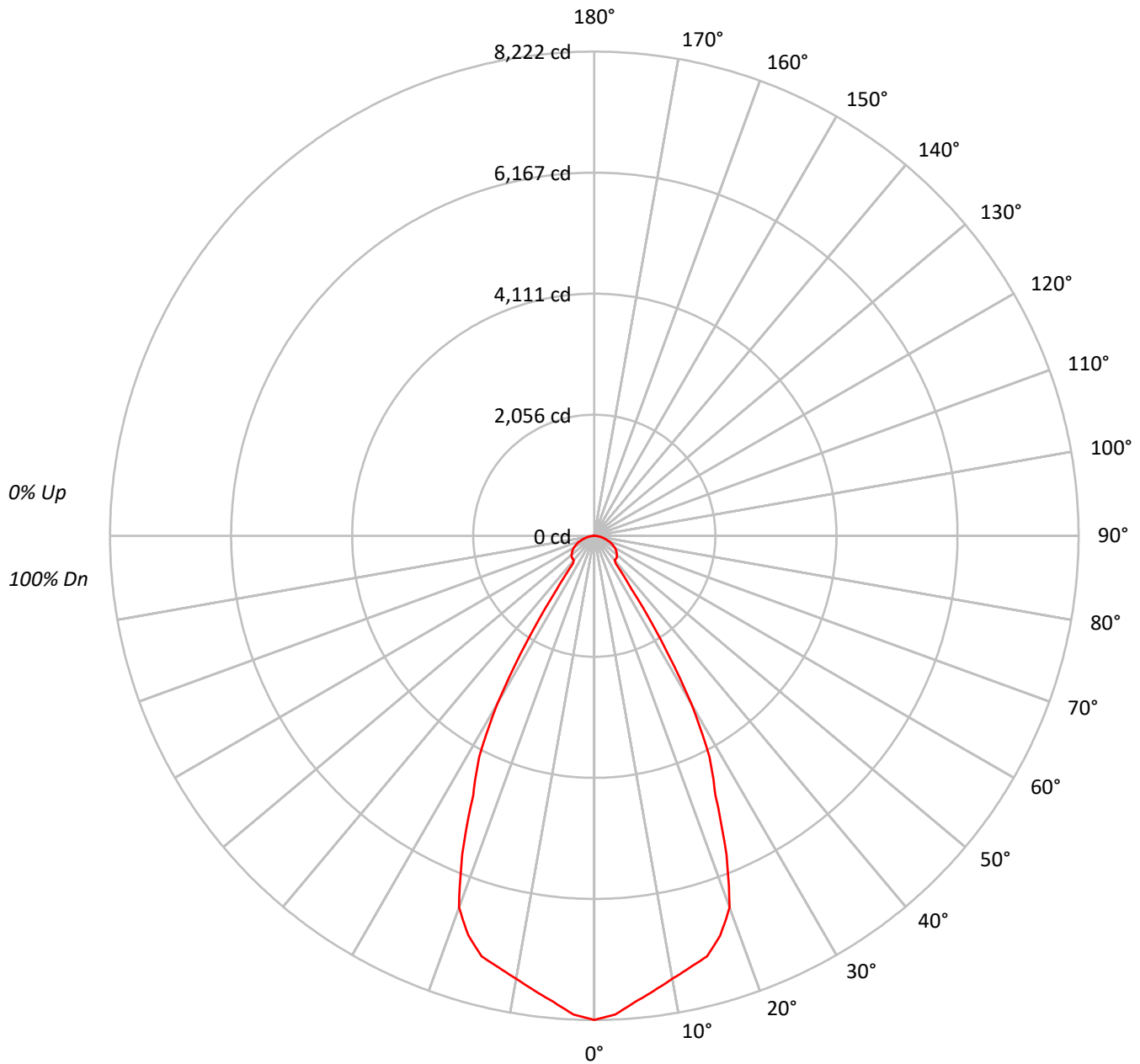


Downlight

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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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	898309
5°	871612
10°	847319
15°	836203
20°	780842
25°	586613
30°	414687
35°	146894
40°	77234
45°	82265
50°	85194
55°	86787
60°	87321
65°	85471
70°	80663
75°	74721
80°	66318
85°	53906

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 87360 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	749.6	10.3
10°-20°	2056.1	28.1
20°-30°	2264.5	31.0
30°-40°	865.2	11.8
40°-50°	408.5	5.6
50°-60°	406.1	5.6
60°-70°	325.2	4.4
70°-80°	186.9	2.6
80°-90°	50.8	0.7
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°	5070.1	69.3
0°-40°	5935.3	81.2
0°-60°	6750.0	92.3
0°-90°	7312.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7312.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8222	
5°	7947	750
15°	7392	2056
25°	4866	2264
35°	1101	865
45°	532	409
55°	456	406
65°	331	325
75°	177	187
85°	43	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8221.7
2.5°	8135.8
5°	7947.0
7.5°	7789.5
10°	7637.2
12.5°	7508.4
15°	7392.5
17.5°	7112.6
20°	6715.6
22.5°	5859.1
25°	4865.9
27.5°	4235.8
30°	3286.9
32.5°	2123.1
35°	1101.3
37.5°	594.9
40°	541.5
42.5°	537.6
45°	532.4
47.5°	520.7
50°	501.2
52.5°	479.0
55°	455.6
57.5°	429.6
60°	399.6
62.5°	365.8
65°	330.6
67.5°	291.6
70°	252.5
72.5°	213.5
75°	177.0
77.5°	139.3
80°	105.4
82.5°	74.2
85°	43.0
87.5°	16.9
90°	0.0



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— 0°-180°







(END OF REPORT)