

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: P753627

Luminaire Tested: LD4D75BD010-EU4DR7070959027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753627
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-EU4DR7070959027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7375.5 lumens
Efficiency: N/A
Efficacy: 101.9 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

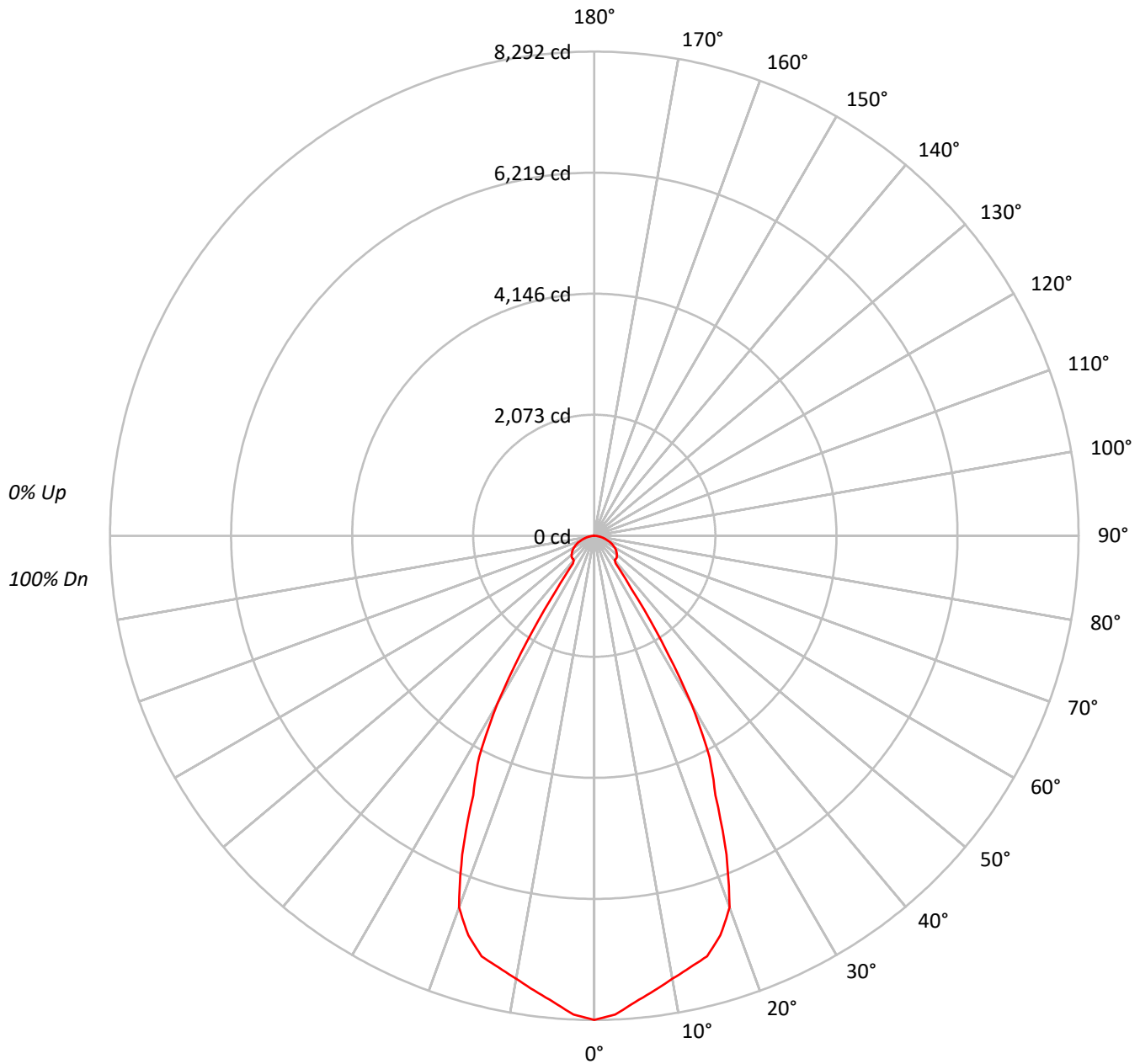


Downlight

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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°	906012
5°	879092
10°	854586
15°	843375
20°	787539
25°	591640
30°	418232
35°	148148
40°	77904
45°	82976
50°	85925
55°	87530
60°	88086
65°	86221
70°	81366
75°	75396
80°	66885
85°	54282

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 88112 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	756.0	10.3
10°-20°	2073.7	28.1
20°-30°	2283.9	31.0
30°-40°	872.6	11.8
40°-50°	412.0	5.6
50°-60°	409.6	5.6
60°-70°	328.0	4.4
70°-80°	188.5	2.6
80°-90°	51.2	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°	5113.6	69.3
0°-40°	5986.2	81.2
0°-60°	6807.8	92.3
0°-90°	7375.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7375.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8292	
5°	8015	756
15°	7456	2074
25°	4908	2284
35°	1111	873
45°	537	412
55°	460	410
65°	334	328
75°	179	188
85°	43	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8292.2
2.5°	8205.6
5°	8015.2
7.5°	7856.3
10°	7702.7
12.5°	7572.8
15°	7455.9
17.5°	7173.6
20°	6773.2
22.5°	5909.3
25°	4907.6
27.5°	4272.1
30°	3315.0
32.5°	2141.3
35°	1110.7
37.5°	600.0
40°	546.2
42.5°	542.2
45°	537.0
47.5°	525.2
50°	505.5
52.5°	483.1
55°	459.5
57.5°	433.3
60°	403.1
62.5°	368.9
65°	333.5
67.5°	294.1
70°	254.7
72.5°	215.3
75°	178.6
77.5°	140.5
80°	106.3
82.5°	74.8
85°	43.3
87.5°	17.1
90°	0.0



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— 0°-180°







(END OF REPORT)