

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: P753535

Luminaire Tested: LD4D75BD010-EU4DR6570959024-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6570959024-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5383.0 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): 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

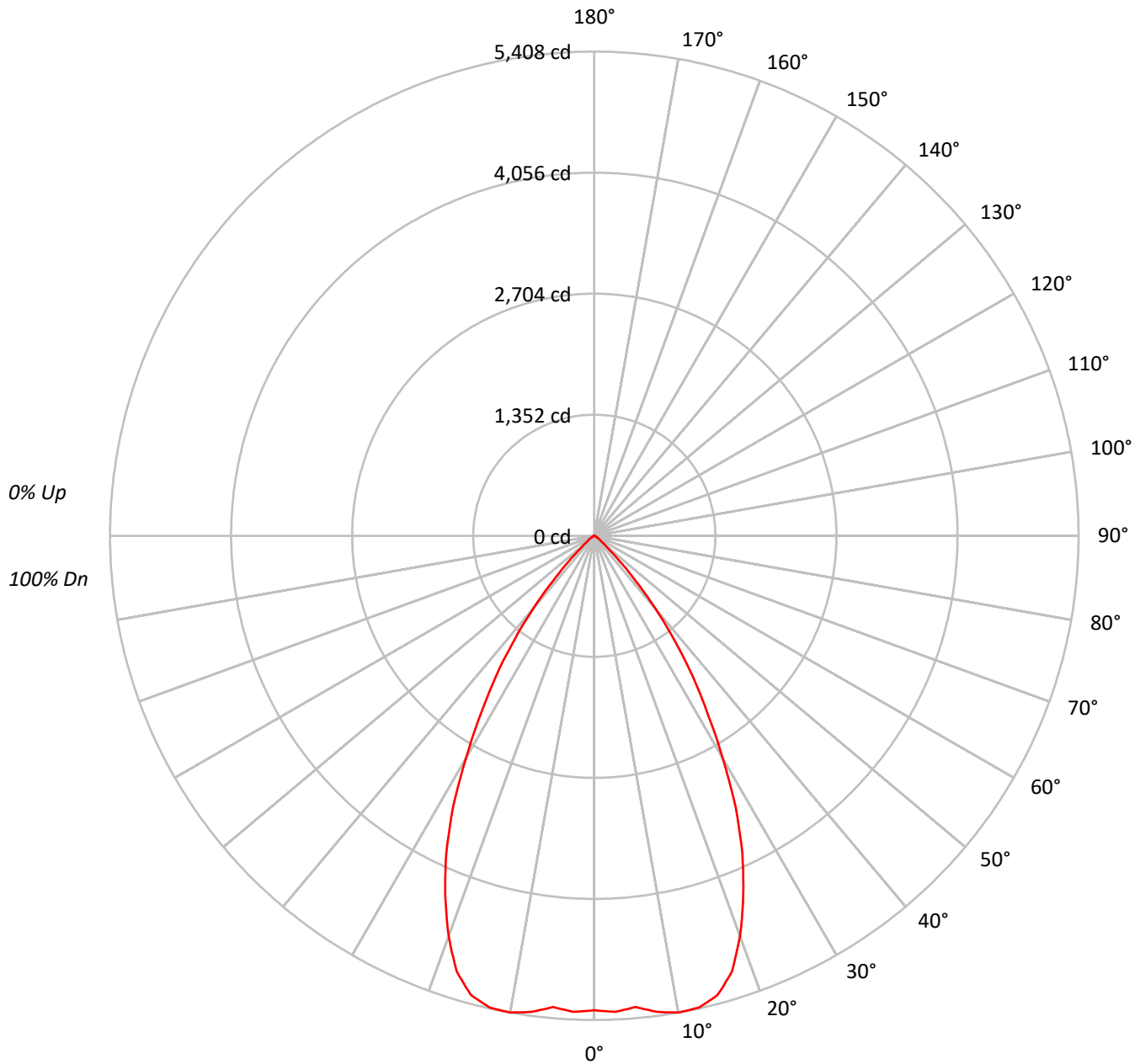


Downlight

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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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	579060
5°	579539
10°	599942
15°	600946
20°	553261
25°	471410
30°	360878
35°	254961
40°	150489
45°	61096
50°	22148
55°	12344
60°	7080
65°	3904
70°	4089
75°	3166
80°	3335
85°	2883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61096 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.3	9.5
10°-20°	1472.1	27.3
20°-30°	1766.2	32.8
30°-40°	1186.9	22.0
40°-50°	355.3	6.6
50°-60°	62.7	1.2
60°-70°	17.9	0.3
70°-80°	8.7	0.2
80°-90°	2.8	0.1
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°	3748.6	69.6
0°-40°	4935.5	91.7
0°-60°	5353.6	99.5
0°-90°	5383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5383.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5300	
5°	5284	510
15°	5313	1472
25°	3910	1766
35°	1912	1187
45°	395	355
55°	65	63
65°	15	18
75°	8	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5299.8
2.5°	5322.4
5°	5284.0
7.5°	5363.9
10°	5407.5
12.5°	5397.0
15°	5312.7
17.5°	5106.3
20°	4758.3
22.5°	4348.6
25°	3910.3
27.5°	3415.5
30°	2860.4
32.5°	2357.3
35°	1911.5
37.5°	1470.9
40°	1055.1
42.5°	689.1
45°	395.4
47.5°	209.4
50°	130.3
52.5°	90.4
55°	64.8
57.5°	46.7
60°	32.4
62.5°	21.1
65°	15.1
67.5°	13.6
70°	12.8
72.5°	9.8
75°	7.5
77.5°	6.8
80°	5.3
82.5°	3.8
85°	2.3
87.5°	1.5
90°	0.0



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— 0°-180°







(END OF REPORT)