

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: P753601

Luminaire Tested: LD4D75BD010-EU4DR6570959050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753601
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-EU4DR6570959050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7027.0 lumens
Efficiency: N/A
Efficacy: 97.1 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 (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

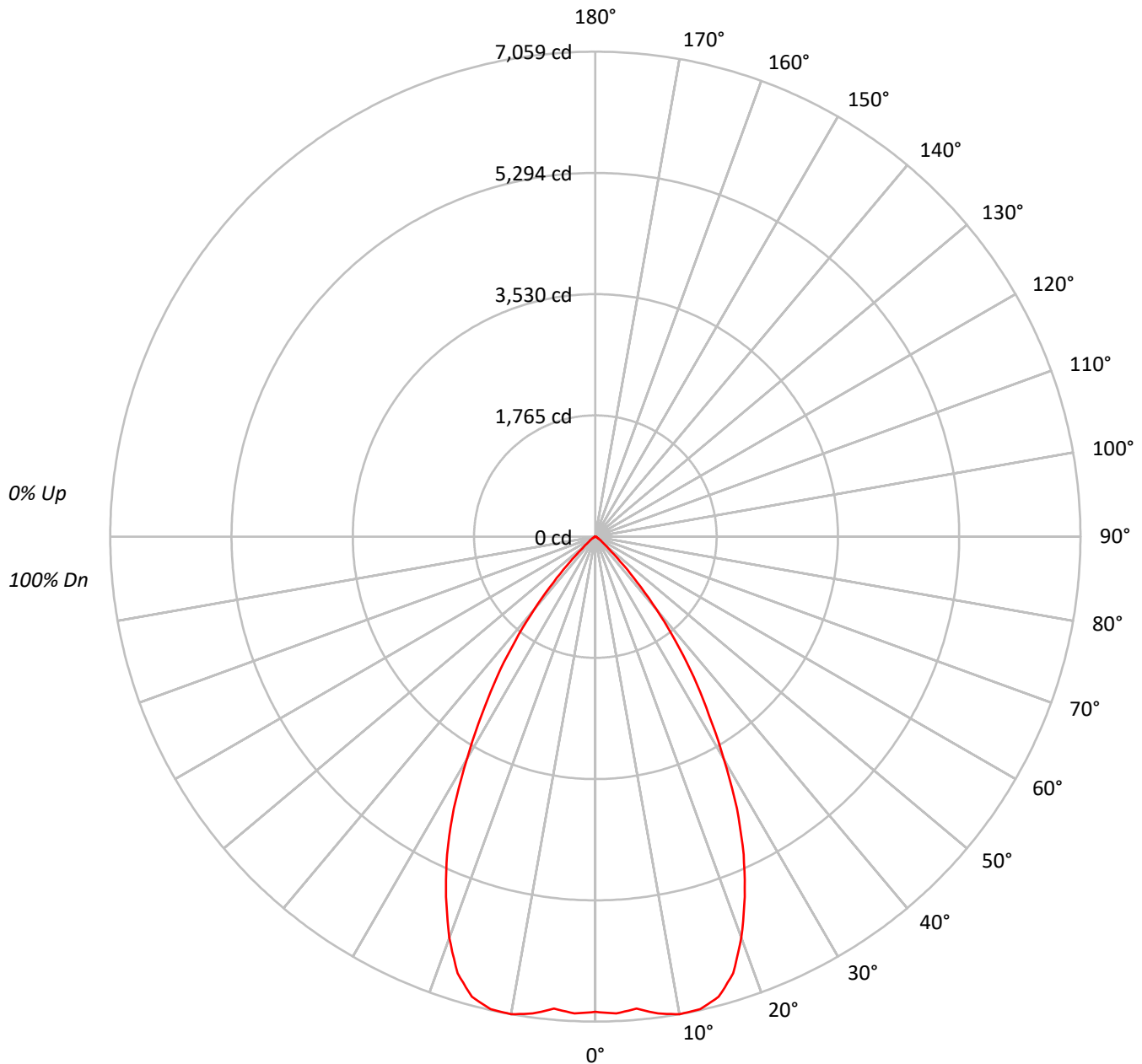


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	755921
5°	756549
10°	783181
15°	784476
20°	722241
25°	615390
30°	471107
35°	332830
40°	196458
45°	79762
50°	28914
55°	16115
60°	9243
65°	5093
70°	5335
75°	4137
80°	4342
85°	3636

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 79762 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	666.2	9.5
10°-20°	1921.7	27.3
20°-30°	2305.7	32.8
30°-40°	1549.5	22.1
40°-50°	463.8	6.6
50°-60°	81.9	1.2
60°-70°	23.3	0.3
70°-80°	11.4	0.2
80°-90°	3.6	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°	4893.5	69.6
0°-40°	6443.0	91.7
0°-60°	6988.7	99.5
0°-90°	7027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7027.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6918	
5°	6898	666
15°	6935	1922
25°	5105	2306
35°	2495	1549
45°	516	464
55°	85	82
65°	20	23
75°	10	11
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6918.5
2.5°	6948.0
5°	6897.9
7.5°	7002.1
10°	7059.1
12.5°	7045.4
15°	6935.2
17.5°	6665.9
20°	6211.6
22.5°	5676.8
25°	5104.6
27.5°	4458.7
30°	3734.1
32.5°	3077.3
35°	2495.3
37.5°	1920.1
40°	1377.4
42.5°	899.6
45°	516.2
47.5°	273.3
50°	170.1
52.5°	118.0
55°	84.6
57.5°	61.0
60°	42.3
62.5°	27.5
65°	19.7
67.5°	17.7
70°	16.7
72.5°	12.8
75°	9.8
77.5°	8.8
80°	6.9
82.5°	4.9
85°	2.9
87.5°	2.0
90°	0.0



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— 0°-180°







(END OF REPORT)