

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: P753549

Luminaire Tested: LD4D75BD010-EU4DR6570959027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753549
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-EU4DR6570959027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6402.5 lumens
Efficiency: N/A
Efficacy: 88.4 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 (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

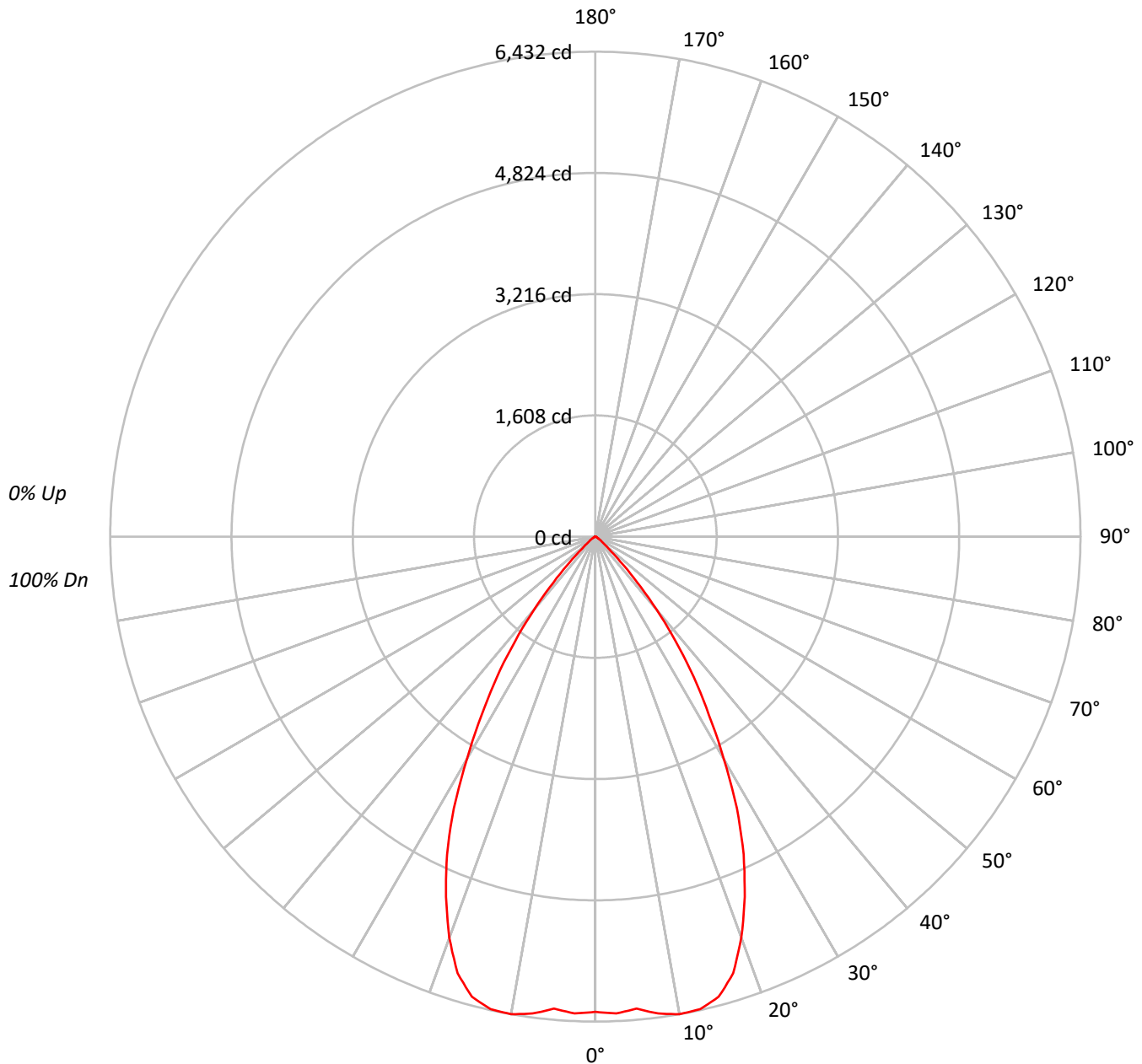


Downlight

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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°	688747
5°	689316
10°	713584
15°	714774
20°	658070
25°	560706
30°	429233
35°	303246
40°	179000
45°	72670
50°	26347
55°	14668
60°	8413
65°	4628
70°	4856
75°	3799
80°	3964
85°	3385

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 72670 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.0	9.5
10°-20°	1750.9	27.3
20°-30°	2100.8	32.8
30°-40°	1411.8	22.1
40°-50°	422.6	6.6
50°-60°	74.6	1.2
60°-70°	21.2	0.3
70°-80°	10.4	0.2
80°-90°	3.3	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°	4458.7	69.6
0°-40°	5870.4	91.7
0°-60°	6367.6	99.5
0°-90°	6402.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6402.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6304	
5°	6285	607
15°	6319	1751
25°	4651	2101
35°	2274	1412
45°	470	423
55°	77	75
65°	18	21
75°	9	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6303.7
2.5°	6330.6
5°	6284.9
7.5°	6379.9
10°	6431.8
12.5°	6419.3
15°	6319.0
17.5°	6073.5
20°	5659.7
22.5°	5172.3
25°	4651.0
27.5°	4062.5
30°	3402.2
32.5°	2803.9
35°	2273.5
37.5°	1749.5
40°	1255.0
42.5°	819.7
45°	470.3
47.5°	249.0
50°	155.0
52.5°	107.5
55°	77.0
57.5°	55.5
60°	38.5
62.5°	25.1
65°	17.9
67.5°	16.1
70°	15.2
72.5°	11.6
75°	9.0
77.5°	8.1
80°	6.3
82.5°	4.5
85°	2.7
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)