

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: P753602

Luminaire Tested: LD4D75BD010-EU4DR6570959050-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753602
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-EU4DR6570959050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5774.1 lumens
Efficiency: N/A
Efficacy: 79.8 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

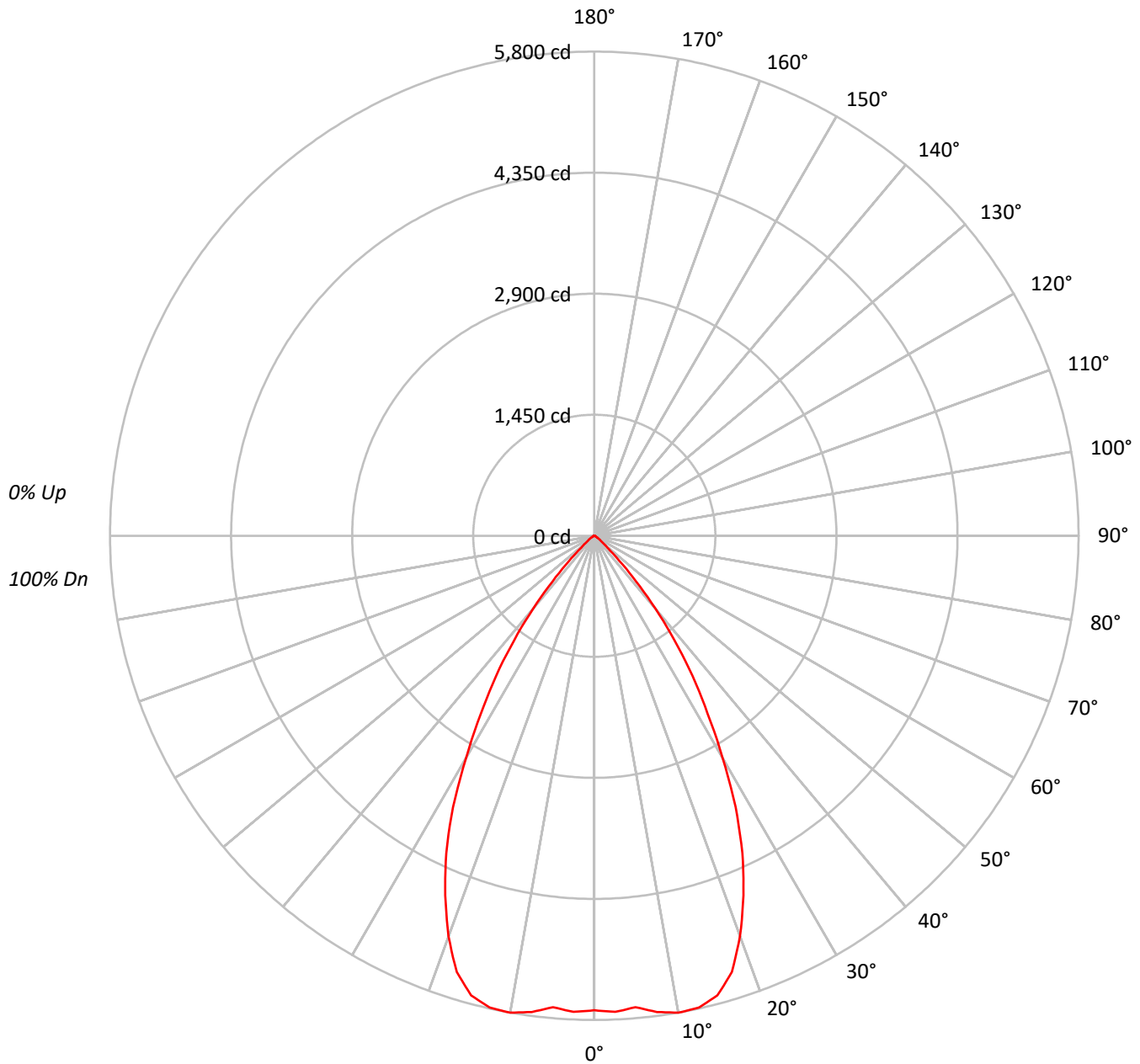


Downlight

TEST NUMBER: P753602

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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°	621147
5°	621656
10°	643544
15°	644609
20°	593468
25°	505672
30°	387107
35°	273488
40°	161428
45°	65531
50°	23763
55°	13239
60°	7583
65°	4188
70°	4377
75°	3419
80°	3586
85°	3009

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65531 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.4	9.5
10°-20°	1579.0	27.3
20°-30°	1894.6	32.8
30°-40°	1273.2	22.1
40°-50°	381.1	6.6
50°-60°	67.3	1.2
60°-70°	19.1	0.3
70°-80°	9.4	0.2
80°-90°	3.0	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°	4021.0	69.6
0°-40°	5294.2	91.7
0°-60°	5742.6	99.5
0°-90°	5774.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5774.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5685	
5°	5668	547
15°	5699	1579
25°	4194	1895
35°	2050	1273
45°	424	381
55°	70	67
65°	16	19
75°	8	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5685.0
2.5°	5709.2
5°	5668.0
7.5°	5753.7
10°	5800.5
12.5°	5789.2
15°	5698.7
17.5°	5477.4
20°	5104.1
22.5°	4664.7
25°	4194.5
27.5°	3663.7
30°	3068.3
32.5°	2528.6
35°	2050.4
37.5°	1577.8
40°	1131.8
42.5°	739.2
45°	424.1
47.5°	224.6
50°	139.8
52.5°	96.9
55°	69.5
57.5°	50.1
60°	34.7
62.5°	22.6
65°	16.2
67.5°	14.5
70°	13.7
72.5°	10.5
75°	8.1
77.5°	7.3
80°	5.7
82.5°	4.0
85°	2.4
87.5°	1.6
90°	0.0



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— 0°-180°







(END OF REPORT)