

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: P753554

Luminaire Tested: LD4D75BD010-EU4DR6570959027-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P753554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6570959027-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6099.0 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

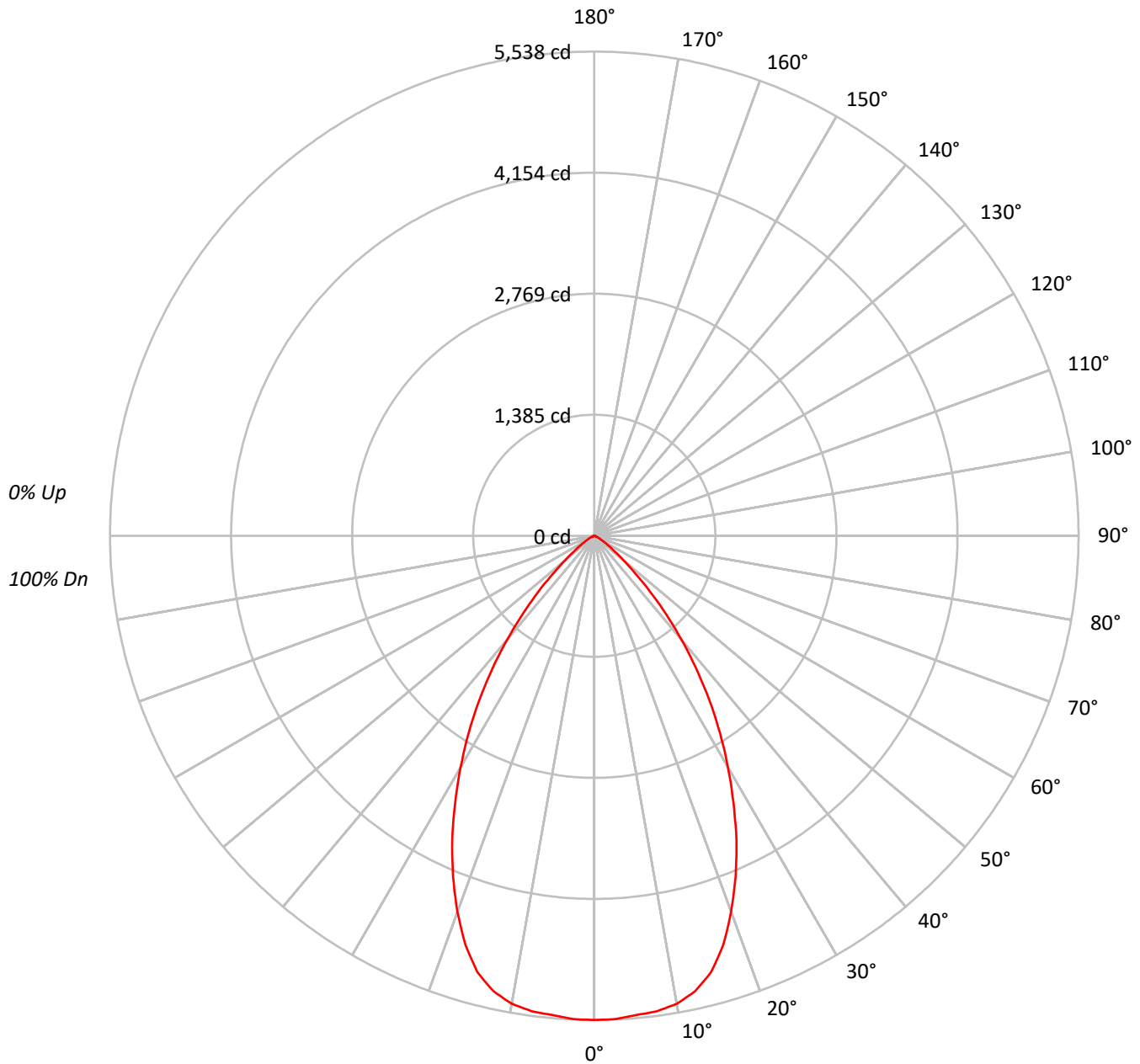


Downlight

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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	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	323429
5°	322612
10°	322340
15°	312400
20°	284402
25°	247836
30°	206134
35°	163329
40°	117884
45°	74476
50°	38816
55°	20630
60°	10840
65°	5956
70°	2493
75°	2753
80°	1917
85°	1608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 74476 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	523.7	8.6
10°-20°	1434.1	23.5
20°-30°	1753.0	28.7
30°-40°	1422.3	23.3
40°-50°	708.7	11.6
50°-60°	197.7	3.2
60°-70°	44.9	0.7
70°-80°	11.7	0.2
80°-90°	3.0	0.0
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°	3710.7	60.8
0°-40°	5133.0	84.2
0°-60°	6039.5	99.0
0°-90°	6099.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6099.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5538	
5°	5503	524
15°	5167	1434
25°	3846	1753
35°	2291	1422
45°	902	709
55°	203	198
65°	43	45
75°	12	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5537.8
2.5°	5533.7
5°	5502.8
7.5°	5484.9
10°	5435.3
12.5°	5334.4
15°	5166.7
17.5°	4904.7
20°	4575.9
22.5°	4221.1
25°	3845.9
27.5°	3444.8
30°	3056.6
32.5°	2673.3
35°	2290.8
37.5°	1909.1
40°	1546.2
42.5°	1206.0
45°	901.7
47.5°	628.2
50°	427.2
52.5°	294.6
55°	202.6
57.5°	136.7
60°	92.8
62.5°	64.3
65°	43.1
67.5°	22.0
70°	14.6
72.5°	13.8
75°	12.2
77.5°	8.1
80°	5.7
82.5°	4.1
85°	2.4
87.5°	1.6
90°	0.0



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— 0°-180°







(END OF REPORT)