

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: P753541

Luminaire Tested: LD4D75BD010-EU4DR6570959024-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P753541
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-EU4DR6570959024-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5384.2 lumens
Efficiency: N/A
Efficacy: 74.4 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

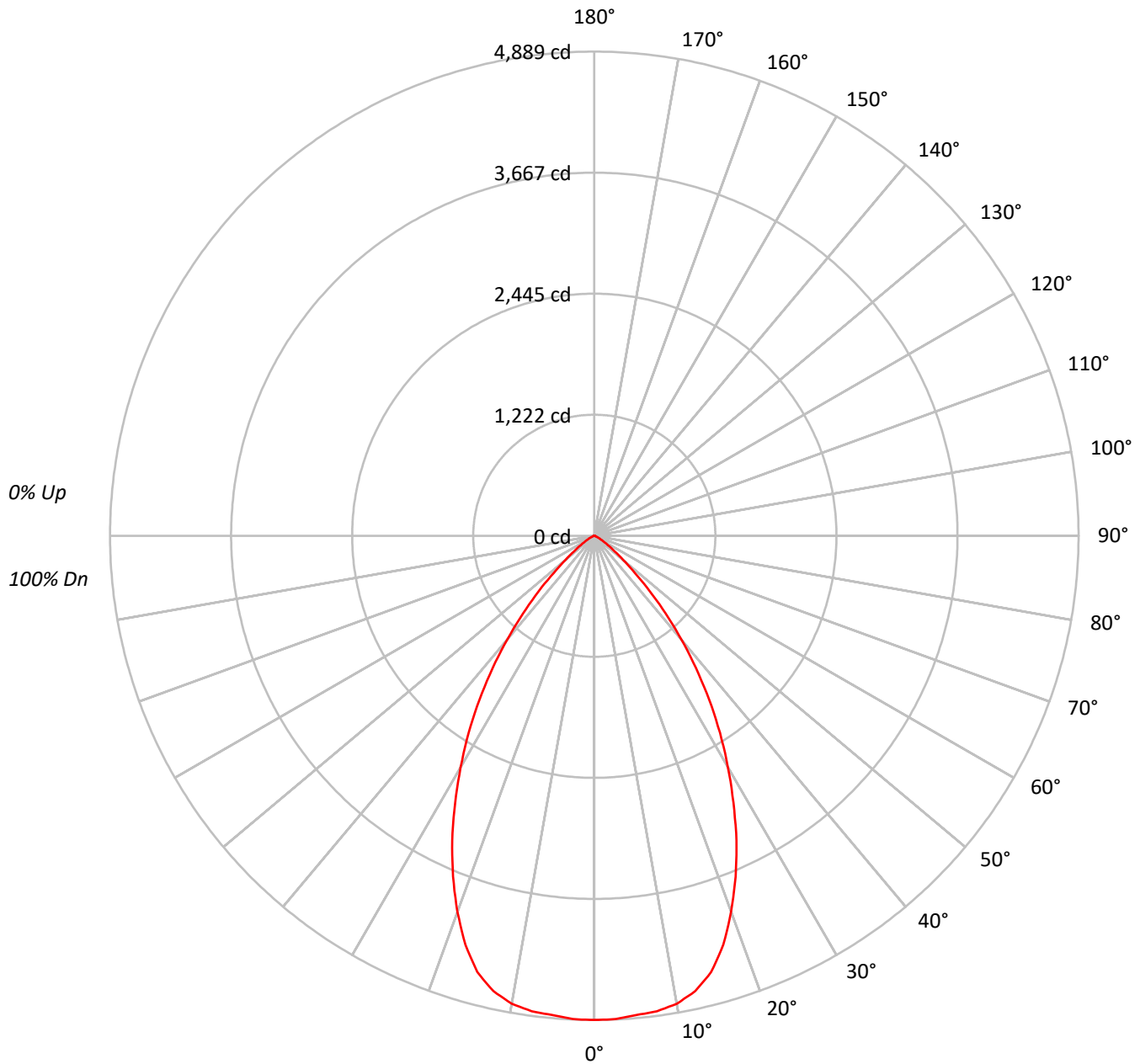


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	83		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	77	74		80	76	73
5	90	81	74	70		88	80	74	69		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	64	59		79	69	63	59		68	63	59		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	285519
5°	284798
10°	284557
15°	275783
20°	251063
25°	218785
30°	181971
35°	144186
40°	104069
45°	65746
50°	34273
55°	18216
60°	9567
65°	5265
70°	2203
75°	2437
80°	1682
85°	1474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65746 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.3	8.6
10°-20°	1266.0	23.5
20°-30°	1547.5	28.7
30°-40°	1255.6	23.3
40°-50°	625.7	11.6
50°-60°	174.5	3.2
60°-70°	39.7	0.7
70°-80°	10.3	0.2
80°-90°	2.6	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°	3275.8	60.8
0°-40°	4531.4	84.2
0°-60°	5331.6	99.0
0°-90°	5384.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5384.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4889	
5°	4858	462
15°	4561	1266
25°	3395	1547
35°	2022	1256
45°	796	626
55°	179	175
65°	38	40
75°	11	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4888.7
2.5°	4885.1
5°	4857.8
7.5°	4842.0
10°	4798.2
12.5°	4709.1
15°	4561.1
17.5°	4329.8
20°	4039.5
22.5°	3726.3
25°	3395.1
27.5°	3041.0
30°	2698.3
32.5°	2359.9
35°	2022.3
37.5°	1685.4
40°	1365.0
42.5°	1064.7
45°	796.0
47.5°	554.6
50°	377.2
52.5°	260.1
55°	178.9
57.5°	120.7
60°	81.9
62.5°	56.8
65°	38.1
67.5°	19.4
70°	12.9
72.5°	12.2
75°	10.8
77.5°	7.2
80°	5.0
82.5°	3.6
85°	2.2
87.5°	1.4
90°	0.0



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— 0°-180°







(END OF REPORT)