

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: P753593

Luminaire Tested: LD4D75BD010-EU4DR6570959040-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P753593
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-EU4DR6570959040-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6646.5 lumens
Efficiency: N/A
Efficacy: 91.8 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

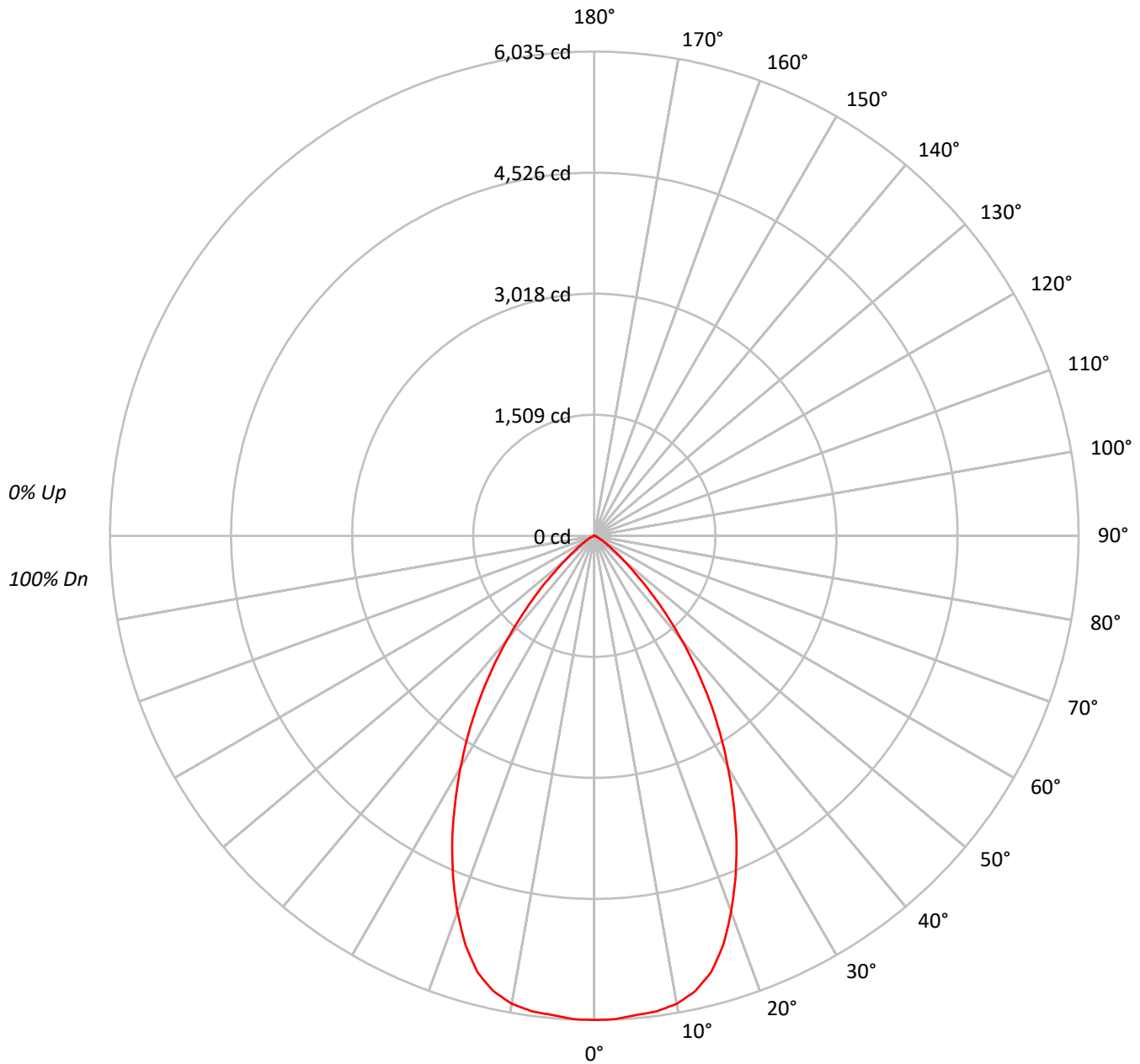


Downlight

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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°	352456
5°	351568
10°	351263
15°	340437
20°	309928
25°	270081
30°	224633
35°	177988
40°	128466
45°	81158
50°	42305
55°	22483
60°	11809
65°	6495
70°	2732
75°	3001
80°	2085
85°	1809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 81158 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.7	8.6
10°-20°	1562.8	23.5
20°-30°	1910.3	28.7
30°-40°	1549.9	23.3
40°-50°	772.4	11.6
50°-60°	215.4	3.2
60°-70°	49.0	0.7
70°-80°	12.8	0.2
80°-90°	3.3	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°	4043.8	60.8
0°-40°	5593.7	84.2
0°-60°	6581.5	99.0
0°-90°	6646.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6646.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6035	
5°	5997	571
15°	5630	1563
25°	4191	1910
35°	2496	1550
45°	983	772
55°	221	215
65°	47	49
75°	13	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6034.8
2.5°	6030.4
5°	5996.7
7.5°	5977.1
10°	5923.0
12.5°	5813.1
15°	5630.4
17.5°	5344.8
20°	4986.6
22.5°	4599.9
25°	4191.1
27.5°	3753.9
30°	3330.9
32.5°	2913.2
35°	2496.4
37.5°	2080.5
40°	1685.0
42.5°	1314.3
45°	982.6
47.5°	684.6
50°	465.6
52.5°	321.0
55°	220.8
57.5°	149.0
60°	101.1
62.5°	70.1
65°	47.0
67.5°	23.9
70°	16.0
72.5°	15.1
75°	13.3
77.5°	8.9
80°	6.2
82.5°	4.4
85°	2.7
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)