

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: P753537

Luminaire Tested: LD4D75BD010-EU4DR6570959024-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753537
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-EU4DR6570959024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF 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: 4644.3 lumens
Efficiency: N/A
Efficacy: 64.1 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

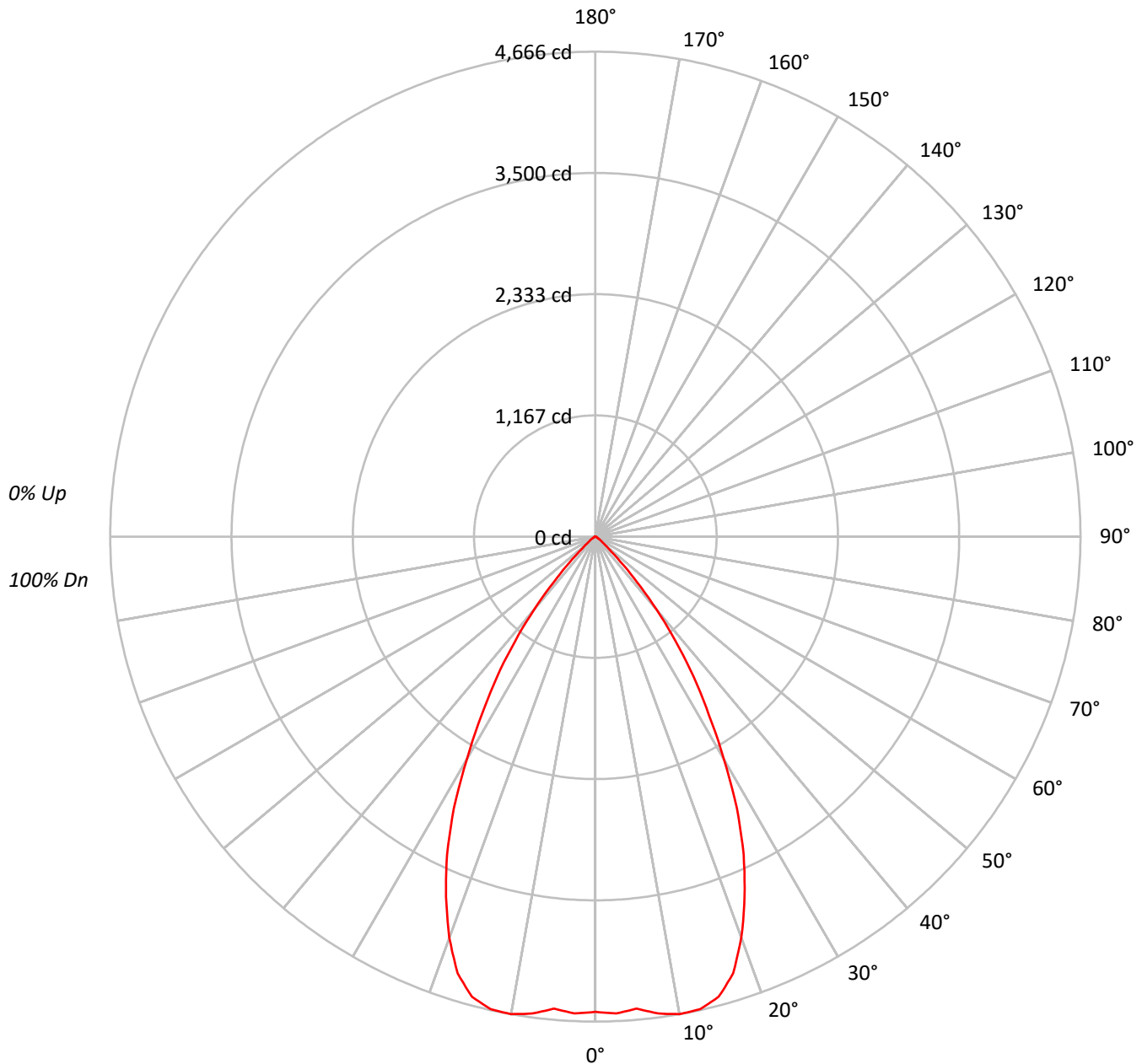


Downlight

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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°	499617
5°	500023
10°	517631
15°	518485
20°	477358
25°	406732
30°	311371
35°	219975
40°	129850
45°	52706
50°	19106
55°	10648
60°	6097
65°	3361
70°	3514
75°	2744
80°	2831
85°	2382

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52706 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.3	9.5
10°-20°	1270.1	27.3
20°-30°	1523.9	32.8
30°-40°	1024.1	22.1
40°-50°	306.6	6.6
50°-60°	54.1	1.2
60°-70°	15.4	0.3
70°-80°	7.5	0.2
80°-90°	2.4	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°	3234.3	69.6
0°-40°	4258.4	91.7
0°-60°	4619.0	99.5
0°-90°	4644.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4644.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4573	
5°	4559	440
15°	4584	1270
25°	3374	1524
35°	1649	1024
45°	341	307
55°	56	54
65°	13	15
75°	6	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4572.7
2.5°	4592.2
5°	4559.0
7.5°	4627.9
10°	4665.6
12.5°	4656.5
15°	4583.7
17.5°	4405.7
20°	4105.5
22.5°	3752.0
25°	3373.8
27.5°	2946.9
30°	2468.0
32.5°	2033.9
35°	1649.2
37.5°	1269.1
40°	910.4
42.5°	594.6
45°	341.1
47.5°	180.6
50°	112.4
52.5°	78.0
55°	55.9
57.5°	40.3
60°	27.9
62.5°	18.2
65°	13.0
67.5°	11.7
70°	11.0
72.5°	8.4
75°	6.5
77.5°	5.8
80°	4.5
82.5°	3.2
85°	1.9
87.5°	1.3
90°	0.0



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— 0°-180°







(END OF REPORT)