

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: P753459

Luminaire Tested: LD4D75BD010-EU4DR6070959024-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6070959024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5579.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

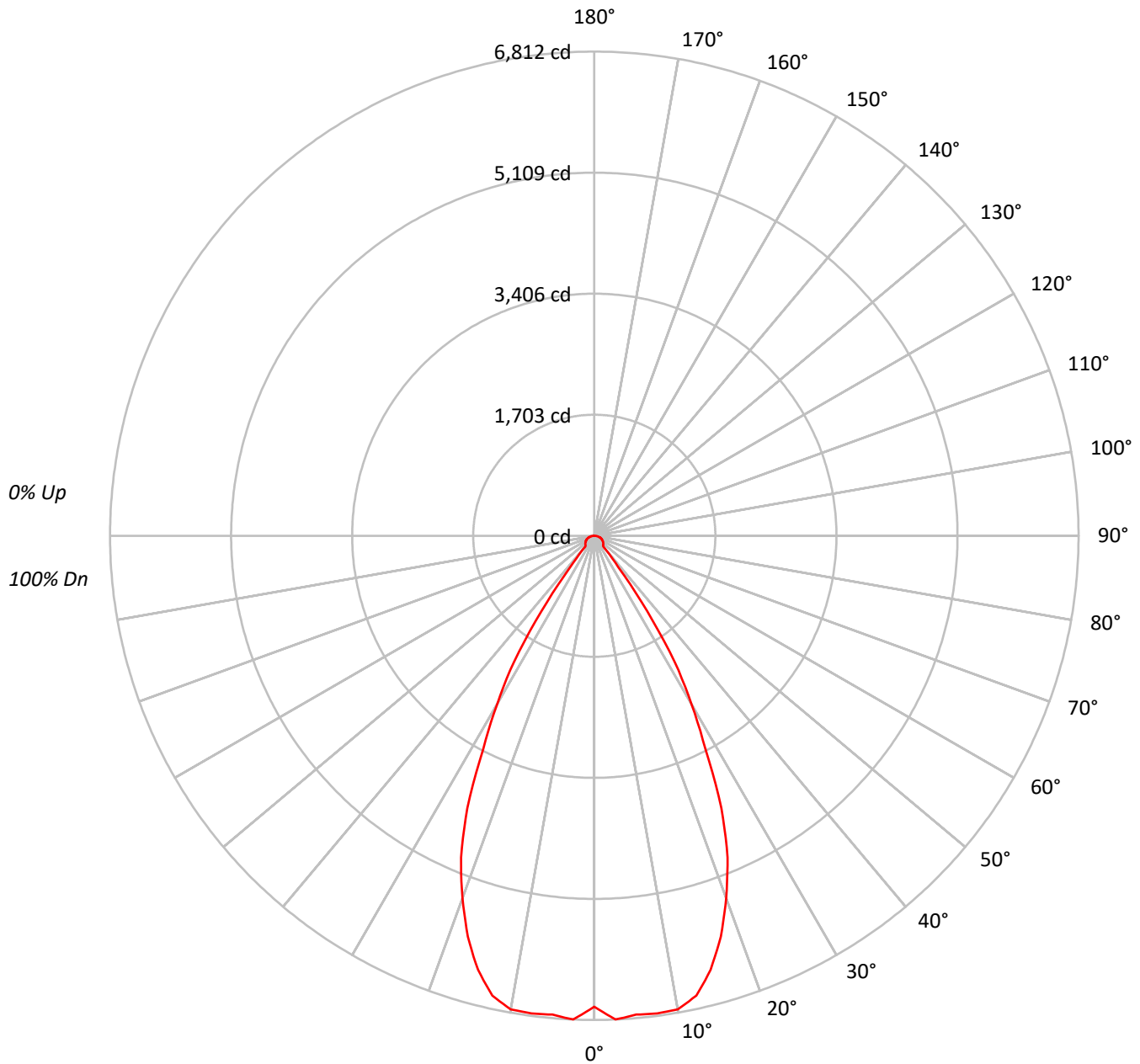


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	723940
5°	741742
10°	750707
15°	715147
20°	630536
25°	510000
30°	344969
35°	172864
40°	28041
45°	27442
50°	27996
55°	28421
60°	29216
65°	29861
70°	30572
75°	30944
80°	29824
85°	24822

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 30944 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	646.4	11.6
10°-20°	1748.8	31.3
20°-30°	1881.5	33.7
30°-40°	817.9	14.7
40°-50°	137.4	2.5
50°-60°	133.6	2.4
60°-70°	114.2	2.0
70°-80°	76.4	1.4
80°-90°	22.8	0.4
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°	4276.7	76.7
0°-40°	5094.6	91.3
0°-60°	5365.5	96.2
0°-90°	5579.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5579.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6626	
5°	6763	646
15°	6322	1749
25°	4230	1882
35°	1296	818
45°	178	137
55°	149	134
65°	116	114
75°	73	76
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6625.8
2.5°	6812.1
5°	6762.9
7.5°	6778.5
10°	6766.4
12.5°	6626.7
15°	6322.3
17.5°	5913.6
20°	5422.9
22.5°	4897.8
25°	4230.4
27.5°	3383.6
30°	2734.3
32.5°	2107.4
35°	1296.0
37.5°	554.5
40°	196.6
42.5°	181.1
45°	177.6
47.5°	171.6
50°	164.7
52.5°	156.9
55°	149.2
57.5°	141.4
60°	133.7
62.5°	125.0
65°	115.5
67.5°	106.1
70°	95.7
72.5°	84.5
75°	73.3
77.5°	60.4
80°	47.4
82.5°	33.6
85°	19.8
87.5°	6.9
90°	0.0



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— 0°-180°







(END OF REPORT)