

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: P751222

Luminaire Tested: LD4D60D010-EU4DR6555659030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751222
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: LD4D60D010-EU4DR6555659030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5535.7 lumens
Efficiency: N/A
Efficacy: 86.0 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): 64.4
Input Voltage (V): NR
Input Current (A_{in}): 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

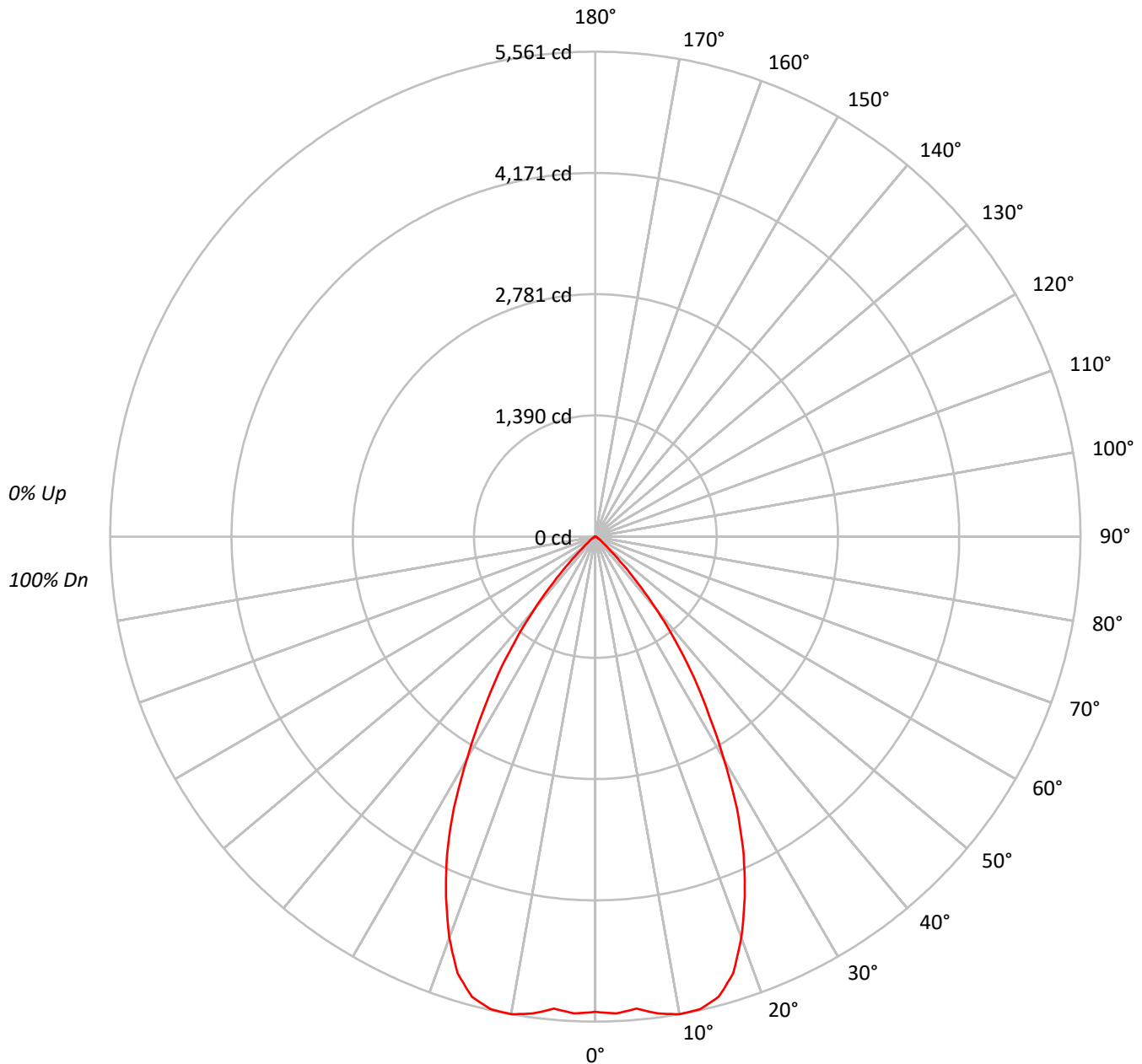


Downlight

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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°	595504
5°	596002
10°	616983
15°	618004
20°	568970
25°	484791
30°	371122
35°	262190
40°	154768
45°	62827
50°	22777
55°	12687
60°	7277
65°	4007
70°	4217
75°	3251
80°	3398
85°	2883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62827 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.8	9.5
10°-20°	1513.9	27.3
20°-30°	1816.4	32.8
30°-40°	1220.6	22.1
40°-50°	365.4	6.6
50°-60°	64.5	1.2
60°-70°	18.3	0.3
70°-80°	9.0	0.2
80°-90°	2.8	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°	3855.0	69.6
0°-40°	5075.7	91.7
0°-60°	5505.5	99.5
0°-90°	5535.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5535.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5450	
5°	5434	525
15°	5464	1514
25°	4021	1816
35°	1966	1221
45°	407	365
55°	67	64
65°	16	18
75°	8	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5450.3
2.5°	5473.6
5°	5434.1
7.5°	5516.2
10°	5561.1
12.5°	5550.2
15°	5463.5
17.5°	5251.3
20°	4893.4
22.5°	4472.1
25°	4021.3
27.5°	3512.5
30°	2941.6
32.5°	2424.3
35°	1965.7
37.5°	1512.6
40°	1085.1
42.5°	708.7
45°	406.6
47.5°	215.3
50°	134.0
52.5°	92.9
55°	66.6
57.5°	48.0
60°	33.3
62.5°	21.7
65°	15.5
67.5°	13.9
70°	13.2
72.5°	10.1
75°	7.7
77.5°	7.0
80°	5.4
82.5°	3.9
85°	2.3
87.5°	1.5
90°	0.0



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— 0°-180°







(END OF REPORT)