

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: P751211

Luminaire Tested: LD4D60D010-EU4DR6555659027-4LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751211
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: LD4D60D010-EU4DR6555659027-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5001.4 lumens
Efficiency: N/A
Efficacy: 77.7 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): 64.4
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

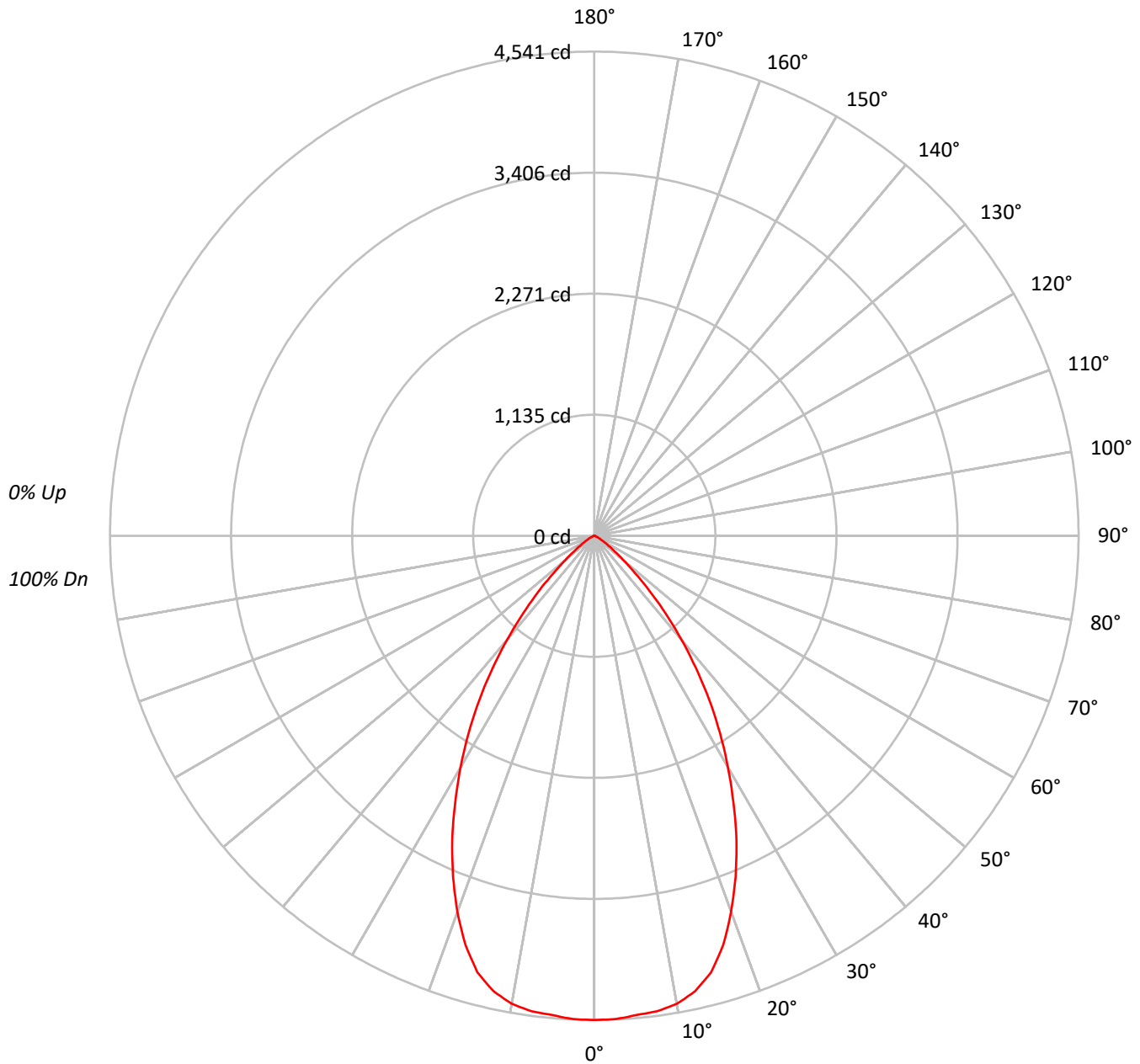


Downlight

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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°	265224
5°	264554
10°	264328
15°	256180
20°	233220
25°	203236
30°	169036
35°	133933
40°	96666
45°	61071
50°	31828
55°	16923
60°	8889
65°	4892
70°	2049
75°	2257
80°	1581
85°	1340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61071 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.5	8.6
10°-20°	1176.0	23.5
20°-30°	1437.5	28.7
30°-40°	1166.3	23.3
40°-50°	581.2	11.6
50°-60°	162.1	3.2
60°-70°	36.8	0.7
70°-80°	9.6	0.2
80°-90°	2.4	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°	3042.9	60.8
0°-40°	4209.3	84.2
0°-60°	4952.6	99.0
0°-90°	5001.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5001.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4541	
5°	4512	429
15°	4237	1176
25°	3154	1437
35°	1878	1166
45°	739	581
55°	166	162
65°	35	37
75°	10	10
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4541.2
2.5°	4537.9
5°	4512.5
7.5°	4497.8
10°	4457.1
12.5°	4374.4
15°	4236.9
17.5°	4022.0
20°	3752.4
22.5°	3461.4
25°	3153.8
27.5°	2824.8
30°	2506.5
32.5°	2192.2
35°	1878.5
37.5°	1565.6
40°	1267.9
42.5°	989.0
45°	739.4
47.5°	515.2
50°	350.3
52.5°	241.6
55°	166.2
57.5°	112.1
60°	76.1
62.5°	52.7
65°	35.4
67.5°	18.0
70°	12.0
72.5°	11.3
75°	10.0
77.5°	6.7
80°	4.7
82.5°	3.3
85°	2.0
87.5°	1.3
90°	0.0



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— 0°-180°







(END OF REPORT)