

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: P751224

Luminaire Tested: LD4D60D010-EU4DR6555659030-4LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751224
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-EU4DR6555659030-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5152.6 lumens
Efficiency: N/A
Efficacy: 80.0 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 (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

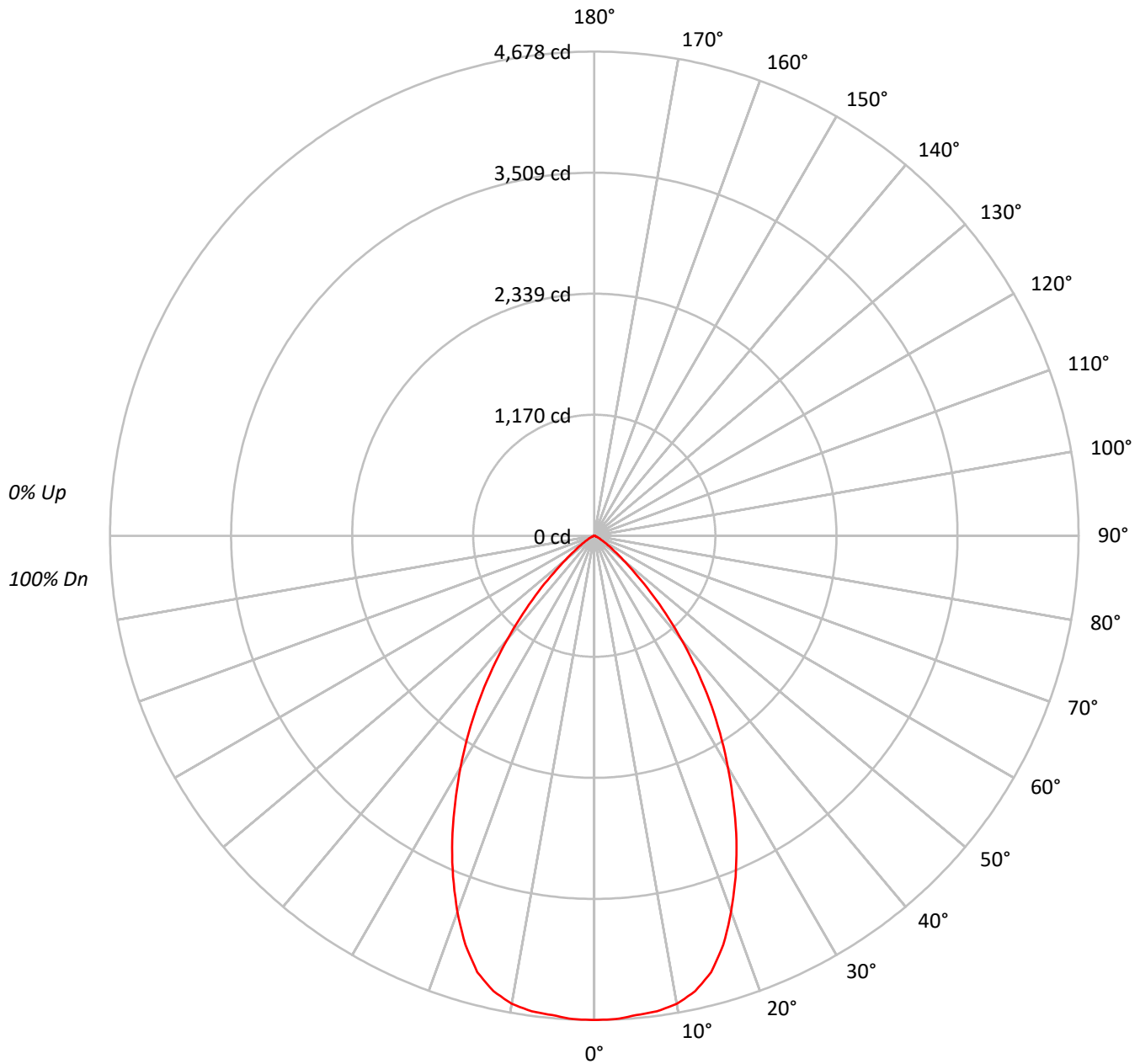


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	83		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	77	74		80	76	73
5	90	81	74	70		88	80	74	69		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	64	59		79	69	63	59		68	63	59		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	273237
5°	272551
10°	272316
15°	263920
20°	240268
25°	209377
30°	174141
35°	137983
40°	99586
45°	62913
50°	32791
55°	17432
60°	9158
65°	5030
70°	2117
75°	2324
80°	1614
85°	1407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62913 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.4	8.6
10°-20°	1211.5	23.5
20°-30°	1480.9	28.7
30°-40°	1201.6	23.3
40°-50°	598.7	11.6
50°-60°	167.0	3.2
60°-70°	38.0	0.7
70°-80°	9.9	0.2
80°-90°	2.5	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°	3134.9	60.8
0°-40°	4336.4	84.2
0°-60°	5102.2	99.0
0°-90°	5152.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5152.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4678	
5°	4649	442
15°	4365	1212
25°	3249	1481
35°	1935	1202
45°	762	599
55°	171	167
65°	36	38
75°	10	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4678.4
2.5°	4675.0
5°	4648.9
7.5°	4633.7
10°	4591.8
12.5°	4506.5
15°	4364.9
17.5°	4143.5
20°	3865.8
22.5°	3566.0
25°	3249.1
27.5°	2910.2
30°	2582.2
32.5°	2258.4
35°	1935.3
37.5°	1612.9
40°	1306.2
42.5°	1018.9
45°	761.7
47.5°	530.7
50°	360.9
52.5°	248.9
55°	171.2
57.5°	115.5
60°	78.4
62.5°	54.3
65°	36.4
67.5°	18.6
70°	12.4
72.5°	11.7
75°	10.3
77.5°	6.9
80°	4.8
82.5°	3.4
85°	2.1
87.5°	1.4
90°	0.0



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— 0°-180°







(END OF REPORT)