

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: P751213

Luminaire Tested: LD4D60D010-EU4DR6555659027-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751213
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-EU4DR6555659027-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5656.1 lumens
Efficiency: N/A
Efficacy: 87.8 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

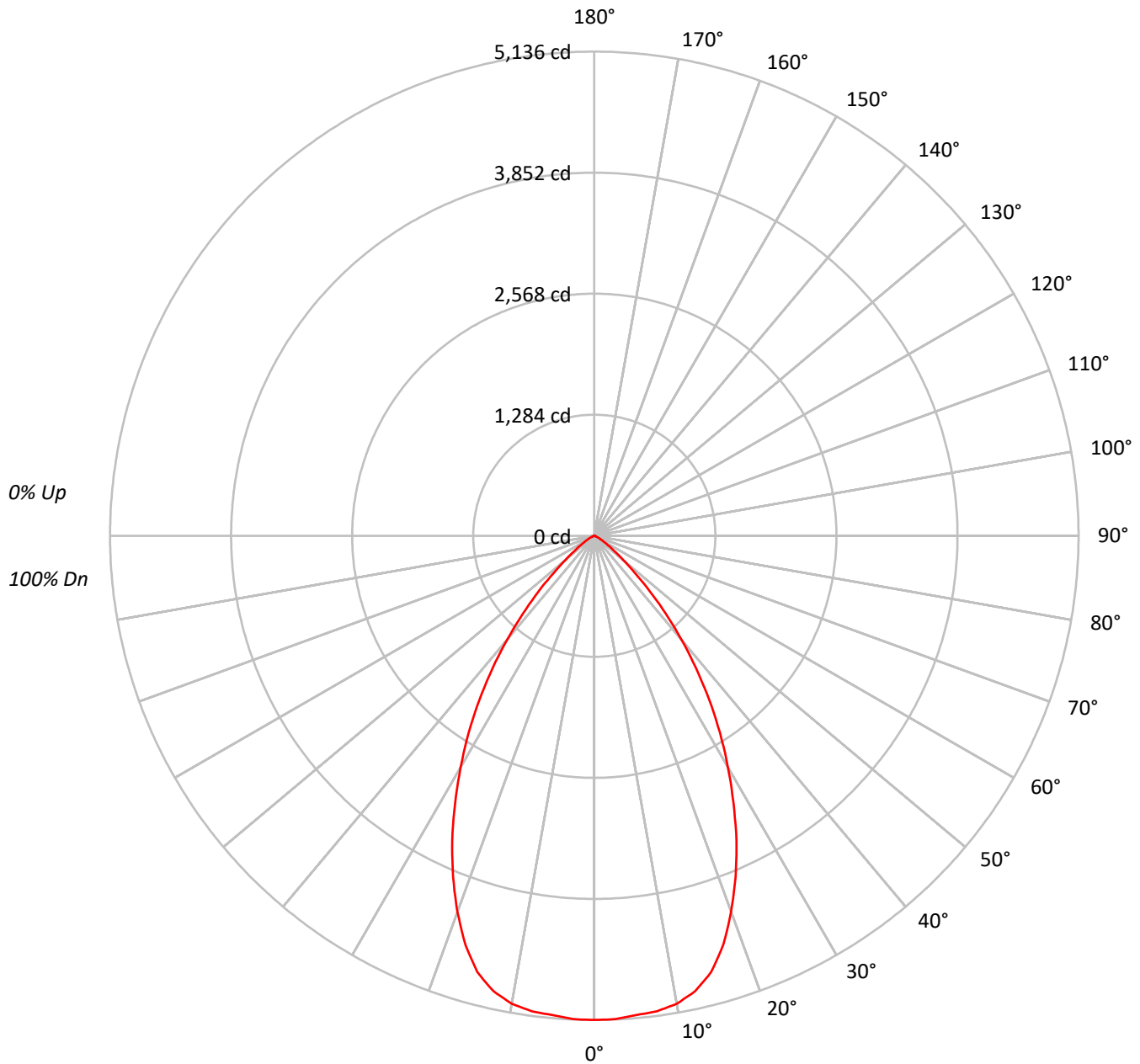


Downlight

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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	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°	299939
5°	299185
10°	298926
15°	289714
20°	263749
25°	229837
30°	191163
35°	151465
40°	109322
45°	69066
50°	35999
55°	19133
60°	10045
65°	5528
70°	2322
75°	2550
80°	1783
85°	1541

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 69066 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.7	8.6
10°-20°	1329.9	23.5
20°-30°	1625.6	28.7
30°-40°	1319.0	23.3
40°-50°	657.3	11.6
50°-60°	183.3	3.2
60°-70°	41.7	0.7
70°-80°	10.8	0.2
80°-90°	2.8	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°	3441.3	60.8
0°-40°	4760.3	84.2
0°-60°	5600.9	99.0
0°-90°	5656.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5656.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5136	
5°	5103	486
15°	4792	1330
25°	3567	1626
35°	2124	1319
45°	836	657
55°	188	183
65°	40	42
75°	11	11
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5135.6
2.5°	5131.9
5°	5103.2
7.5°	5086.6
10°	5040.5
12.5°	4947.0
15°	4791.5
17.5°	4548.5
20°	4243.6
22.5°	3914.6
25°	3566.6
27.5°	3194.6
30°	2834.6
32.5°	2479.1
35°	2124.4
37.5°	1770.5
40°	1433.9
42.5°	1118.4
45°	836.2
47.5°	582.6
50°	396.2
52.5°	273.2
55°	187.9
57.5°	126.8
60°	86.0
62.5°	59.6
65°	40.0
67.5°	20.4
70°	13.6
72.5°	12.8
75°	11.3
77.5°	7.5
80°	5.3
82.5°	3.8
85°	2.3
87.5°	1.5
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)