

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: P751243

Luminaire Tested: LD4D60D010-EU4DR6555659040-4LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751243
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-EU4DR6555659040-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

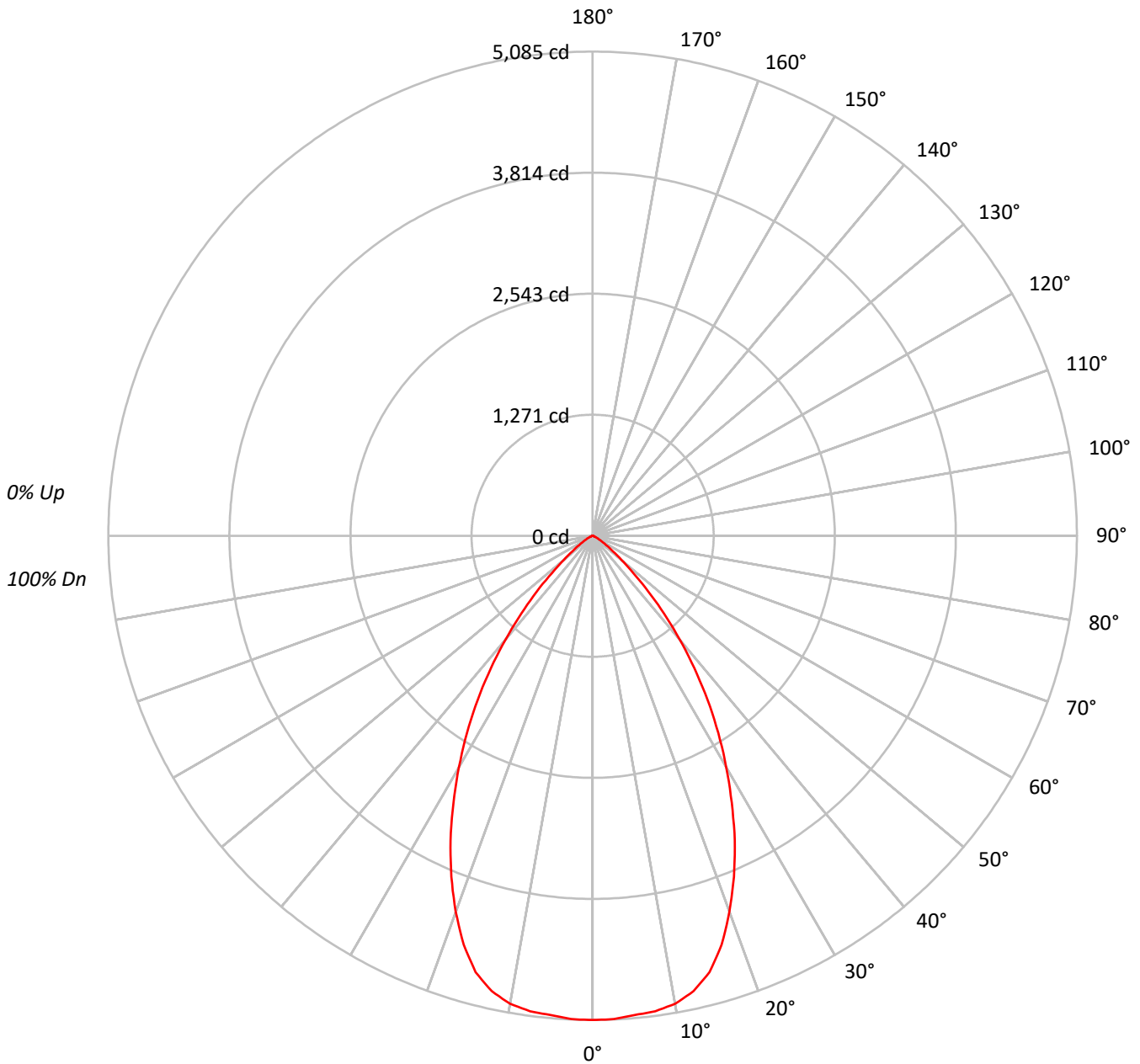
Lumens per Lamp: N/A
Luminaire Lumens: 5600.4 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (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



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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		0	
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97	95	94	93
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91	89	87	85
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62	57	54	52
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55	50	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	296984
5°	296236
10°	295979
15°	286860
20°	261151
25°	227575
30°	189281
35°	149975
40°	108247
45°	68381
50°	35644
55°	18949
60°	9952
65°	5473
70°	2305
75°	2527
80°	1749
85°	1474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 68381 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.9	8.6
10°-20°	1316.8	23.5
20°-30°	1609.6	28.7
30°-40°	1306.0	23.3
40°-50°	650.8	11.6
50°-60°	181.5	3.2
60°-70°	41.3	0.7
70°-80°	10.7	0.2
80°-90°	2.7	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°	3407.3	60.8
0°-40°	4713.3	84.2
0°-60°	5545.7	99.0
0°-90°	5600.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5600.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5085	
5°	5053	481
15°	4744	1317
25°	3532	1610
35°	2104	1306
45°	828	651
55°	186	182
65°	40	41
75°	11	11
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5085.0
2.5°	5081.3
5°	5052.9
7.5°	5036.4
10°	4990.8
12.5°	4898.2
15°	4744.3
17.5°	4503.6
20°	4201.8
22.5°	3876.0
25°	3531.5
27.5°	3163.1
30°	2806.7
32.5°	2454.7
35°	2103.5
37.5°	1753.0
40°	1419.8
42.5°	1107.4
45°	827.9
47.5°	576.9
50°	392.3
52.5°	270.5
55°	186.1
57.5°	125.5
60°	85.2
62.5°	59.0
65°	39.6
67.5°	20.2
70°	13.5
72.5°	12.7
75°	11.2
77.5°	7.5
80°	5.2
82.5°	3.7
85°	2.2
87.5°	1.5
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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