

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: P752112

Luminaire Tested: LD4D65D010-EU4DR7055659040-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR7055659040-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4388.8 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

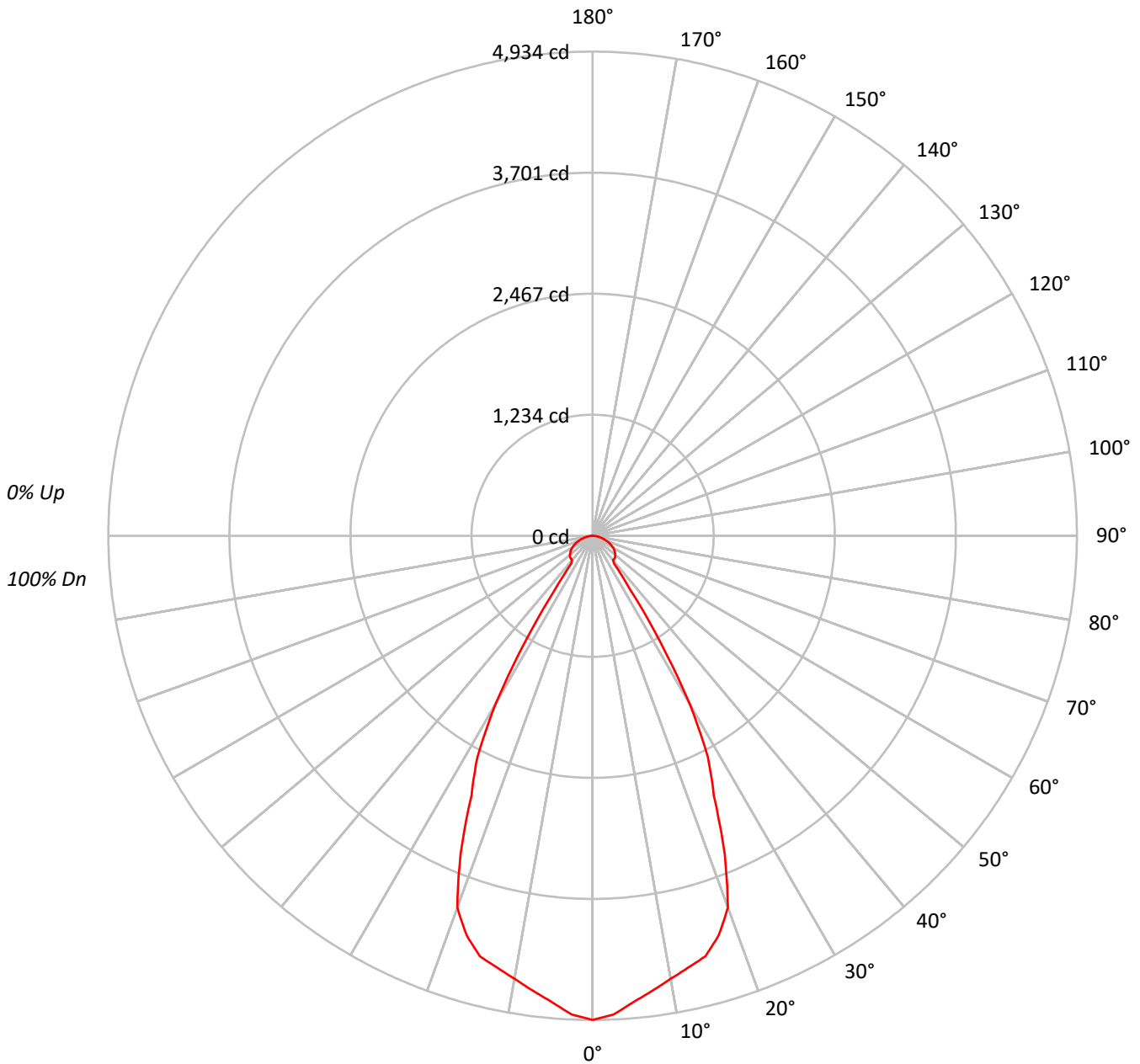
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	539125
5°	523099
10°	508522
15°	501846
20°	468626
25°	352059
30°	248870
35°	88153
40°	46355
45°	49369
50°	51130
55°	52080
60°	52401
65°	51293
70°	48430
75°	44832
80°	39829
85°	32344

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 52424 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.9	10.3
10°-20°	1234.0	28.1
20°-30°	1359.0	31.0
30°-40°	519.2	11.8
40°-50°	245.2	5.6
50°-60°	243.7	5.6
60°-70°	195.1	4.4
70°-80°	112.2	2.6
80°-90°	30.5	0.7
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°	3042.8	69.3
0°-40°	3562.1	81.2
0°-60°	4051.0	92.3
0°-90°	4388.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4388.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4934	
5°	4769	450
15°	4437	1234
25°	2920	1359
35°	661	519
45°	320	245
55°	273	244
65°	198	195
75°	106	112
85°	26	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4934.3
2.5°	4882.7
5°	4769.4
7.5°	4674.9
10°	4583.5
12.5°	4506.2
15°	4436.6
17.5°	4268.7
20°	4030.4
22.5°	3516.3
25°	2920.3
27.5°	2542.1
30°	1972.6
32.5°	1274.2
35°	660.9
37.5°	357.0
40°	325.0
42.5°	322.7
45°	319.5
47.5°	312.5
50°	300.8
52.5°	287.5
55°	273.4
57.5°	257.8
60°	239.8
62.5°	219.5
65°	198.4
67.5°	175.0
70°	151.6
72.5°	128.1
75°	106.2
77.5°	83.6
80°	63.3
82.5°	44.5
85°	25.8
87.5°	10.2
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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