

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: P751332

Luminaire Tested: LD4D60D010-EU4DR7055659040-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751332
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: LD4D60D010-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: 3968.2 lumens
Efficiency: N/A
Efficacy: 61.6 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

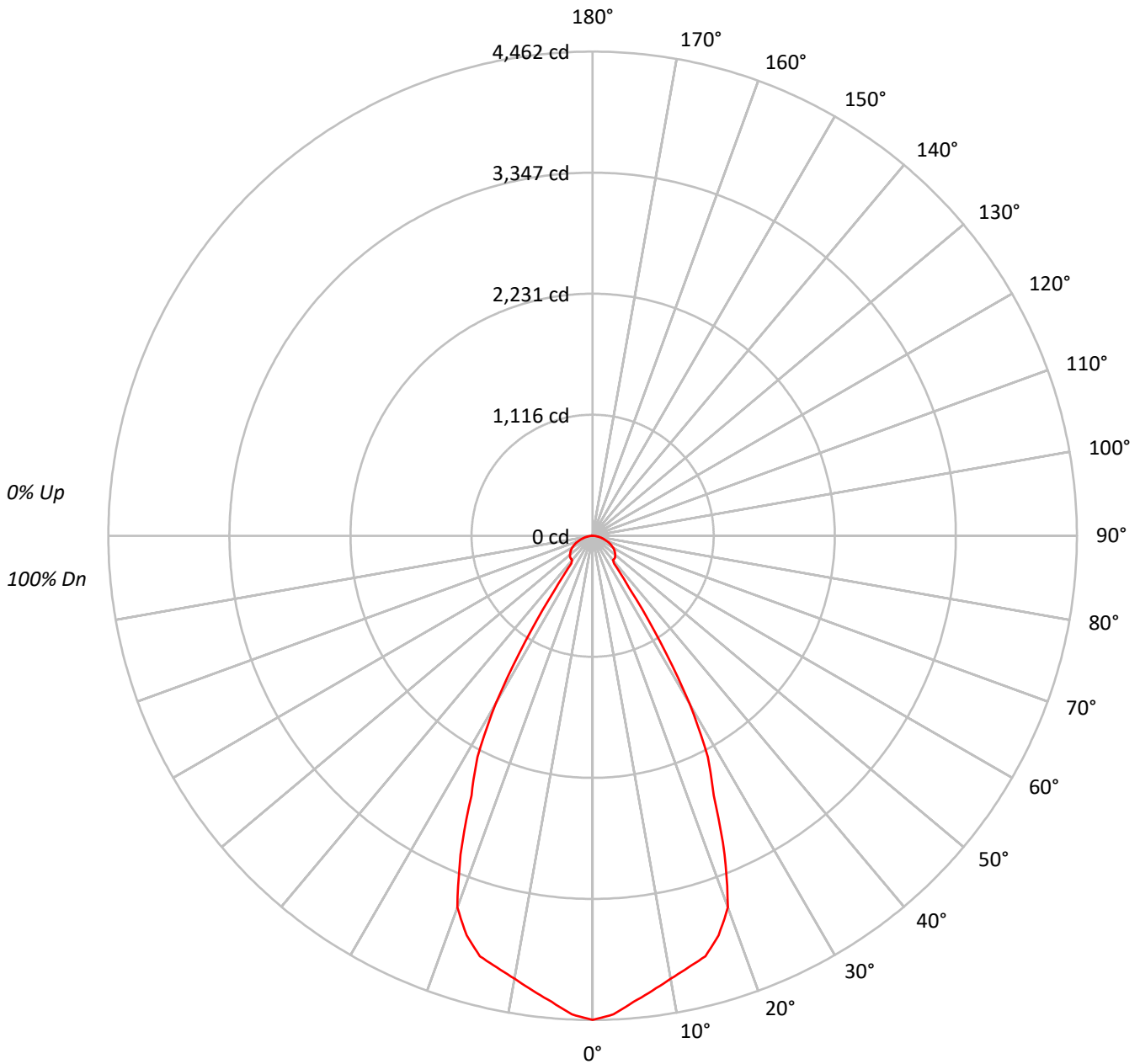
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	487467
5°	472976
10°	459795
15°	453761
20°	423722
25°	318316
30°	225025
35°	79710
40°	41919
45°	44640
50°	46234
55°	47089
60°	47397
65°	46381
70°	43766
75°	40569
80°	35991
85°	29209

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 47401 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.7	10.3
10°-20°	1115.7	28.1
20°-30°	1228.8	31.0
30°-40°	469.5	11.8
40°-50°	221.7	5.6
50°-60°	220.4	5.6
60°-70°	176.4	4.4
70°-80°	101.4	2.6
80°-90°	27.6	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°	2751.2	69.3
0°-40°	3220.7	81.2
0°-60°	3662.8	92.3
0°-90°	3968.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3968.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4462	
5°	4312	407
15°	4012	1116
25°	2640	1229
35°	598	469
45°	289	222
55°	247	220
65°	179	176
75°	96	101
85°	23	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4461.5
2.5°	4414.8
5°	4312.4
7.5°	4226.9
10°	4144.3
12.5°	4074.4
15°	4011.5
17.5°	3859.6
20°	3644.2
22.5°	3179.4
25°	2640.4
27.5°	2298.5
30°	1783.6
32.5°	1152.1
35°	597.6
37.5°	322.8
40°	293.9
42.5°	291.7
45°	288.9
47.5°	282.5
50°	272.0
52.5°	259.9
55°	247.2
57.5°	233.1
60°	216.9
62.5°	198.5
65°	179.4
67.5°	158.2
70°	137.0
72.5°	115.8
75°	96.1
77.5°	75.6
80°	57.2
82.5°	40.3
85°	23.3
87.5°	9.2
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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