

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: P767811

Luminaire Tested: LD6D50D010-EU6DR7040509030-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767811
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: LD6D50D010-EU6DR7040509030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4782.3 lumens
Efficiency: N/A
Efficacy: 101.8 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

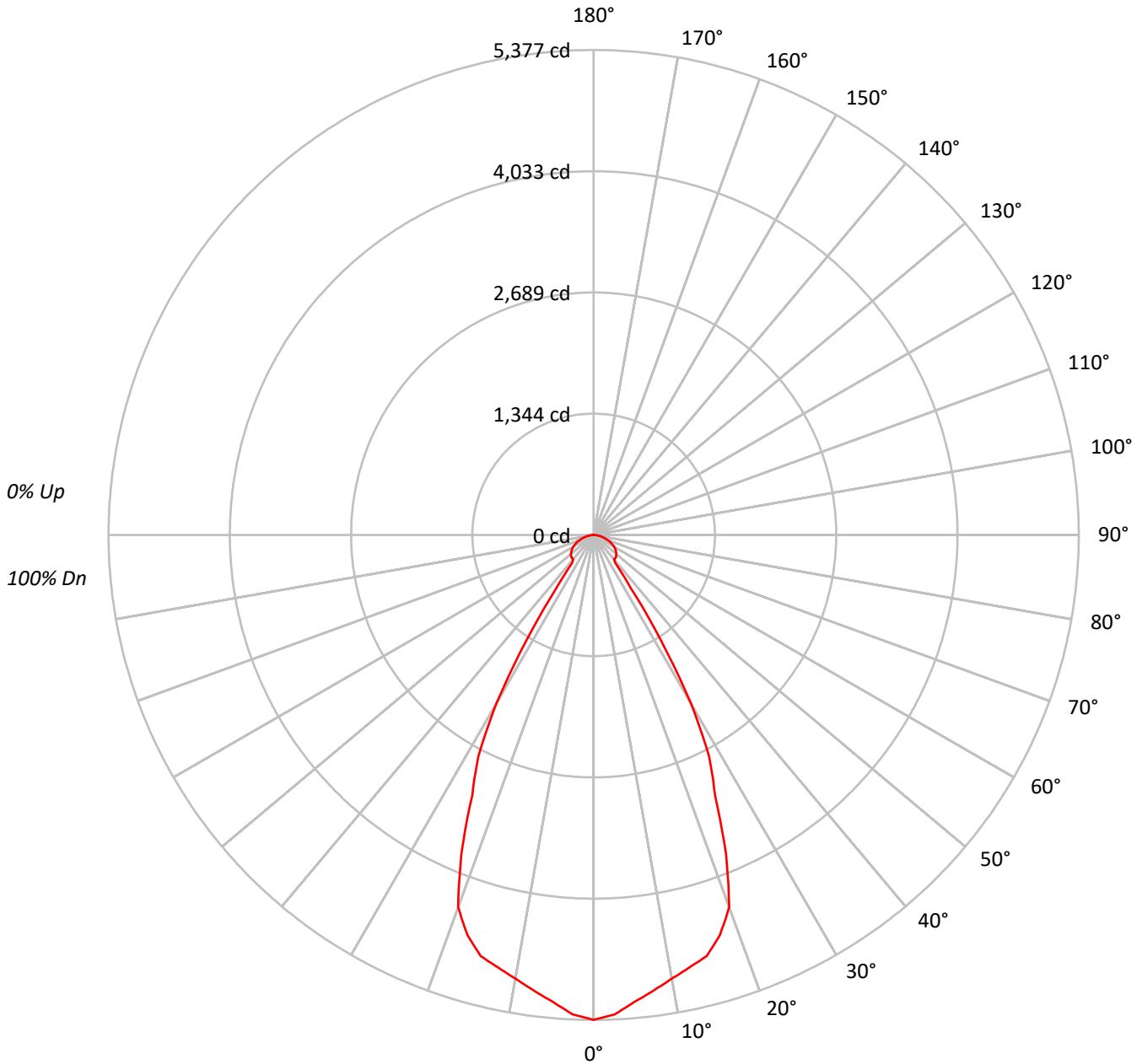
Input Watts (W): 47
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	587462
5°	570008
10°	554121
15°	546855
20°	510647
25°	383621
30°	271188
35°	96062
40°	50505
45°	53803
50°	55702
55°	56766
60°	57100
65°	55895
70°	52742
75°	48885
80°	43415
85°	35227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 57121 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.2	10.3
10°-20°	1344.6	28.1
20°-30°	1480.9	31.0
30°-40°	565.8	11.8
40°-50°	267.2	5.6
50°-60°	265.6	5.6
60°-70°	212.6	4.4
70°-80°	122.2	2.6
80°-90°	33.2	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°	3315.7	69.3
0°-40°	3881.5	81.2
0°-60°	4414.2	92.3
0°-90°	4782.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4782.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5377	
5°	5197	490
15°	4834	1345
25°	3182	1481
35°	720	566
45°	348	267
55°	298	266
65°	216	213
75°	116	122
85°	28	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5376.7
2.5°	5320.5
5°	5197.1
7.5°	5094.1
10°	4994.5
12.5°	4910.2
15°	4834.5
17.5°	4651.4
20°	4391.8
22.5°	3831.6
25°	3182.1
27.5°	2770.1
30°	2149.5
32.5°	1388.5
35°	720.2
37.5°	389.0
40°	354.1
42.5°	351.6
45°	348.2
47.5°	340.5
50°	327.7
52.5°	313.3
55°	298.0
57.5°	280.9
60°	261.3
62.5°	239.2
65°	216.2
67.5°	190.7
70°	165.1
72.5°	139.6
75°	115.8
77.5°	91.1
80°	69.0
82.5°	48.5
85°	28.1
87.5°	11.1
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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