

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: P767667

Luminaire Tested: LD6D50D010-EU6DR6040509035-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D50D010-EU6DR6040509035-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4657.1 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

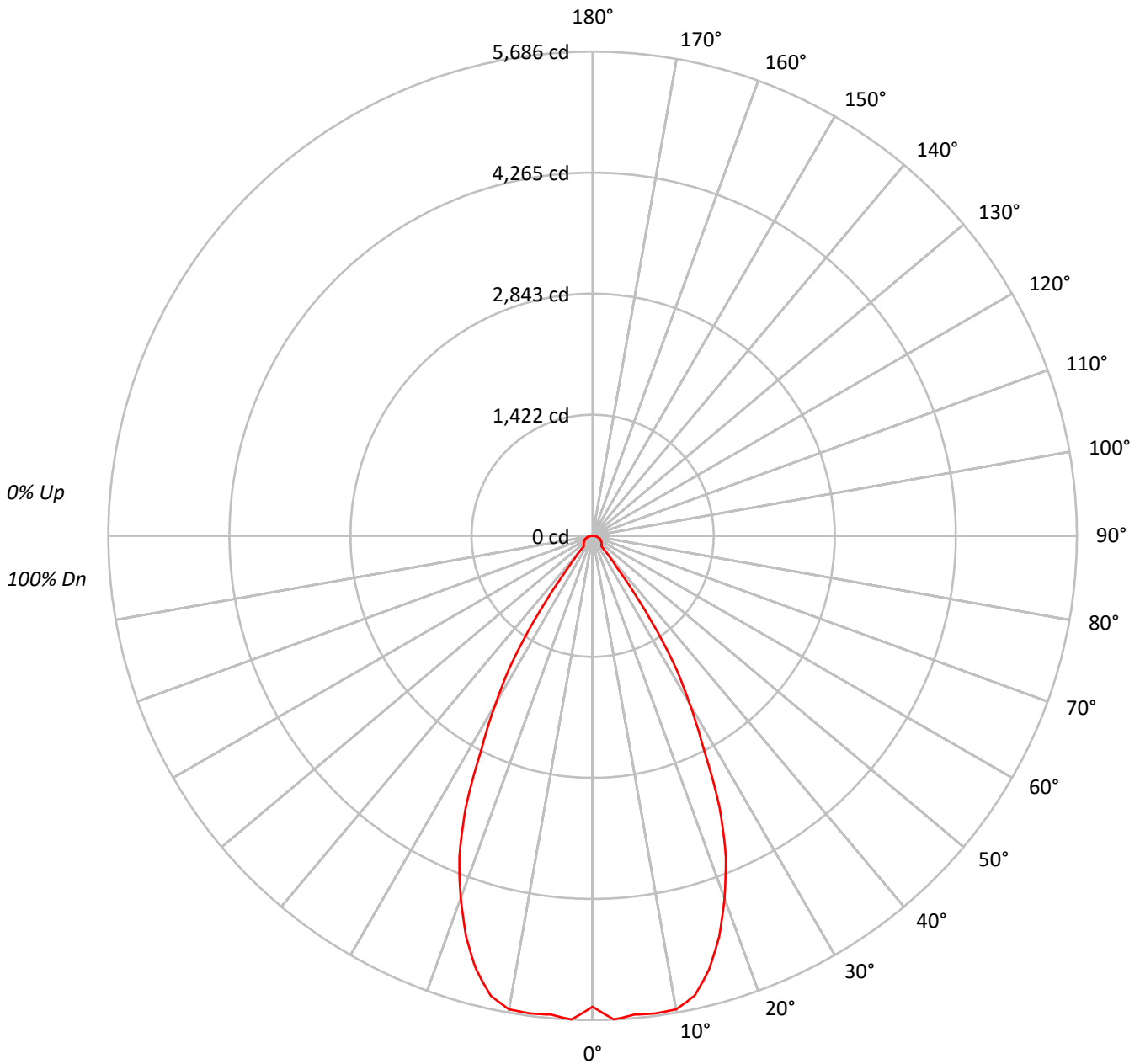
Input Watts (W): 47
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	604310
5°	619166
10°	626647
15°	596965
20°	526344
25°	425719
30°	287968
35°	144293
40°	23406
45°	22915
50°	23372
55°	23716
60°	24387
65°	24948
70°	25525
75°	25836
80°	24917
85°	20810

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 25836 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.6	11.6
10°-20°	1459.8	31.3
20°-30°	1570.6	33.7
30°-40°	682.7	14.7
40°-50°	114.7	2.5
50°-60°	111.5	2.4
60°-70°	95.4	2.0
70°-80°	63.8	1.4
80°-90°	19.1	0.4
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°	3570.0	76.7
0°-40°	4252.7	91.3
0°-60°	4478.8	96.2
0°-90°	4657.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4657.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5531	
5°	5645	540
15°	5278	1460
25°	3531	1571
35°	1082	683
45°	148	115
55°	124	111
65°	96	95
75°	61	64
85°	17	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5530.9
2.5°	5686.4
5°	5645.3
7.5°	5658.3
10°	5648.2
12.5°	5531.6
15°	5277.5
17.5°	4936.3
20°	4526.8
22.5°	4088.4
25°	3531.3
27.5°	2824.5
30°	2282.5
32.5°	1759.2
35°	1081.8
37.5°	462.8
40°	164.1
42.5°	151.2
45°	148.3
47.5°	143.2
50°	137.5
52.5°	131.0
55°	124.5
57.5°	118.0
60°	111.6
62.5°	104.4
65°	96.5
67.5°	88.5
70°	79.9
72.5°	70.5
75°	61.2
77.5°	50.4
80°	39.6
82.5°	28.1
85°	16.6
87.5°	5.8
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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(END OF REPORT)