

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: P767641

Luminaire Tested: LD6D50D010-EU6DR6040509027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767641
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-EU6DR6040509027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4473.4 lumens
Efficiency: N/A
Efficacy: 95.2 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

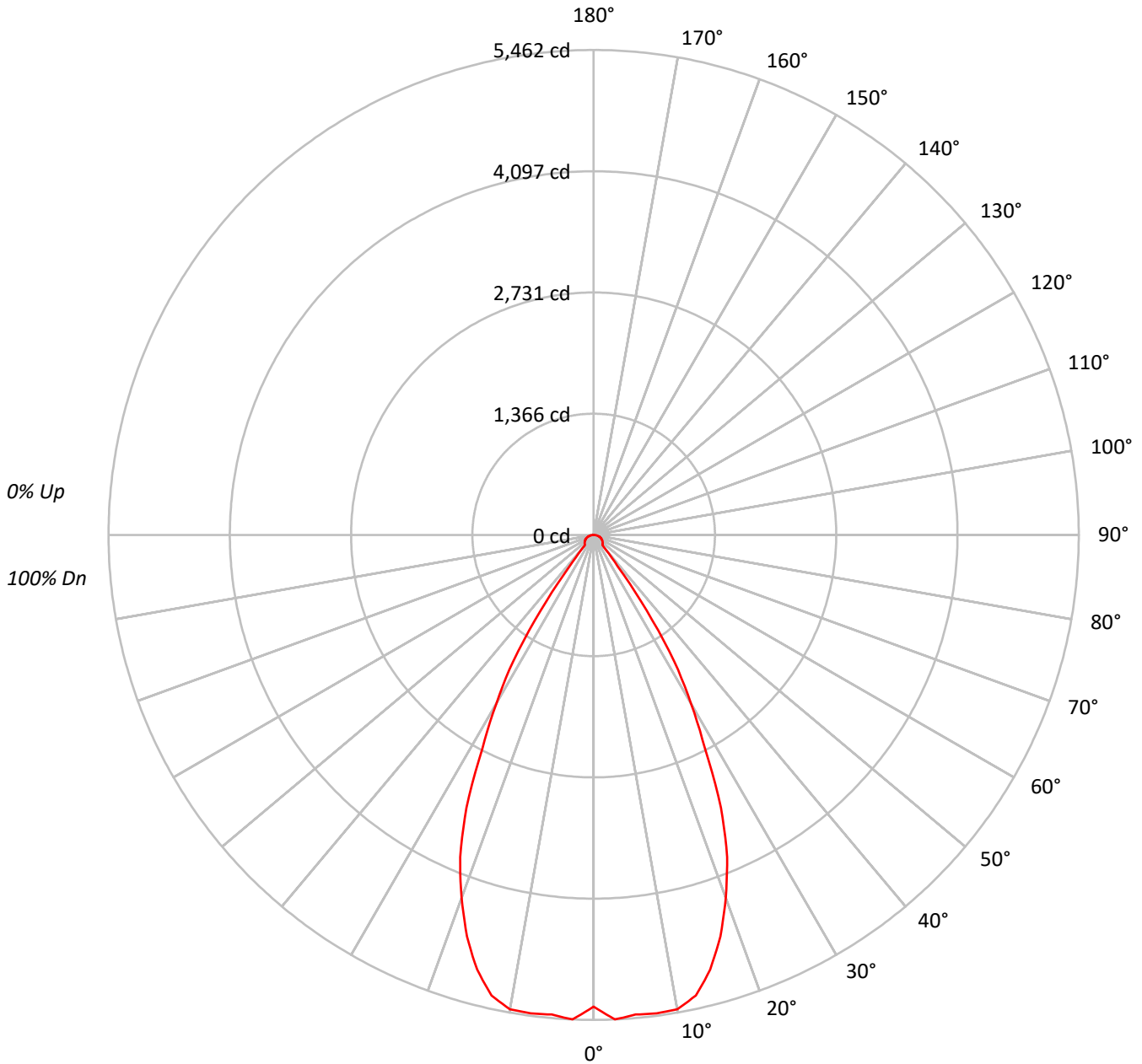
Input Watts (W): 47
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	580470
5°	594741
10°	601928
15°	573414
20°	505578
25°	408926
30°	276601
35°	138611
40°	22478
45°	22003
50°	22454
55°	22783
60°	23426
65°	23940
70°	24502
75°	24822
80°	23910
85°	19933

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 24822 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.3	11.6
10°-20°	1402.2	31.3
20°-30°	1508.6	33.7
30°-40°	655.8	14.7
40°-50°	110.1	2.5
50°-60°	107.1	2.4
60°-70°	91.6	2.0
70°-80°	61.3	1.4
80°-90°	18.3	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°	3429.1	76.7
0°-40°	4084.9	91.3
0°-60°	4302.1	96.2
0°-90°	4473.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4473.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5313	
5°	5423	518
15°	5069	1402
25°	3392	1509
35°	1039	656
45°	142	110
55°	120	107
65°	93	92
75°	59	61
85°	16	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5312.7
2.5°	5462.0
5°	5422.6
7.5°	5435.1
10°	5425.4
12.5°	5313.4
15°	5069.3
17.5°	4741.6
20°	4348.2
22.5°	3927.1
25°	3392.0
27.5°	2713.0
30°	2192.4
32.5°	1689.8
35°	1039.2
37.5°	444.6
40°	157.6
42.5°	145.2
45°	142.4
47.5°	137.6
50°	132.1
52.5°	125.8
55°	119.6
57.5°	113.4
60°	107.2
62.5°	100.3
65°	92.6
67.5°	85.0
70°	76.7
72.5°	67.8
75°	58.8
77.5°	48.4
80°	38.0
82.5°	27.0
85°	15.9
87.5°	5.5
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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