

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: P767836

Luminaire Tested: LD6D50D010-EU6DR7040509040-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767836
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-EU6DR7040509040-6LBSQW1B
Description: 6 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: 3798.2 lumens
Efficiency: N/A
Efficacy: 80.8 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

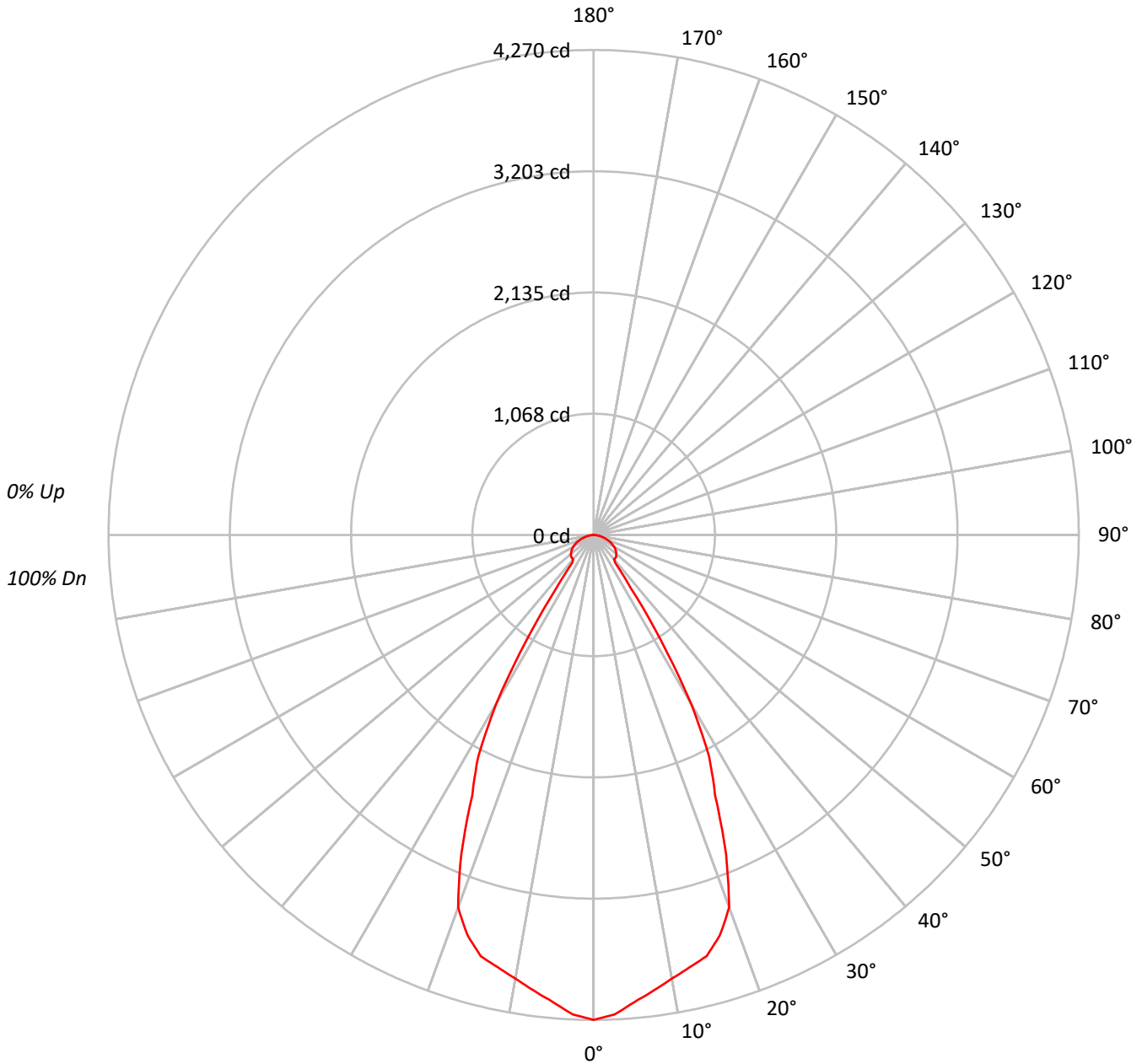
Input Watts (W): 47
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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																			
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°	466576
5°	452718
10°	440102
15°	434328
20°	405571
25°	304681
30°	215386
35°	76295
40°	40122
45°	42724
50°	44246
55°	45070
60°	45365
65°	44390
70°	41913
75°	38838
80°	34481
85°	27956

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 45368 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.3	10.3
10°-20°	1067.9	28.1
20°-30°	1176.2	31.0
30°-40°	449.4	11.8
40°-50°	212.2	5.6
50°-60°	210.9	5.6
60°-70°	168.9	4.4
70°-80°	97.1	2.6
80°-90°	26.4	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°	2633.4	69.3
0°-40°	3082.8	81.2
0°-60°	3505.9	92.3
0°-90°	3798.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3798.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4270	
5°	4128	389
15°	3840	1068
25°	2527	1176
35°	572	449
45°	276	212
55°	237	211
65°	172	169
75°	92	97
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4270.3
2.5°	4225.7
5°	4127.7
7.5°	4045.9
10°	3966.8
12.5°	3899.8
15°	3839.7
17.5°	3694.3
20°	3488.1
22.5°	3043.2
25°	2527.3
27.5°	2200.1
30°	1707.2
32.5°	1102.7
35°	572.0
37.5°	309.0
40°	281.3
42.5°	279.2
45°	276.5
47.5°	270.4
50°	260.3
52.5°	248.8
55°	236.6
57.5°	223.1
60°	207.6
62.5°	190.0
65°	171.7
67.5°	151.4
70°	131.2
72.5°	110.9
75°	92.0
77.5°	72.3
80°	54.8
82.5°	38.5
85°	22.3
87.5°	8.8
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)