

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P768473

Luminaire Tested: LD6D55D010-EU6DR6055659050-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768473
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: LD6D55D010-EU6DR6055659050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5550.9 lumens
Efficiency: N/A
Efficacy: 95.4 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

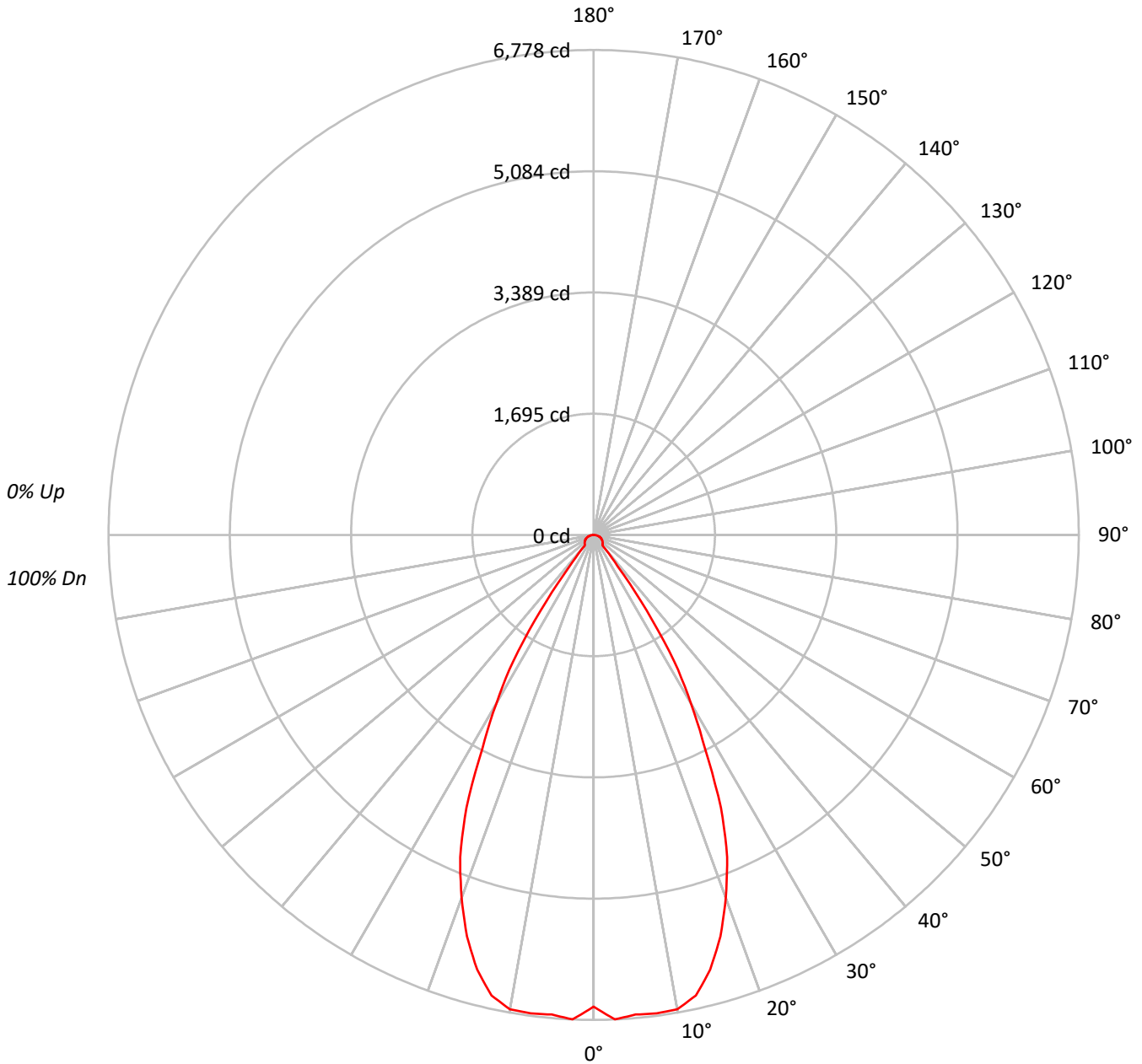
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	720280
5°	737991
10°	746913
15°	711528
20°	627350
25°	507420
30°	343228
35°	171997
40°	27898
45°	27303
50°	27860
55°	28269
60°	29063
65°	29731
70°	30412
75°	30775
80°	29699
85°	24696

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 30775 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	643.1	11.6
10°-20°	1739.9	31.3
20°-30°	1872.0	33.7
30°-40°	813.7	14.7
40°-50°	136.7	2.5
50°-60°	132.9	2.4
60°-70°	113.7	2.0
70°-80°	76.1	1.4
80°-90°	22.8	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°	4255.1	76.7
0°-40°	5068.8	91.3
0°-60°	5338.4	96.2
0°-90°	5550.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5550.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6592	
5°	6729	643
15°	6290	1740
25°	4209	1872
35°	1290	814
45°	177	137
55°	148	133
65°	115	114
75°	73	76
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6592.3
2.5°	6777.6
5°	6728.7
7.5°	6744.2
10°	6732.2
12.5°	6593.2
15°	6290.3
17.5°	5883.7
20°	5395.5
22.5°	4873.0
25°	4209.0
27.5°	3366.5
30°	2720.5
32.5°	2096.8
35°	1289.5
37.5°	551.6
40°	195.6
42.5°	180.2
45°	176.7
47.5°	170.7
50°	163.9
52.5°	156.1
55°	148.4
57.5°	140.7
60°	133.0
62.5°	124.4
65°	115.0
67.5°	105.5
70°	95.2
72.5°	84.1
75°	72.9
77.5°	60.1
80°	47.2
82.5°	33.5
85°	19.7
87.5°	6.9
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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