

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: P767694

Luminaire Tested: LD6D50D010-EU6DR6040509050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767694
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-EU6DR6040509050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

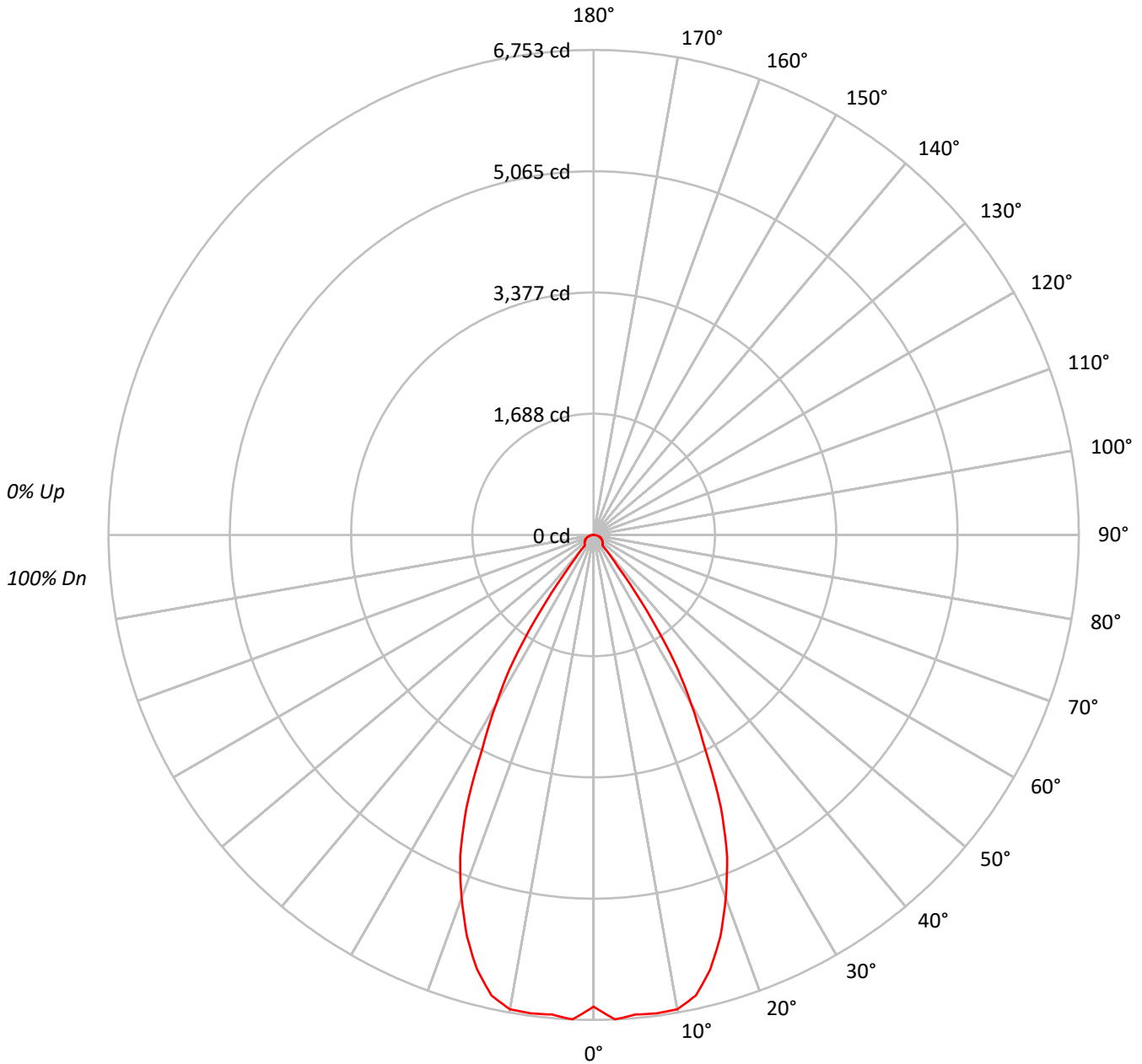
Lumens per Lamp: N/A
Luminaire Lumens: 5530.5 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): 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°	717646
5°	735293
10°	744183
15°	708926
20°	625060
25°	505563
30°	341966
35°	171370
40°	27799
45°	27211
50°	27758
55°	28174
60°	28954
65°	29602
70°	30316
75°	30690
80°	29573
85°	24696

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 30690 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.7	11.6
10°-20°	1733.6	31.3
20°-30°	1865.2	33.7
30°-40°	810.8	14.7
40°-50°	136.2	2.5
50°-60°	132.4	2.4
60°-70°	113.2	2.0
70°-80°	75.8	1.4
80°-90°	22.7	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°	4239.5	76.7
0°-40°	5050.3	91.3
0°-60°	5318.9	96.2
0°-90°	5530.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5530.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6568	
5°	6704	641
15°	6267	1734
25°	4194	1865
35°	1285	811
45°	176	136
55°	148	132
65°	114	113
75°	73	76
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6568.2
2.5°	6752.9
5°	6704.1
7.5°	6719.5
10°	6707.6
12.5°	6569.1
15°	6267.3
17.5°	5862.2
20°	5375.8
22.5°	4855.2
25°	4193.6
27.5°	3354.2
30°	2710.5
32.5°	2089.1
35°	1284.8
37.5°	549.6
40°	194.9
42.5°	179.5
45°	176.1
47.5°	170.1
50°	163.3
52.5°	155.6
55°	147.9
57.5°	140.2
60°	132.5
62.5°	123.9
65°	114.5
67.5°	105.1
70°	94.9
72.5°	83.8
75°	72.7
77.5°	59.8
80°	47.0
82.5°	33.3
85°	19.7
87.5°	6.8
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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(END OF REPORT)