

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: P767850

Luminaire Tested: LD6D50D010-EU6DR7040509050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767850
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-EU6DR7040509050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5094.8 lumens
Efficiency: N/A
Efficacy: 108.4 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

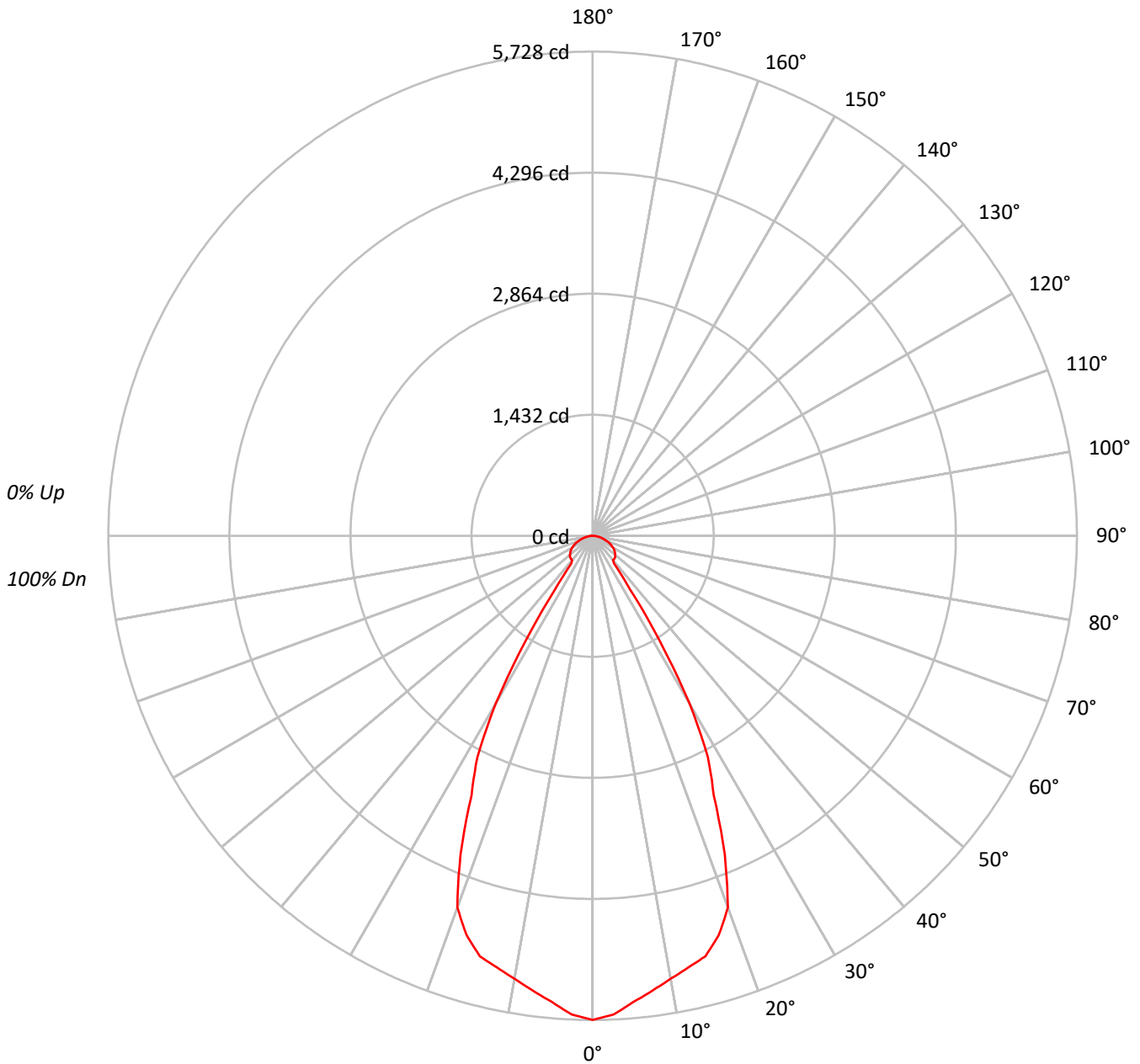
Input Watts (W): 47
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	625846
5°	607255
10°	590323
15°	582576
20°	544006
25°	408685
30°	288902
35°	102331
40°	53814
45°	57311
50°	59357
55°	60462
60°	60836
65°	59566
70°	56192
75°	52051
80°	46247
85°	37483

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 60863 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.2	10.3
10°-20°	1432.4	28.1
20°-30°	1577.6	31.0
30°-40°	602.8	11.8
40°-50°	284.6	5.6
50°-60°	282.9	5.6
60°-70°	226.5	4.4
70°-80°	130.2	2.6
80°-90°	35.4	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°	3532.3	69.3
0°-40°	4135.1	81.2
0°-60°	4702.7	92.3
0°-90°	5094.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5094.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5728	
5°	5537	522
15°	5150	1432
25°	3390	1578
35°	767	603
45°	371	285
55°	317	283
65°	230	227
75°	123	130
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5728.0
2.5°	5668.2
5°	5536.7
7.5°	5426.9
10°	5320.8
12.5°	5231.0
15°	5150.3
17.5°	4955.3
20°	4678.7
22.5°	4082.0
25°	3390.0
27.5°	2951.1
30°	2289.9
32.5°	1479.2
35°	767.2
37.5°	414.5
40°	377.3
42.5°	374.6
45°	370.9
47.5°	362.8
50°	349.2
52.5°	333.7
55°	317.4
57.5°	299.3
60°	278.4
62.5°	254.8
65°	230.4
67.5°	203.1
70°	175.9
72.5°	148.7
75°	123.3
77.5°	97.0
80°	73.5
82.5°	51.7
85°	29.9
87.5°	11.8
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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