

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: P767749

Luminaire Tested: LD6D50D010-EU6DR6540509040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D50D010-EU6DR6540509040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

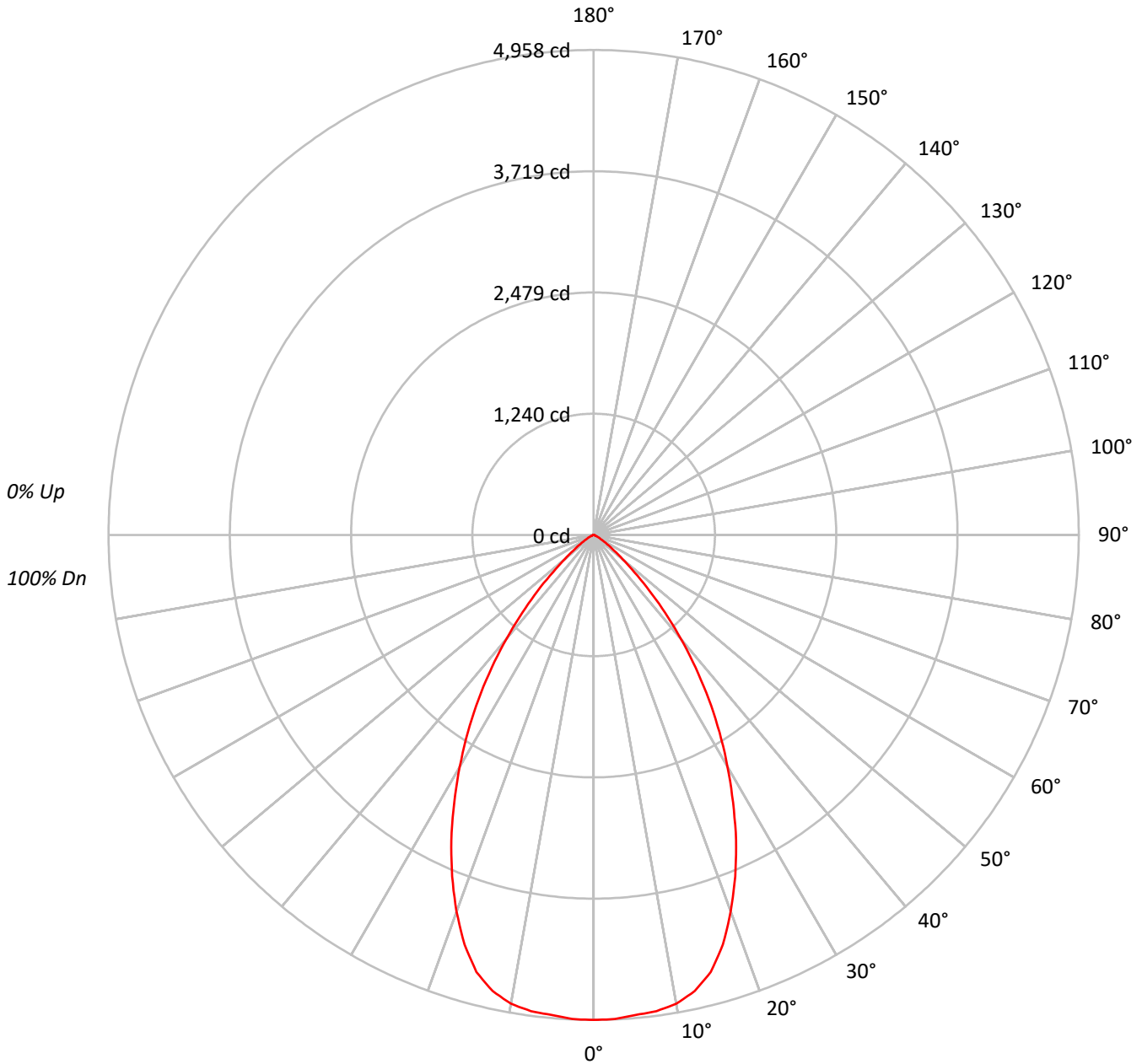
Lumens per Lamp: N/A
Luminaire Lumens: 5460.6 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

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	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	289566
5°	288837
10°	288589
15°	279695
20°	254625
25°	221892
30°	184554
35°	146232
40°	105540
45°	66679
50°	34754
55°	18471
60°	9707
65°	5334
70°	2237
75°	2460
80°	1715
85°	1474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 66679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.9	8.6
10°-20°	1284.0	23.5
20°-30°	1569.4	28.7
30°-40°	1273.4	23.3
40°-50°	634.6	11.6
50°-60°	177.0	3.2
60°-70°	40.2	0.7
70°-80°	10.5	0.2
80°-90°	2.7	0.0
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°	3322.3	60.8
0°-40°	4595.7	84.2
0°-60°	5407.2	99.0
0°-90°	5460.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5460.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4958	
5°	4927	469
15°	4626	1284
25°	3443	1569
35°	2051	1273
45°	807	635
55°	181	177
65°	39	40
75°	11	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4958.0
2.5°	4954.4
5°	4926.7
7.5°	4910.7
10°	4866.2
12.5°	4775.9
15°	4625.8
17.5°	4391.2
20°	4096.8
22.5°	3779.2
25°	3443.3
27.5°	3084.1
30°	2736.6
32.5°	2393.4
35°	2051.0
37.5°	1709.3
40°	1384.3
42.5°	1079.8
45°	807.3
47.5°	562.5
50°	382.5
52.5°	263.7
55°	181.4
57.5°	122.4
60°	83.1
62.5°	57.6
65°	38.6
67.5°	19.7
70°	13.1
72.5°	12.4
75°	10.9
77.5°	7.3
80°	5.1
82.5°	3.6
85°	2.2
87.5°	1.5
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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