

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: P769332

Luminaire Tested: LD6D60D010-EU6DR6555659050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D60D010-EU6DR6555659050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6012.9 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

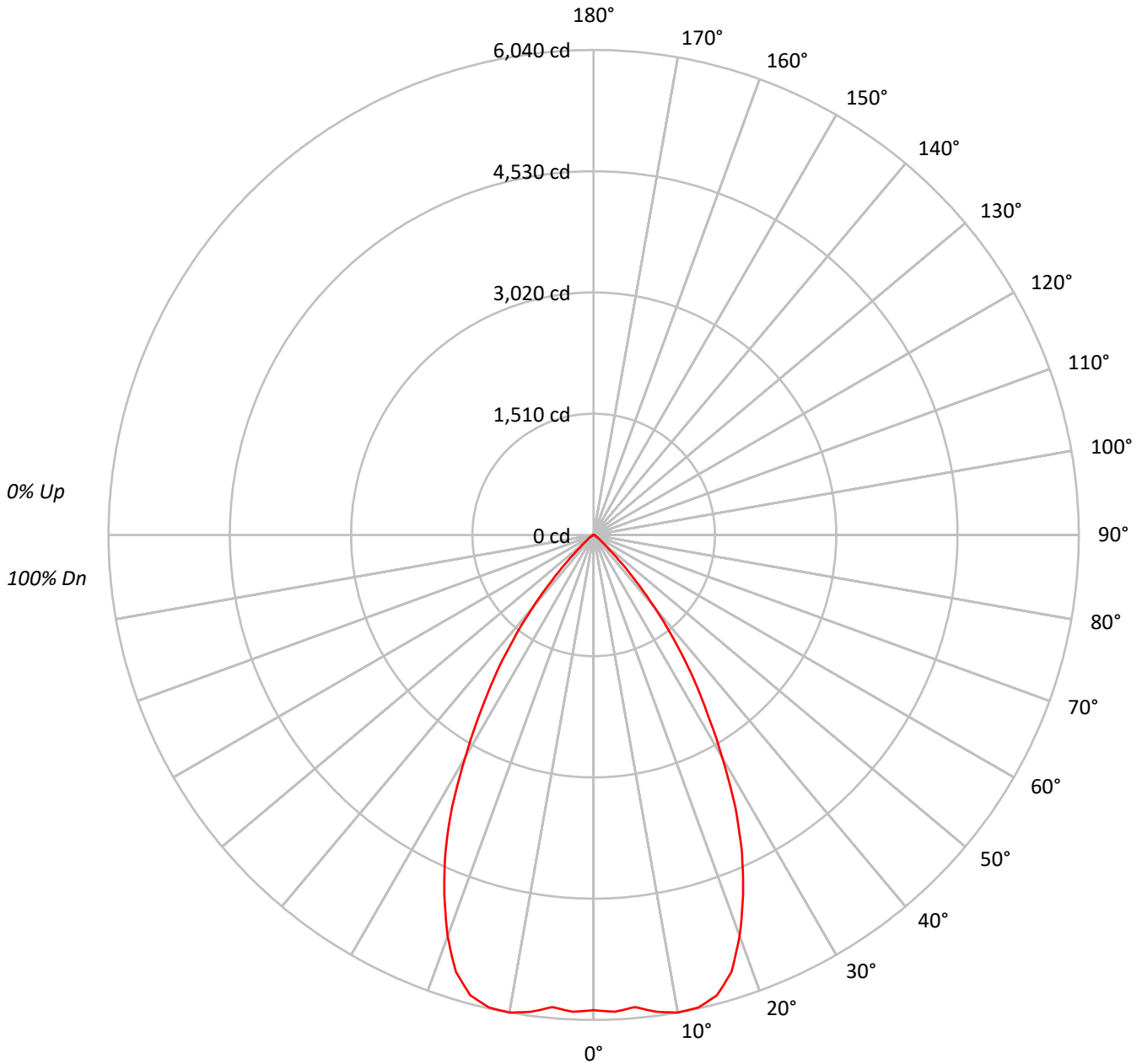
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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									70									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	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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																												
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																												
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																												
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																												
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																												
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																												
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																												
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																												
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																												
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	646835
5°	647375
10°	670160
15°	671270
20°	618025
25°	526588
30°	403117
35°	284799
40°	168103
45°	68251
50°	24732
55°	13791
60°	7910
65°	4343
70°	4568
75°	3546
80°	3712
85°	3134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 68251 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.1	9.5
10°-20°	1644.4	27.3
20°-30°	1972.9	32.8
30°-40°	1325.8	22.0
40°-50°	396.9	6.6
50°-60°	70.1	1.2
60°-70°	19.9	0.3
70°-80°	9.8	0.2
80°-90°	3.1	0.1
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°	4187.3	69.6
0°-40°	5513.2	91.7
0°-60°	5980.2	99.5
0°-90°	6012.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6012.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5920	
5°	5902	570
15°	5934	1644
25°	4368	1973
35°	2135	1326
45°	442	397
55°	72	70
65°	17	20
75°	8	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5920.1
2.5°	5945.4
5°	5902.5
7.5°	5991.6
10°	6040.4
12.5°	6028.7
15°	5934.4
17.5°	5703.9
20°	5315.3
22.5°	4857.6
25°	4368.0
27.5°	3815.2
30°	3195.2
32.5°	2633.2
35°	2135.2
37.5°	1643.0
40°	1178.6
42.5°	769.8
45°	441.7
47.5°	233.9
50°	145.5
52.5°	101.0
55°	72.4
57.5°	52.2
60°	36.2
62.5°	23.6
65°	16.8
67.5°	15.1
70°	14.3
72.5°	10.9
75°	8.4
77.5°	7.6
80°	5.9
82.5°	4.2
85°	2.5
87.5°	1.7
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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