

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: P768529

Luminaire Tested: LD6D55D010-EU6DR6555659040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768529
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: LD6D55D010-EU6DR6555659040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

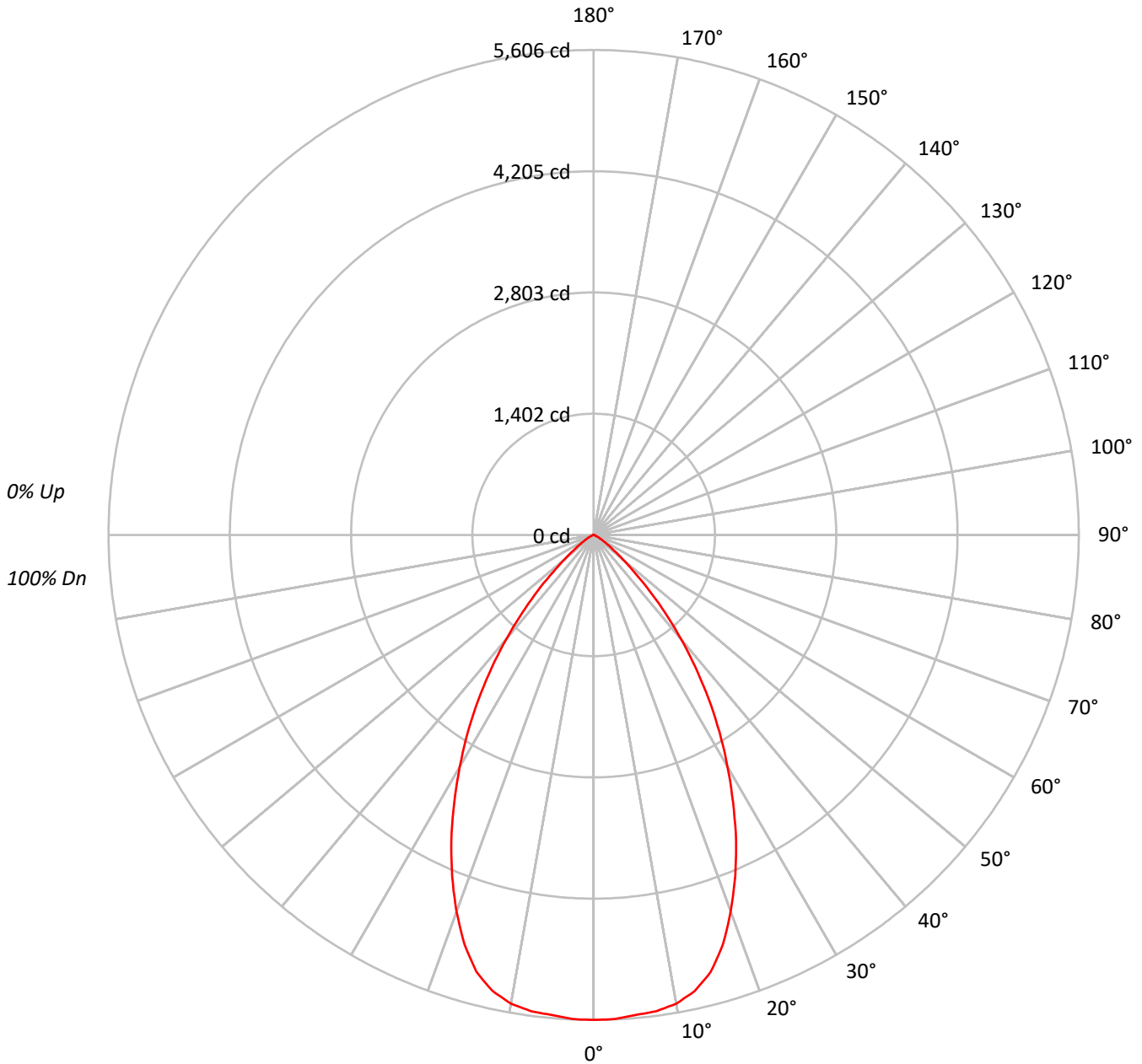
Lumens per Lamp: N/A
Luminaire Lumens: 6173.7 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	327383
5°	326558
10°	326277
15°	316221
20°	287882
25°	250871
30°	208656
35°	165326
40°	119325
45°	75385
50°	39297
55°	20884
60°	10968
65°	6039
70°	2527
75°	2798
80°	1951
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75385 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.1	8.6
10°-20°	1451.6	23.5
20°-30°	1774.4	28.7
30°-40°	1439.7	23.3
40°-50°	717.4	11.6
50°-60°	200.1	3.2
60°-70°	45.5	0.7
70°-80°	11.8	0.2
80°-90°	3.0	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°	3756.1	60.8
0°-40°	5195.8	84.2
0°-60°	6113.4	99.0
0°-90°	6173.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6173.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5606	
5°	5570	530
15°	5230	1452
25°	3893	1774
35°	2319	1440
45°	913	717
55°	205	200
65°	44	45
75°	12	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5605.5
2.5°	5601.4
5°	5570.1
7.5°	5552.0
10°	5501.7
12.5°	5399.6
15°	5229.9
17.5°	4964.7
20°	4631.9
22.5°	4272.7
25°	3893.0
27.5°	3486.9
30°	3094.0
32.5°	2706.0
35°	2318.8
37.5°	1932.5
40°	1565.1
42.5°	1220.8
45°	912.7
47.5°	635.9
50°	432.5
52.5°	298.2
55°	205.1
57.5°	138.4
60°	93.9
62.5°	65.1
65°	43.7
67.5°	22.2
70°	14.8
72.5°	14.0
75°	12.4
77.5°	8.2
80°	5.8
82.5°	4.1
85°	2.5
87.5°	1.6
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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