

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: P768542

Luminaire Tested: LD6D55D010-EU6DR6555659050-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768542  
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-EU6DR6555659050-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

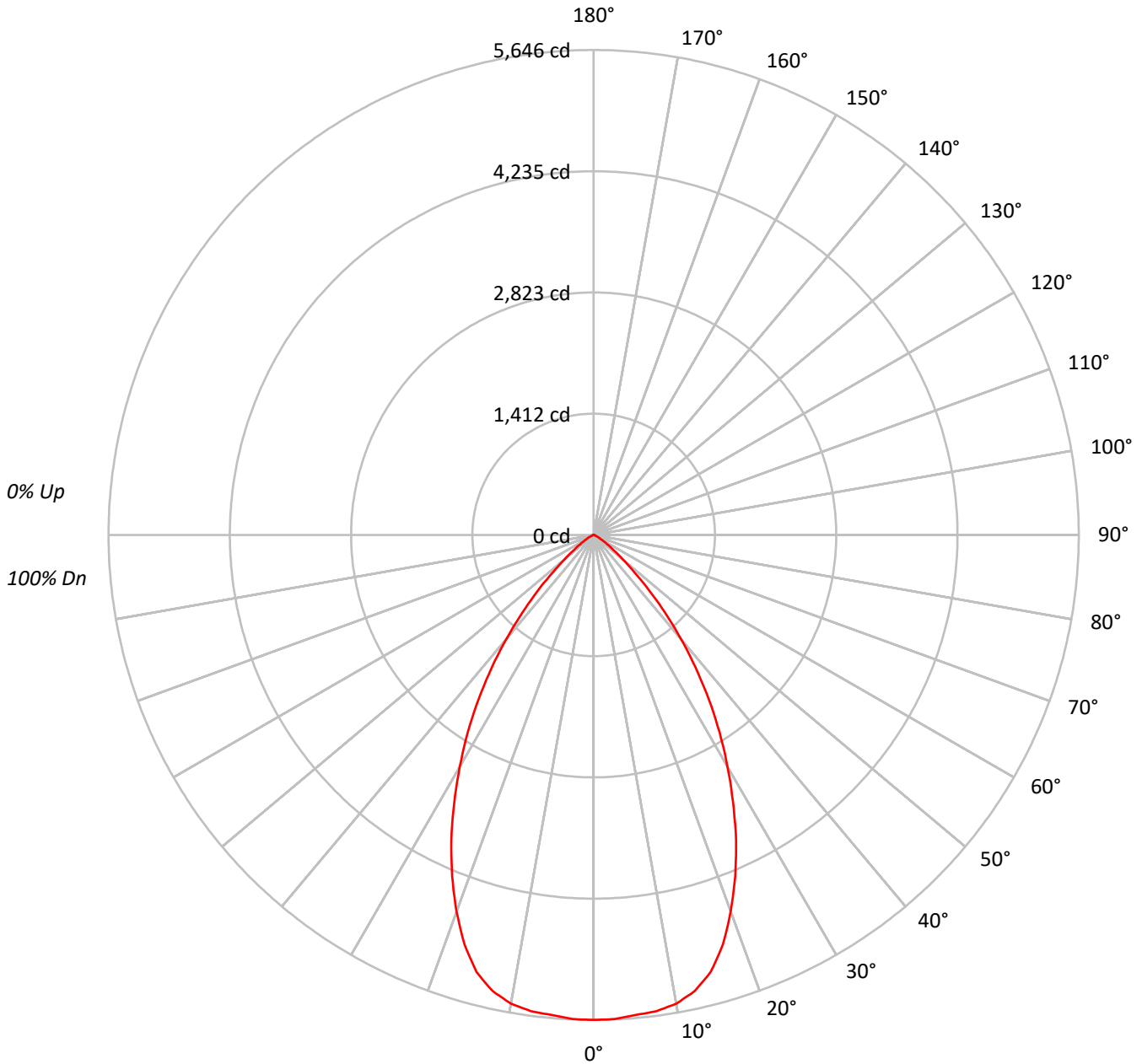
Lumens per Lamp: N/A  
Luminaire Lumens: 6217.8 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

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°	329725
5°	328891
10°	328608
15°	318483
20°	289940
25°	252662
30°	210147
35°	166509
40°	120178
45°	75922
50°	39579
55°	21037
60°	11050
65°	6081
70°	2544
75°	2798
80°	1951
85°	1675

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 75922 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	533.9	8.6
10°-20°	1462.0	23.5
20°-30°	1787.1	28.7
30°-40°	1450.0	23.3
40°-50°	722.6	11.6
50°-60°	201.5	3.2
60°-70°	45.8	0.7
70°-80°	11.9	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°	3783.0	60.8
0°-40°	5232.9	84.2
0°-60°	6157.0	99.0
0°-90°	6217.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6217.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5646	
5°	5610	534
15°	5267	1462
25°	3921	1787
35°	2335	1450
45°	919	723
55°	207	202
65°	44	46
75°	12	12
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5645.6
2.5°	5641.4
5°	5609.9
7.5°	5591.7
10°	5541.0
12.5°	5438.2
15°	5267.3
17.5°	5000.1
20°	4665.0
22.5°	4303.2
25°	3920.8
27.5°	3511.8
30°	3116.1
32.5°	2725.3
35°	2335.4
37.5°	1946.3
40°	1576.3
42.5°	1229.5
45°	919.2
47.5°	640.5
50°	435.6
52.5°	300.3
55°	206.6
57.5°	139.4
60°	94.6
62.5°	65.5
65°	44.0
67.5°	22.4
70°	14.9
72.5°	14.1
75°	12.4
77.5°	8.3
80°	5.8
82.5°	4.1
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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(END OF REPORT)