

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: P768448

Luminaire Tested: LD6D55D010-EU6DR6055659035-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768448  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D55D010-EU6DR6055659035-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5931.2 lumens  
Efficiency: N/A  
Efficacy: 101.9 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

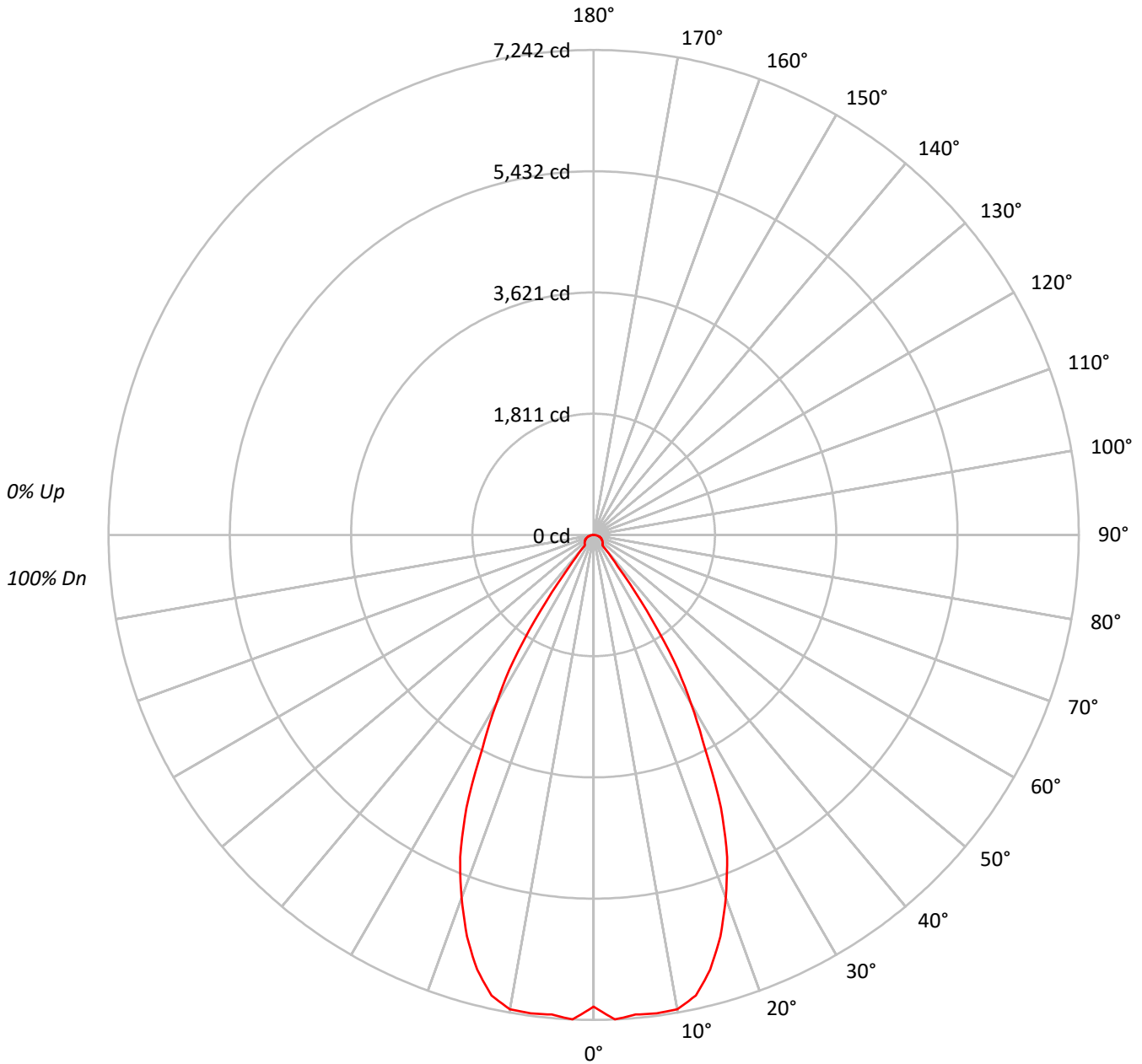
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	769633
5°	788564
10°	798092
15°	760292
20°	670336
25°	542188
30°	366745
35°	183775
40°	29810
45°	29173
50°	29763
55°	30212
60°	31052
65°	31748
70°	32521
75°	32886
80°	31712
85°	26452

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 32886 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	687.2	11.6
10°-20°	1859.2	31.3
20°-30°	2000.3	33.7
30°-40°	869.5	14.7
40°-50°	146.0	2.5
50°-60°	142.0	2.4
60°-70°	121.5	2.0
70°-80°	81.3	1.4
80°-90°	24.3	0.4
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°	4546.6	76.7
0°-40°	5416.1	91.3
0°-60°	5704.1	96.2
0°-90°	5931.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5931.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7044	
5°	7190	687
15°	6721	1859
25°	4497	2000
35°	1378	869
45°	189	146
55°	159	142
65°	123	121
75°	78	81
85°	21	24
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7044.0
2.5°	7242.1
5°	7189.8
7.5°	7206.3
10°	7193.5
12.5°	7045.0
15°	6721.4
17.5°	6286.8
20°	5765.2
22.5°	5206.9
25°	4497.4
27.5°	3597.2
30°	2906.9
32.5°	2240.5
35°	1377.8
37.5°	589.4
40°	209.0
42.5°	192.5
45°	188.8
47.5°	182.4
50°	175.1
52.5°	166.8
55°	158.6
57.5°	150.3
60°	142.1
62.5°	132.9
65°	122.8
67.5°	112.8
70°	101.8
72.5°	89.8
75°	77.9
77.5°	64.2
80°	50.4
82.5°	35.8
85°	21.1
87.5°	7.3
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)