

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: P774716

Luminaire Tested: LD6D95BD010-EU6DR6570959024-6LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774716  
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: LD6D95BD010-EU6DR6570959024-6LBCSSQMMMS  
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

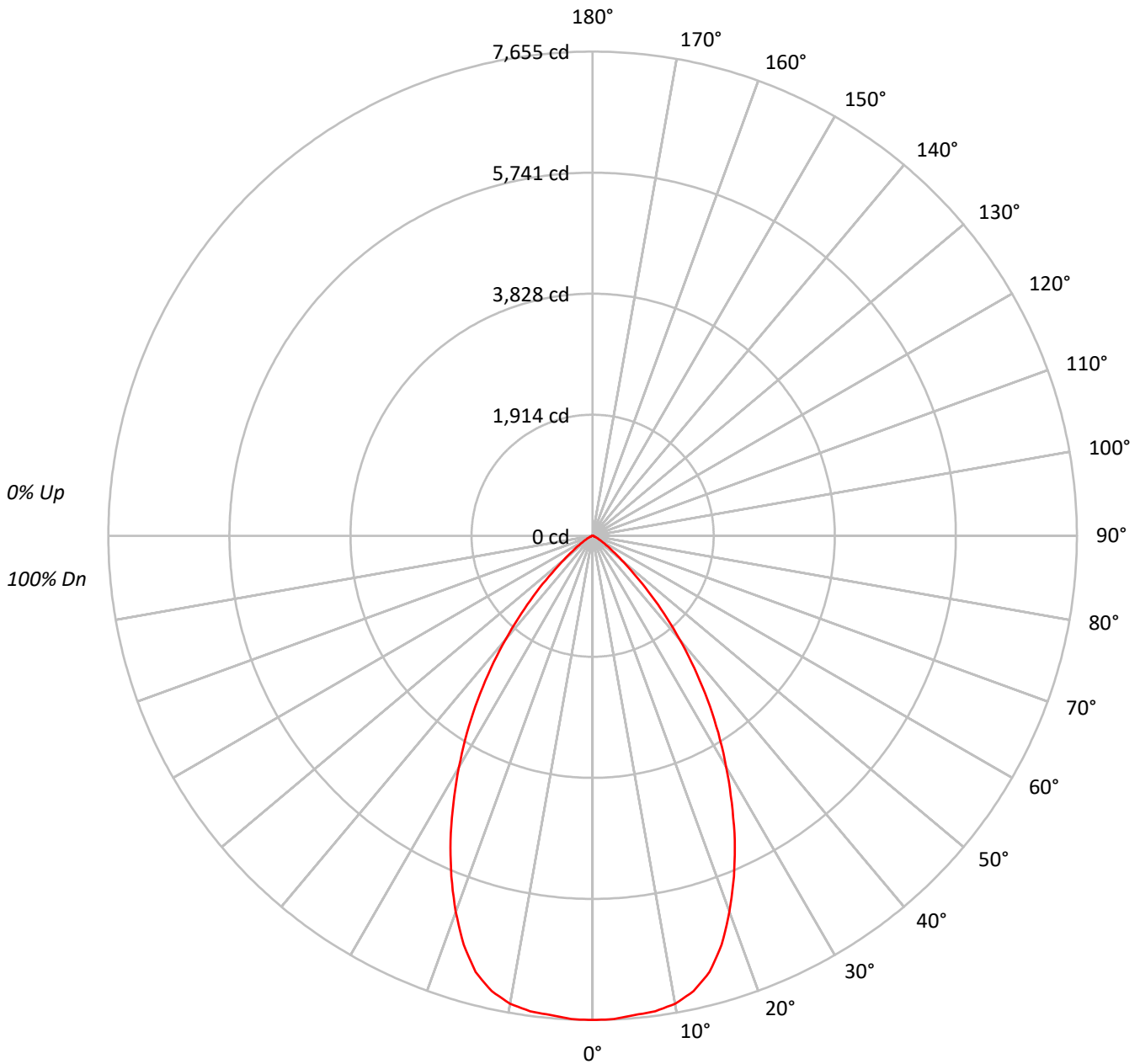
Lumens per Lamp: N/A  
Luminaire Lumens: 8430.4 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 99.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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°	447058
5°	445928
10°	445551
15°	431817
20°	393112
25°	342571
30°	284923
35°	225765
40°	162942
45°	102939
50°	53653
55°	28521
60°	14975
65°	8236
70°	3449
75°	3814
80°	2657
85°	2278

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 102939 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	723.9	8.6
10°-20°	1982.3	23.5
20°-30°	2423.0	28.7
30°-40°	1966.0	23.3
40°-50°	979.7	11.6
50°-60°	273.3	3.2
60°-70°	62.1	0.7
70°-80°	16.1	0.2
80°-90°	4.1	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°	5129.2	60.8
0°-40°	7095.1	84.2
0°-60°	8348.0	99.0
0°-90°	8430.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8430.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7655	
5°	7606	724
15°	7142	1982
25°	5316	2423
35°	3166	1966
45°	1246	980
55°	280	273
65°	60	62
75°	17	16
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7654.6
2.5°	7649.0
5°	7606.2
7.5°	7581.5
10°	7512.9
12.5°	7373.4
15°	7141.7
17.5°	6779.5
20°	6325.0
22.5°	5834.6
25°	5316.0
27.5°	4761.5
30°	4224.9
32.5°	3695.1
35°	3166.5
37.5°	2638.9
40°	2137.2
42.5°	1667.0
45°	1246.3
47.5°	868.4
50°	590.5
52.5°	407.2
55°	280.1
57.5°	189.0
60°	128.2
62.5°	88.9
65°	59.6
67.5°	30.4
70°	20.2
72.5°	19.1
75°	16.9
77.5°	11.2
80°	7.9
82.5°	5.6
85°	3.4
87.5°	2.2
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)