

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: P773390

Luminaire Tested: LD6D90BD010-EU6DR3070959024-6LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773390  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D90BD010-EU6DR3070959024-6LBCSSQMMMS  
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8341.0 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

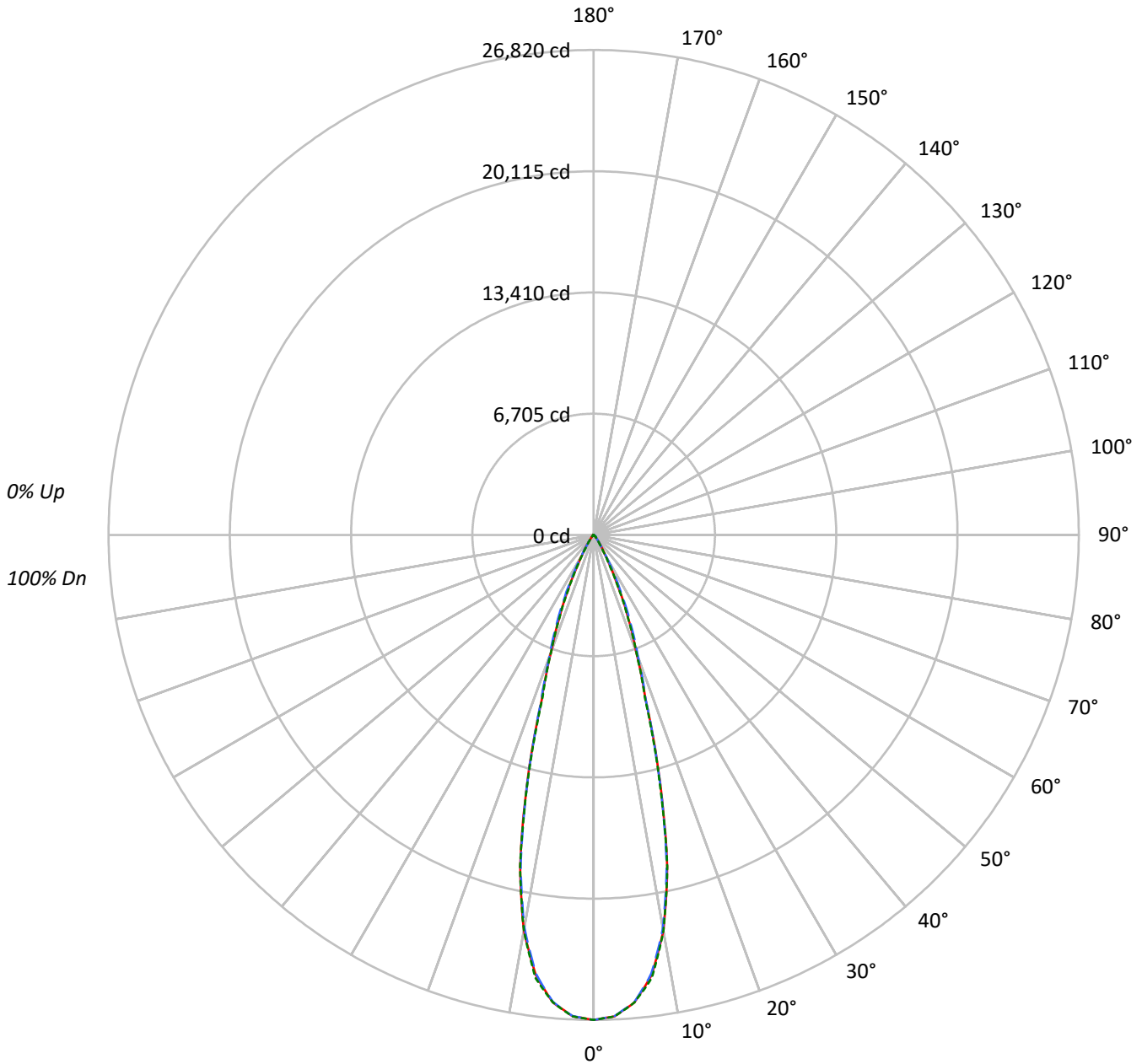
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

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

	0°	45°	90°
0°	2052932	2052932	2052932
5°	1993996	1991676	1994104
10°	1727109	1714930	1726698
15°	1126851	1120797	1115163
20°	560326	581350	559577
25°	282253	318290	276476
30°	113009	123138	98461
35°	52421	50207	42077
40°	22632	25130	21313
45°	15967	19810	16107
50°	5490	14421	5799
55°	3163	5979	3336
60°	2220	2618	2220
65°	1431	1431	1431
70°	895	582	895
75°	0	384	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19810 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2358.5	28.3
10°-20°	3798.3	45.5
20°-30°	1641.4	19.7
30°-40°	374.1	4.5
40°-50°	128.4	1.5
50°-60°	31.4	0.4
60°-70°	8.1	0.1
70°-80°	0.9	0.0
80°-90°	0.0	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°	7798.1	93.5
0°-40°	8172.2	98.0
0°-60°	8332.1	99.9
0°-90°	8341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8341.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	26820	26820	26820	26820	26820	
5°	25951	25926	25921	25975	25953	2360
15°	14220	14049	14144	14098	14073	3808
25°	3342	3468	3769	3380	3274	1600
35°	561	573	537	533	450	381
45°	148	183	183	183	149	105
55°	24	25	45	26	25	23
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	26820.5	26820.5	26820.5	26820.5	26820.5
2.5°	26642.8	26624.3	26634.9	26648.0	26653.3
5°	25951.4	25926.4	25921.2	25975.1	25952.8
7.5°	24557.0	24521.4	24467.4	24589.9	24704.4
10°	22221.0	22181.5	22064.3	22122.2	22215.7
12.5°	18772.3	18644.5	18641.9	18826.3	18801.2
15°	14220.1	14048.9	14143.7	14097.6	14072.6
17.5°	9562.6	9496.7	9623.2	9585.0	9420.4
20°	6878.9	6896.1	7137.0	7015.9	6869.7
22.5°	5019.6	5081.5	5367.3	5055.2	4940.6
25°	3342.0	3468.4	3768.7	3380.2	3273.6
27.5°	2055.5	2113.5	2417.6	2029.2	1971.2
30°	1278.6	1249.6	1393.2	1195.7	1114.0
32.5°	838.8	801.9	848.0	761.1	695.3
35°	561.0	572.8	537.3	533.3	450.3
37.5°	350.3	402.9	355.5	379.2	289.7
40°	226.5	292.3	251.5	277.8	213.3
42.5°	185.7	225.2	206.7	219.9	189.6
45°	147.5	183.0	183.0	183.0	148.8
47.5°	81.6	122.5	156.7	125.1	86.9
50°	46.1	61.9	121.1	64.5	48.7
52.5°	31.6	35.6	83.0	36.9	32.9
55°	23.7	25.0	44.8	26.3	25.0
57.5°	18.4	19.8	23.7	19.8	18.4
60°	14.5	14.5	17.1	15.8	14.5
62.5°	10.5	10.5	11.9	10.5	10.5
65°	7.9	7.9	7.9	7.9	7.9
67.5°	4.0	5.3	5.3	5.3	5.3
70°	4.0	2.6	2.6	2.6	4.0
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - 90°-270°

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