

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



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: P771831

Luminaire Tested: LD6D80BD010-EU6DR3070959024-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771831  
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: LD6D80BD010-EU6DR3070959024-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7386.8 lumens  
Efficiency: N/A  
Efficacy: 93.6 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

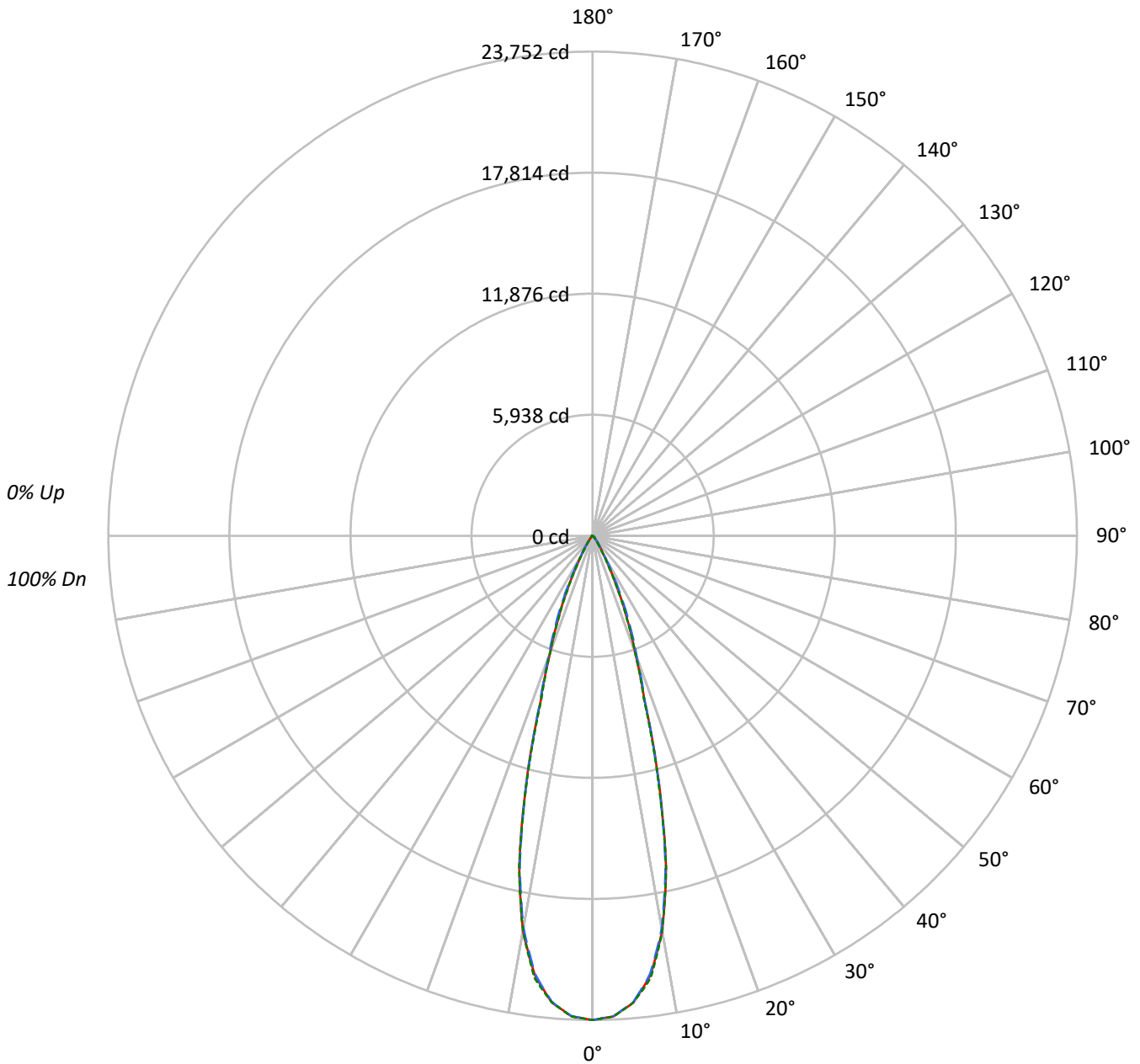
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	1818066	1818066	1818066
5°	1765871	1763811	1765963
10°	1529511	1518731	1529154
15°	997930	992573	987581
20°	496220	514841	495561
25°	249965	281873	244839
30°	100078	109049	87200
35°	46422	44460	37265
40°	20044	22252	18875
45°	14137	17547	14267
50°	4858	12777	5132
55°	2802	5285	2963
60°	1960	2327	1960
65°	1268	1268	1268
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 17547 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2088.6	28.3
10°-20°	3363.8	45.5
20°-30°	1453.6	19.7
30°-40°	331.3	4.5
40°-50°	113.8	1.5
50°-60°	27.8	0.4
60°-70°	7.2	0.1
70°-80°	0.8	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°	6906.0	93.5
0°-40°	7237.3	98.0
0°-60°	7378.8	99.9
0°-90°	7386.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7386.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	23752	23752	23752	23752	23752	
5°	22982	22960	22956	23003	22984	2090
15°	12593	12442	12526	12485	12463	3372
25°	2960	3072	3338	2994	2899	1417
35°	497	507	476	472	399	337
45°	131	162	162	162	132	93
55°	21	22	40	23	22	20
65°	7	7	7	7	7	7
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°	23752.1	23752.1	23752.1	23752.1	23752.1
2.5°	23594.6	23578.3	23587.6	23599.3	23604.0
5°	22982.4	22960.3	22955.6	23003.4	22983.6
7.5°	21747.5	21716.0	21668.2	21776.6	21878.1
10°	19678.7	19643.7	19540.0	19591.3	19674.1
12.5°	16624.6	16511.5	16509.1	16672.4	16650.2
15°	12593.2	12441.6	12525.6	12484.8	12462.6
17.5°	8468.6	8410.2	8522.2	8488.4	8342.6
20°	6091.9	6107.1	6320.5	6213.2	6083.8
22.5°	4445.4	4500.2	4753.2	4476.8	4375.4
25°	2959.7	3071.6	3337.5	2993.5	2899.0
27.5°	1820.4	1871.7	2141.0	1797.0	1745.7
30°	1132.3	1106.7	1233.8	1058.9	986.6
32.5°	742.8	710.2	751.0	674.0	615.7
35°	496.8	507.3	475.8	472.3	398.8
37.5°	310.2	356.8	314.9	335.9	256.6
40°	200.6	258.9	222.7	246.1	188.9
42.5°	164.4	199.4	183.1	194.7	167.9
45°	130.6	162.1	162.1	162.1	131.8
47.5°	72.3	108.5	138.8	110.8	77.0
50°	40.8	54.8	107.3	57.1	43.1
52.5°	28.0	31.5	73.5	32.7	29.2
55°	21.0	22.2	39.6	23.3	22.2
57.5°	16.3	17.5	21.0	17.5	16.3
60°	12.8	12.8	15.2	14.0	12.8
62.5°	9.3	9.3	10.5	9.3	9.3
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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

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Scaled Data Report



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Scaled Data Report







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

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