

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: P771896

Luminaire Tested: LD6D80BD010-EU6DR3070959050-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771896
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-EU6DR3070959050-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9183.6 lumens
Efficiency: N/A
Efficacy: 116.4 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

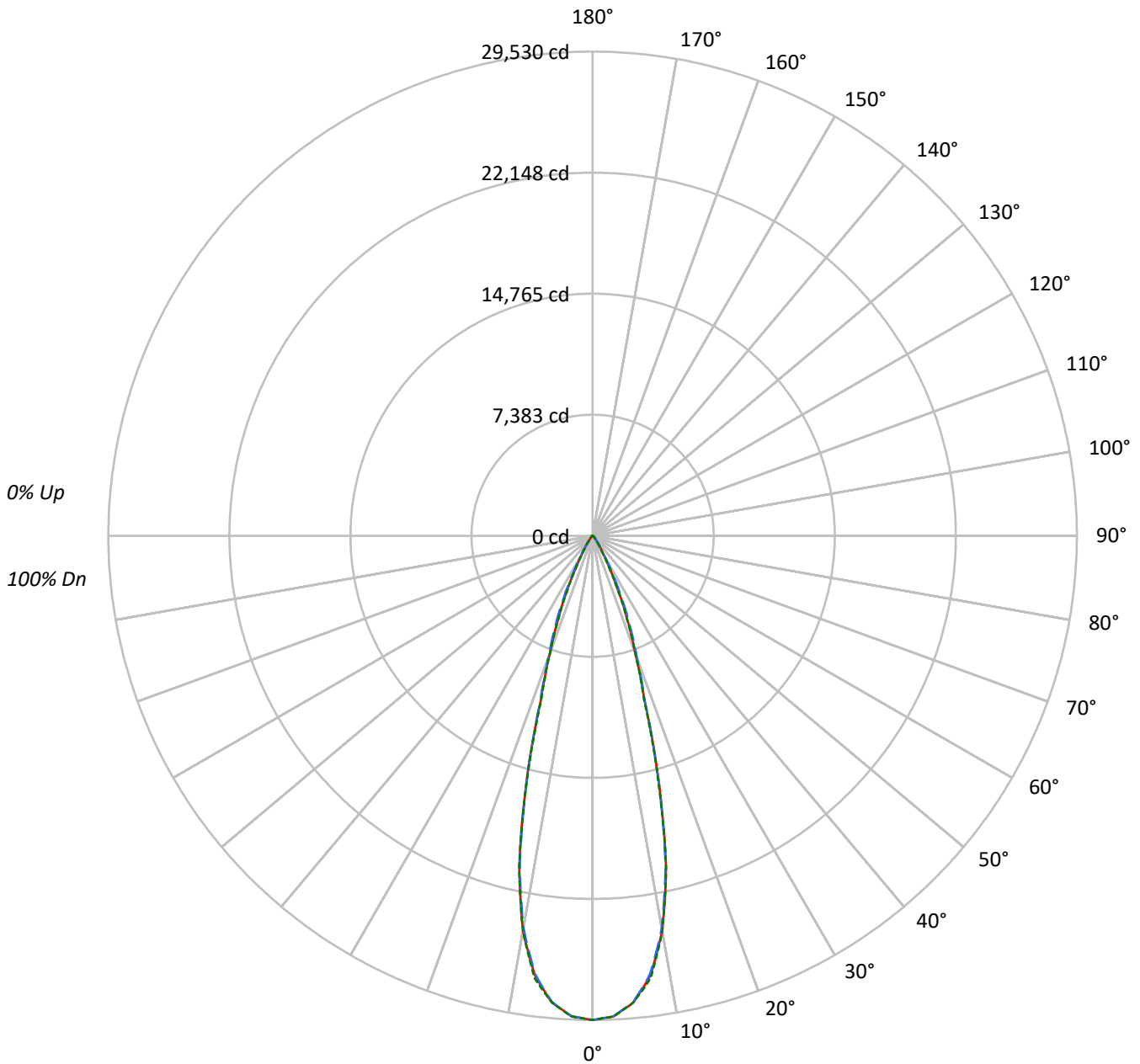
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2260319	2260319	2260319
5°	2195436	2192870	2195544
10°	1901577	1888170	1901126
15°	1240685	1234020	1227815
20°	616938	640080	616107
25°	310765	350443	304406
30°	124428	135573	108404
35°	57710	55271	46329
40°	24920	27668	23471
45°	17580	21812	17731
50°	6037	15885	6383
55°	3483	6579	3670
60°	2434	2878	2434
65°	1576	1576	1576
70°	962	649	962
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 21812 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2596.7	28.3
10°-20°	4182.0	45.5
20°-30°	1807.2	19.7
30°-40°	411.9	4.5
40°-50°	141.4	1.5
50°-60°	34.5	0.4
60°-70°	8.9	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°	8585.9	93.5
0°-40°	8997.8	98.0
0°-60°	9173.7	99.9
0°-90°	9183.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9183.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29530	29530	29530	29530	29530	
5°	28573	28546	28540	28599	28574	2599
15°	15657	15468	15572	15522	15494	4192
25°	3680	3819	4149	3722	3604	1761
35°	618	631	592	587	496	419
45°	162	202	202	202	164	115
55°	26	28	49	29	28	25
65°	9	9	9	9	9	9
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°	29529.9	29529.9	29529.9	29529.9	29529.9
2.5°	29334.2	29313.9	29325.5	29340.0	29345.8
5°	28573.1	28545.5	28539.7	28599.2	28574.5
7.5°	27037.7	26998.6	26939.1	27073.9	27200.1
10°	24465.7	24422.2	24293.2	24357.0	24459.9
12.5°	20668.6	20528.0	20525.1	20728.1	20700.5
15°	15656.6	15468.1	15572.5	15521.8	15494.2
17.5°	10528.6	10456.1	10595.3	10553.2	10372.0
20°	7573.9	7592.7	7858.0	7724.6	7563.7
22.5°	5526.7	5594.9	5909.5	5565.9	5439.7
25°	3679.6	3818.8	4149.4	3721.7	3604.3
27.5°	2263.2	2327.0	2661.9	2234.2	2170.4
30°	1407.8	1375.9	1533.9	1316.4	1226.5
32.5°	923.5	882.9	933.7	838.0	765.5
35°	617.6	630.7	591.5	587.2	495.8
37.5°	385.7	443.6	391.5	417.5	319.0
40°	249.4	321.9	276.9	305.9	234.9
42.5°	204.4	247.9	227.6	242.1	208.8
45°	162.4	201.5	201.5	201.5	163.8
47.5°	89.9	134.8	172.5	137.7	95.7
50°	50.7	68.1	133.4	71.0	53.6
52.5°	34.8	39.1	91.3	40.6	36.2
55°	26.1	27.5	49.3	29.0	27.5
57.5°	20.3	21.7	26.1	21.7	20.3
60°	15.9	15.9	18.8	17.4	15.9
62.5°	11.6	11.6	13.0	11.6	11.6
65°	8.7	8.7	8.7	8.7	8.7
67.5°	4.3	5.8	5.8	5.8	5.8
70°	4.3	2.9	2.9	2.9	4.3
72.5°	2.9	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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





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

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