

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: P771870

Luminaire Tested: LD6D80BD010-EU6DR3070959035-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771870
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-EU6DR3070959035-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8711.3 lumens
Efficiency: N/A
Efficacy: 110.4 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

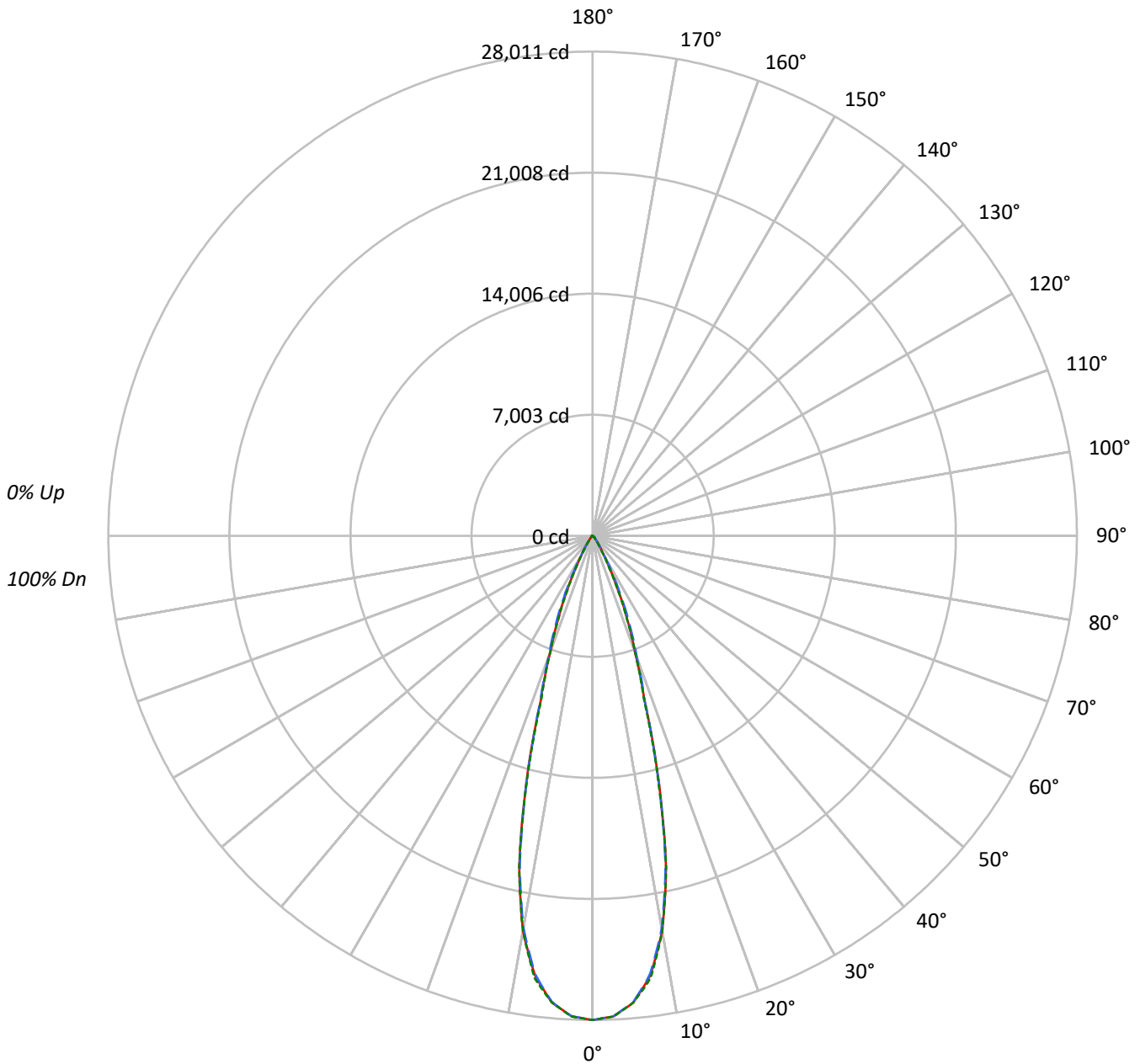
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	2144049	2144049	2144049
5°	2082503	2080067	2082611
10°	1803761	1791045	1803334
15°	1176862	1170546	1164658
20°	585203	607155	584413
25°	294786	332412	288748
30°	118029	128600	102836
35°	54748	52430	43946
40°	23631	26249	22262
45°	16670	20697	16822
50°	5728	15064	6061
55°	3310	6245	3483
60°	2312	2740	2312
65°	1503	1503	1503
70°	918	627	918
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 20697 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2463.1	28.3
10°-20°	3966.9	45.5
20°-30°	1714.2	19.7
30°-40°	390.7	4.5
40°-50°	134.2	1.5
50°-60°	32.8	0.4
60°-70°	8.5	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°	8144.2	93.5
0°-40°	8535.0	98.0
0°-60°	8701.9	99.9
0°-90°	8711.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8711.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28011	28011	28011	28011	28011	
5°	27103	27077	27072	27128	27105	2465
15°	14851	14672	14772	14723	14697	3977
25°	3490	3622	3936	3530	3419	1671
35°	586	598	561	557	470	397
45°	154	191	191	191	155	109
55°	25	26	47	28	26	24
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°	28010.9	28010.9	28010.9	28010.9	28010.9
2.5°	27825.3	27806.0	27817.0	27830.8	27836.3
5°	27103.3	27077.1	27071.6	27128.0	27104.7
7.5°	25646.9	25609.8	25553.4	25681.3	25800.9
10°	23207.2	23166.0	23043.6	23104.1	23201.7
12.5°	19605.5	19472.1	19469.3	19661.8	19635.7
15°	14851.2	14672.5	14771.5	14723.3	14697.2
17.5°	9987.0	9918.2	10050.3	10010.4	9838.5
20°	7184.3	7202.1	7453.8	7327.3	7174.6
22.5°	5242.4	5307.1	5605.5	5279.6	5159.9
25°	3490.4	3622.4	3935.9	3530.2	3418.9
27.5°	2146.8	2207.3	2524.9	2119.2	2058.7
30°	1335.4	1305.1	1455.0	1248.7	1163.5
32.5°	876.0	837.5	885.7	794.9	726.1
35°	585.9	598.2	561.1	557.0	470.3
37.5°	365.8	420.8	371.3	396.1	302.6
40°	236.5	305.3	262.7	290.2	222.8
42.5°	193.9	235.2	215.9	229.7	198.0
45°	154.0	191.2	191.2	191.2	155.4
47.5°	85.3	127.9	163.7	130.6	90.8
50°	48.1	64.6	126.5	67.4	50.9
52.5°	33.0	37.1	86.6	38.5	34.4
55°	24.8	26.1	46.8	27.5	26.1
57.5°	19.3	20.6	24.8	20.6	19.3
60°	15.1	15.1	17.9	16.5	15.1
62.5°	11.0	11.0	12.4	11.0	11.0
65°	8.3	8.3	8.3	8.3	8.3
67.5°	4.1	5.5	5.5	5.5	5.5
70°	4.1	2.8	2.8	2.8	4.1
72.5°	2.8	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

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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