

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: P771868

Luminaire Tested: LD6D80BD010-EU6DR3070959035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771868
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-EU6DR3070959035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8709.9 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

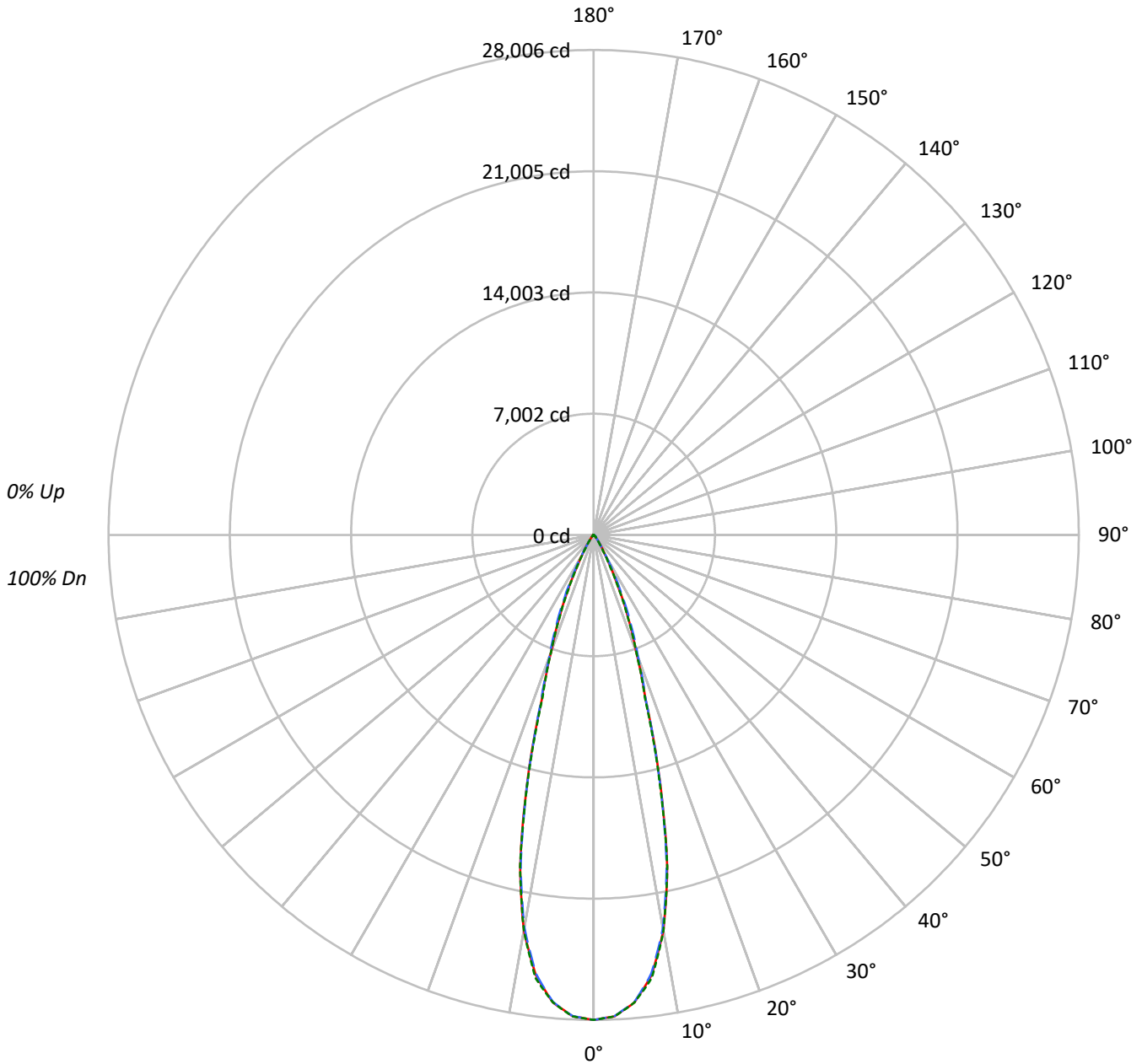
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	2143713	2143713	2143713
5°	2082173	2079745	2082280
10°	1803481	1790758	1803054
15°	1176680	1170364	1164476
20°	585105	607057	584323
25°	294736	332361	288697
30°	118011	128582	102818
35°	54738	52421	43946
40°	23631	26239	22262
45°	16670	20686	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: 20686 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2462.7	28.3
10°-20°	3966.3	45.5
20°-30°	1713.9	19.7
30°-40°	390.6	4.5
40°-50°	134.1	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°	8143.0	93.5
0°-40°	8533.6	98.0
0°-60°	8700.5	99.9
0°-90°	8709.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8709.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28006	28006	28006	28006	28006	
5°	27099	27073	27067	27124	27100	2465
15°	14849	14670	14769	14721	14695	3976
25°	3490	3622	3935	3530	3418	1670
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°	28006.5	28006.5	28006.5	28006.5	28006.5
2.5°	27820.9	27801.7	27812.7	27826.4	27831.9
5°	27099.0	27072.9	27067.4	27123.8	27100.4
7.5°	25642.9	25605.7	25549.4	25677.2	25796.9
10°	23203.6	23162.3	23039.9	23100.4	23198.1
12.5°	19602.4	19469.0	19466.2	19658.7	19632.6
15°	14848.9	14670.2	14769.2	14721.0	14694.9
17.5°	9985.4	9916.7	10048.7	10008.8	9836.9
20°	7183.1	7201.0	7452.6	7326.1	7173.5
22.5°	5241.6	5306.2	5604.6	5278.7	5159.1
25°	3489.8	3621.8	3935.3	3529.7	3418.3
27.5°	2146.4	2206.9	2524.5	2118.9	2058.4
30°	1335.2	1304.9	1454.8	1248.5	1163.3
32.5°	875.9	837.4	885.5	794.8	726.0
35°	585.8	598.1	561.0	556.9	470.3
37.5°	365.8	420.8	371.3	396.0	302.5
40°	236.5	305.3	262.6	290.1	222.8
42.5°	193.9	235.1	215.9	229.6	198.0
45°	154.0	191.1	191.1	191.1	155.4
47.5°	85.3	127.9	163.6	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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