

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: P771829

Luminaire Tested: LD6D80BD010-EU6DR3070959024-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771829
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-EU6DR3070959024-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7385.6 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

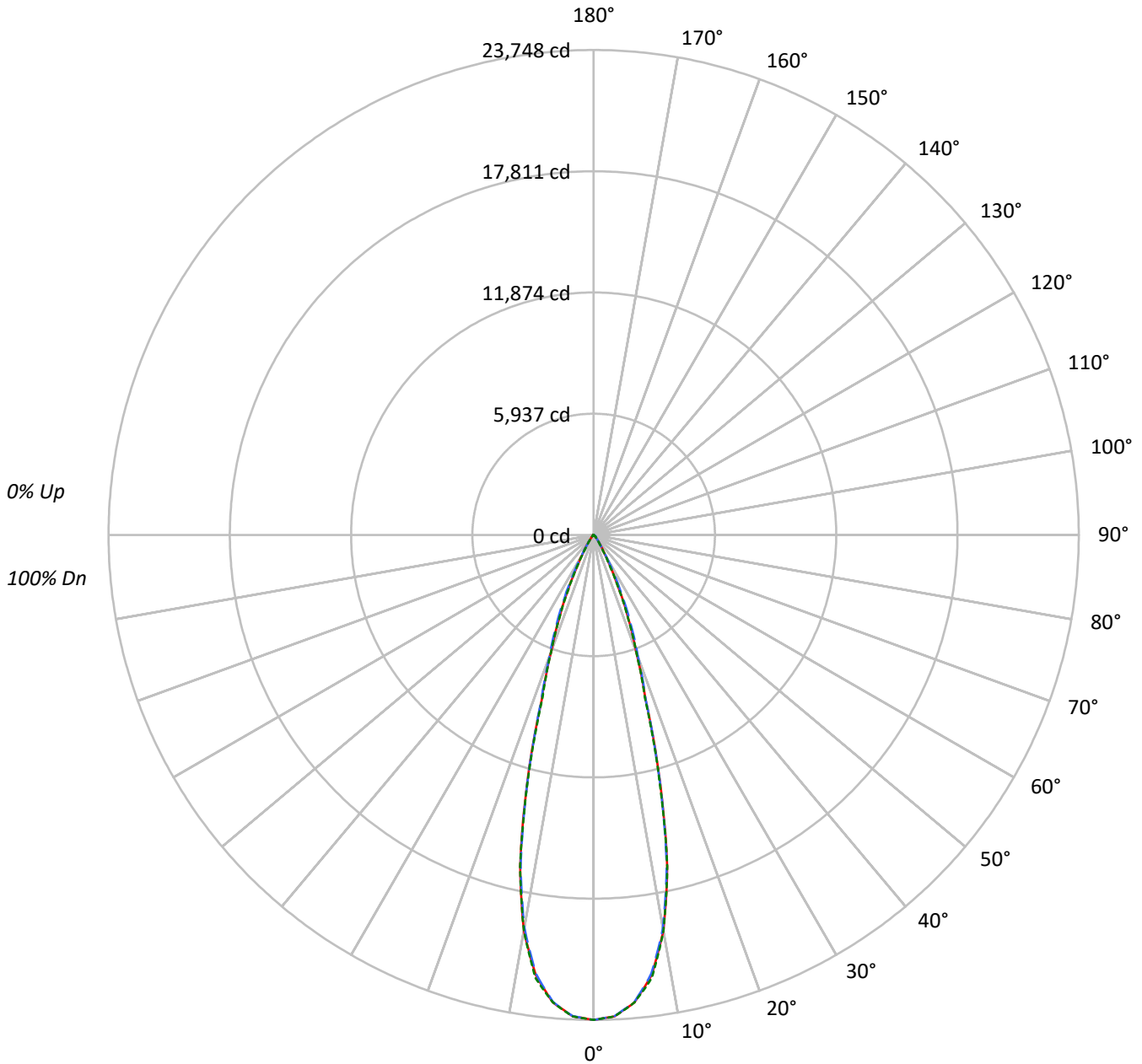
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P771829

CATALOG NUMBER: LD6D80BD010-EU6DR3070959024-6LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P771829

CATALOG NUMBER: LD6D80BD010-EU6DR3070959024-6LBCSSQMB

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°	1817776	1817776	1817776
5°	1765594	1763535	1765686
10°	1529270	1518490	1528913
15°	997771	992415	987422
20°	496147	514760	495479
25°	249923	281831	244805
30°	100069	109031	87183
35°	46413	44450	37265
40°	20034	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



TEST NUMBER: P771829

CATALOG NUMBER: LD6D80BD010-EU6DR3070959024-6LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2088.3	28.3
10°-20°	3363.2	45.5
20°-30°	1453.3	19.7
30°-40°	331.2	4.5
40°-50°	113.7	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°	6904.9	93.5
0°-40°	7236.1	98.0
0°-60°	7377.7	99.9
0°-90°	7385.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7385.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23748	23748	23748	23748	23748	
5°	22979	22957	22952	23000	22980	2090
15°	12591	12440	12524	12483	12461	3371
25°	2959	3071	3337	2993	2899	1416
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



TEST NUMBER: P771829

CATALOG NUMBER: LD6D80BD010-EU6DR3070959024-6LBCSSQMB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23748.3	23748.3	23748.3	23748.3	23748.3
2.5°	23590.9	23574.6	23583.9	23595.6	23600.3
5°	22978.8	22956.6	22952.0	22999.8	22980.0
7.5°	21744.0	21712.6	21664.8	21773.2	21874.6
10°	19675.6	19640.6	19536.9	19588.2	19671.0
12.5°	16622.0	16508.9	16506.5	16669.8	16647.6
15°	12591.2	12439.7	12523.6	12482.8	12460.6
17.5°	8467.2	8408.9	8520.9	8487.0	8341.3
20°	6091.0	6106.1	6319.5	6212.3	6082.8
22.5°	4444.7	4499.5	4752.5	4476.1	4374.7
25°	2959.2	3071.1	3337.0	2993.0	2898.6
27.5°	1820.1	1871.4	2140.7	1796.7	1745.4
30°	1132.2	1106.5	1233.6	1058.7	986.4
32.5°	742.7	710.1	750.9	673.9	615.6
35°	496.7	507.2	475.7	472.2	398.8
37.5°	310.1	356.8	314.8	335.8	256.5
40°	200.5	258.8	222.7	246.0	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	108.4	138.7	110.8	77.0
50°	40.8	54.8	107.3	57.1	43.1
52.5°	28.0	31.5	73.5	32.6	29.1
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

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





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

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)