

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: P771866

Luminaire Tested: LD6D80BD010-EU6DR3070959030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771866
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-EU6DR3070959030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

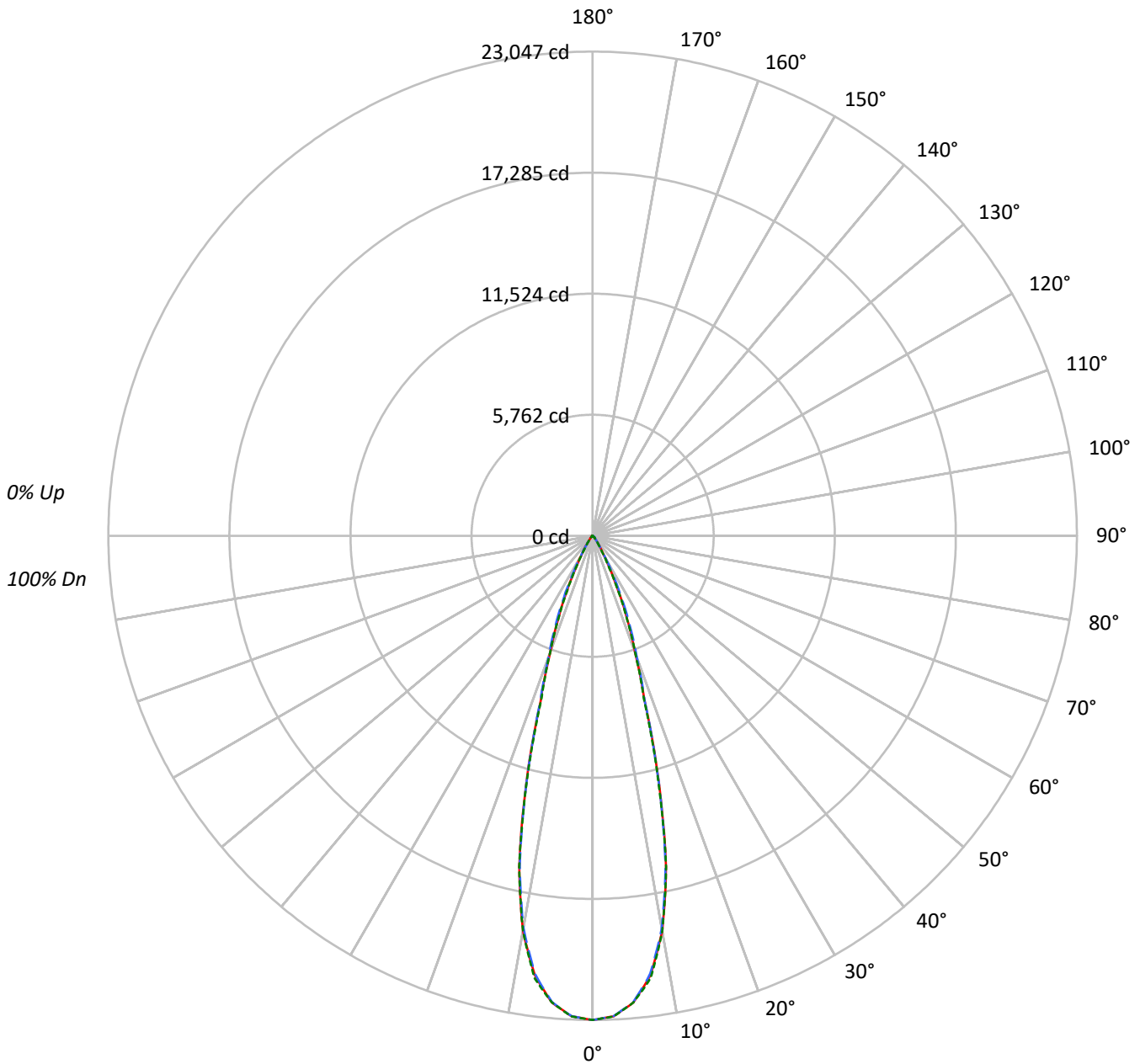
Lumens per Lamp: N/A
Luminaire Lumens: 7167.4 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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°	1764080	1764080	1764080
5°	1713438	1711440	1713522
10°	1484097	1473628	1483747
15°	968301	963102	958253
20°	481493	499552	480842
25°	242542	273503	237576
30°	97108	105805	84611
35°	45039	43142	36162
40°	19444	21593	18315
45°	13715	17028	13845
50°	4716	12396	4989
55°	2722	5138	2869
60°	1898	2250	1898
65°	1232	1232	1232
70°	761	515	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17028 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2026.6	28.3
10°-20°	3263.9	45.5
20°-30°	1410.4	19.7
30°-40°	321.5	4.5
40°-50°	110.4	1.5
50°-60°	27.0	0.4
60°-70°	7.0	0.1
70°-80°	0.7	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°	6700.9	93.5
0°-40°	7022.4	98.0
0°-60°	7159.7	99.9
0°-90°	7167.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7167.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23047	23047	23047	23047	23047	
5°	22300	22278	22274	22320	22301	2028
15°	12219	12072	12154	12114	12092	3272
25°	2872	2980	3238	2905	2813	1375
35°	482	492	462	458	387	327
45°	127	157	157	157	128	90
55°	20	22	38	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°	23046.8	23046.8	23046.8	23046.8	23046.8
2.5°	22894.0	22878.2	22887.2	22898.6	22903.1
5°	22300.0	22278.5	22274.0	22320.4	22301.1
7.5°	21101.7	21071.2	21024.8	21130.0	21228.4
10°	19094.4	19060.4	18959.7	19009.5	19089.9
12.5°	16130.9	16021.2	16018.9	16177.3	16155.8
15°	12219.3	12072.2	12153.7	12114.0	12092.5
17.5°	8217.1	8160.5	8269.1	8236.3	8094.9
20°	5911.1	5925.8	6132.8	6028.7	5903.1
22.5°	4313.4	4366.5	4612.1	4343.9	4245.5
25°	2871.8	2980.4	3238.4	2904.6	2813.0
27.5°	1766.3	1816.1	2077.5	1743.7	1693.9
30°	1098.7	1073.8	1197.1	1027.4	957.3
32.5°	720.8	689.1	728.7	654.0	597.4
35°	482.0	492.2	461.7	458.3	387.0
37.5°	301.0	346.2	305.5	325.9	248.9
40°	194.6	251.2	216.1	238.8	183.3
42.5°	159.5	193.5	177.6	189.0	162.9
45°	126.7	157.3	157.3	157.3	127.9
47.5°	70.2	105.2	134.7	107.5	74.7
50°	39.6	53.2	104.1	55.4	41.9
52.5°	27.2	30.6	71.3	31.7	28.3
55°	20.4	21.5	38.5	22.6	21.5
57.5°	15.8	17.0	20.4	17.0	15.8
60°	12.4	12.4	14.7	13.6	12.4
62.5°	9.1	9.1	10.2	9.1	9.1
65°	6.8	6.8	6.8	6.8	6.8
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.3	2.3	2.3	3.4
72.5°	2.3	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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