

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: P770295

Luminaire Tested: LD6D70BD010-EU6DR3070959030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770295
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: LD6D70BD010-EU6DR3070959030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7198.0 lumens
Efficiency: N/A
Efficacy: 108.1 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

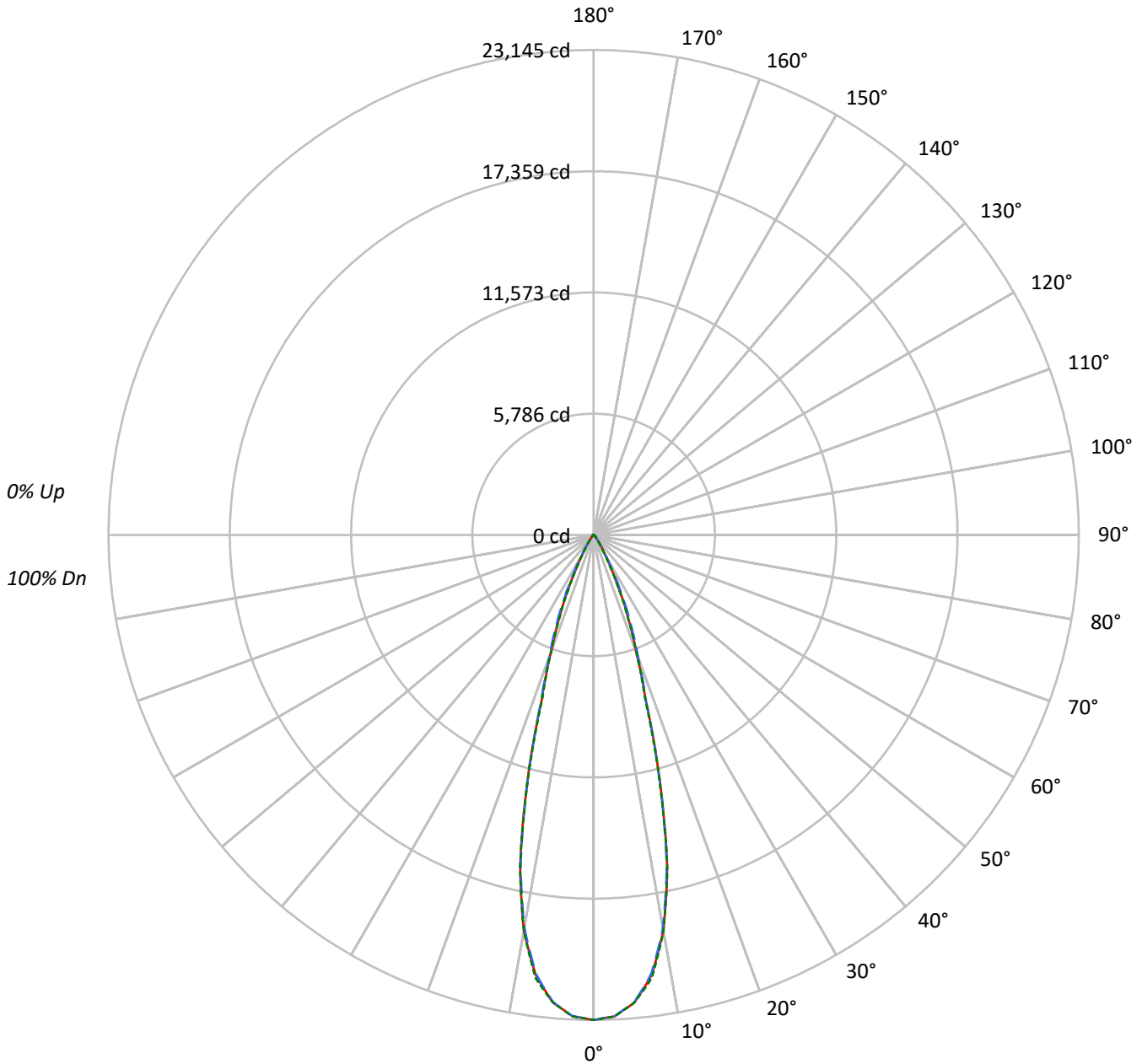
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1771597	1771597	1771597
5°	1720737	1718732	1720829
10°	1490424	1479915	1490066
15°	972429	967207	962342
20°	483546	501686	482894
25°	243572	274669	238581
30°	97524	106265	84964
35°	45235	43320	36312
40°	19534	21683	18395
45°	13780	17103	13899
50°	4739	12444	5001
55°	2736	5151	2883
60°	1914	2266	1914
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: 17103 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2035.3	28.3
10°-20°	3277.8	45.5
20°-30°	1416.4	19.7
30°-40°	322.8	4.5
40°-50°	110.9	1.5
50°-60°	27.1	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°	6729.5	93.5
0°-40°	7052.3	98.0
0°-60°	7190.2	99.9
0°-90°	7198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7198.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23145	23145	23145	23145	23145	
5°	22395	22373	22369	22416	22396	2037
15°	12271	12124	12206	12166	12144	3286
25°	2884	2993	3252	2917	2825	1380
35°	484	494	464	460	389	328
45°	127	158	158	158	128	90
55°	20	22	39	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°	23145.0	23145.0	23145.0	23145.0	23145.0
2.5°	22991.6	22975.7	22984.8	22996.2	23000.7
5°	22395.0	22373.4	22368.9	22415.5	22396.2
7.5°	21191.6	21161.0	21114.4	21220.1	21318.9
10°	19175.8	19141.7	19040.6	19090.6	19171.2
12.5°	16199.7	16089.5	16087.2	16246.3	16224.7
15°	12271.4	12123.6	12205.5	12165.7	12144.1
17.5°	8252.1	8195.3	8304.4	8271.4	8129.4
20°	5936.3	5951.0	6159.0	6054.4	5928.3
22.5°	4331.7	4385.1	4631.7	4362.4	4263.6
25°	2884.0	2993.1	3252.2	2917.0	2824.9
27.5°	1773.8	1823.8	2086.3	1751.1	1701.1
30°	1103.4	1078.4	1202.3	1031.8	961.3
32.5°	723.9	692.0	731.8	656.8	600.0
35°	484.1	494.3	463.6	460.2	388.6
37.5°	302.3	347.7	306.8	327.3	250.0
40°	195.5	252.3	217.0	239.8	184.1
42.5°	160.2	194.3	178.4	189.8	163.6
45°	127.3	158.0	158.0	158.0	128.4
47.5°	70.5	105.7	135.2	108.0	75.0
50°	39.8	53.4	104.5	55.7	42.0
52.5°	27.3	30.7	71.6	31.8	28.4
55°	20.5	21.6	38.6	22.7	21.6
57.5°	15.9	17.0	20.5	17.0	15.9
60°	12.5	12.5	14.8	13.6	12.5
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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