

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: P770293

Luminaire Tested: LD6D70BD010-EU6DR3070959027-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770293
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-EU6DR3070959027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

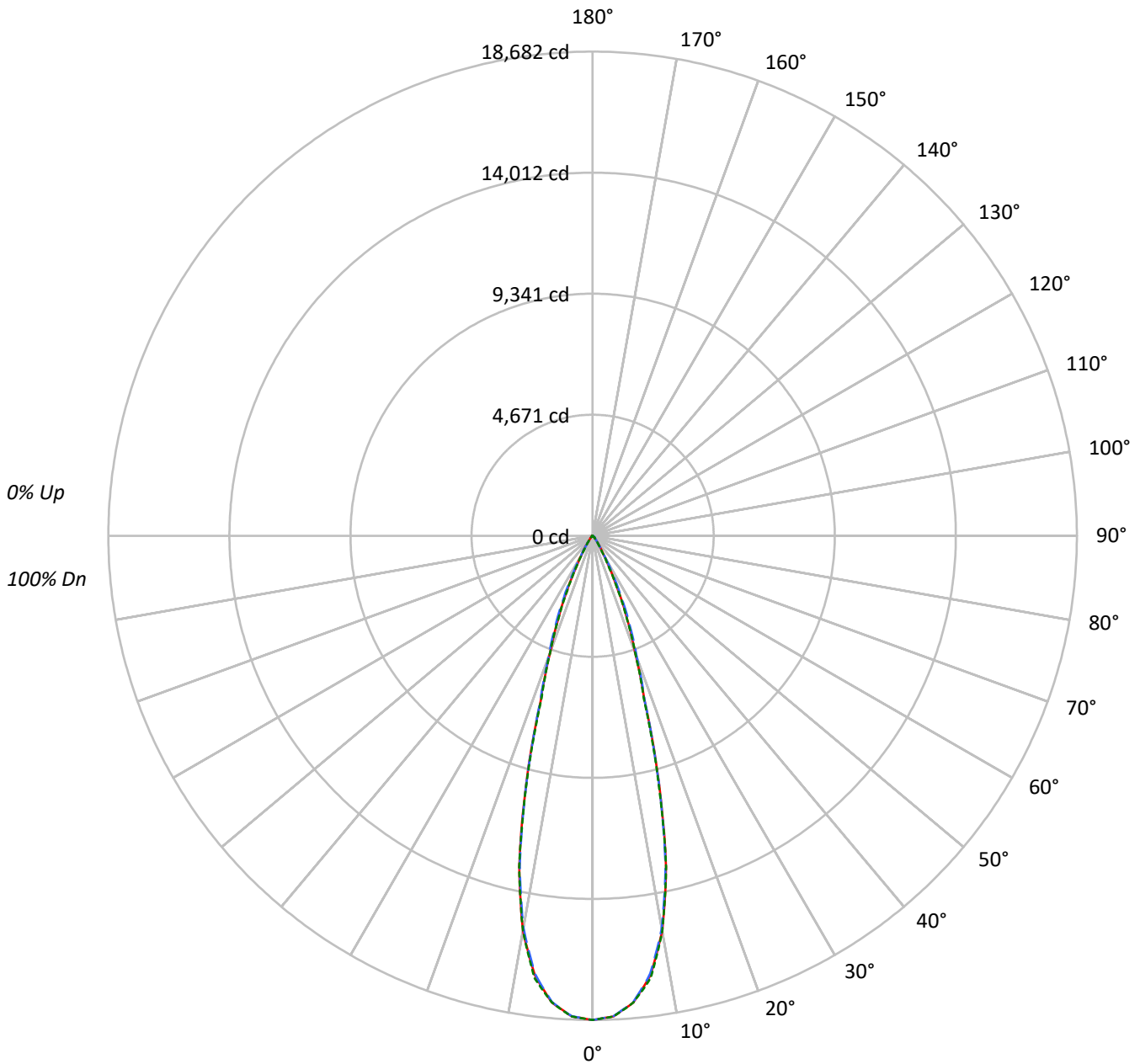
Lumens per Lamp: N/A
Luminaire Lumens: 5810.1 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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	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°	1430007	1430007	1430007
5°	1388953	1387331	1389022
10°	1203046	1194559	1202759
15°	784923	780707	776785
20°	390304	404949	389782
25°	196606	221706	192577
30°	78715	85769	68587
35°	36508	34966	29313
40°	15767	17506	14848
45°	11117	13802	11215
50°	3822	10050	4037
55°	2202	4164	2322
60°	1546	1822	1546
65°	996	996	996
70°	627	403	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13802 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1642.8	28.3
10°-20°	2645.8	45.5
20°-30°	1143.3	19.7
30°-40°	260.6	4.5
40°-50°	89.5	1.5
50°-60°	21.9	0.4
60°-70°	5.7	0.1
70°-80°	0.6	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°	5431.9	93.5
0°-40°	5692.5	98.0
0°-60°	5803.8	99.9
0°-90°	5810.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5810.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18682	18682	18682	18682	18682	
5°	18077	18060	18056	18093	18078	1644
15°	9905	9786	9852	9820	9802	2652
25°	2328	2416	2625	2354	2280	1114
35°	391	399	374	372	314	265
45°	103	128	128	128	104	73
55°	16	17	31	18	17	16
65°	6	6	6	6	6	5
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°	18682.3	18682.3	18682.3	18682.3	18682.3
2.5°	18558.4	18545.6	18552.9	18562.1	18565.8
5°	18076.9	18059.5	18055.8	18093.4	18077.8
7.5°	17105.5	17080.8	17043.2	17128.5	17208.3
10°	15478.4	15450.8	15369.2	15409.6	15474.7
12.5°	13076.1	12987.1	12985.3	13113.7	13096.3
15°	9905.2	9786.0	9852.0	9819.9	9802.5
17.5°	6661.0	6615.1	6703.2	6676.6	6561.9
20°	4791.6	4803.6	4971.4	4887.0	4785.2
22.5°	3496.5	3539.6	3738.7	3521.3	3441.5
25°	2327.9	2416.0	2625.1	2354.5	2280.2
27.5°	1431.8	1472.2	1684.0	1413.5	1373.1
30°	890.6	870.5	970.4	832.9	776.0
32.5°	584.3	558.6	590.7	530.2	484.3
35°	390.7	399.0	374.2	371.5	313.7
37.5°	244.0	280.7	247.7	264.2	201.8
40°	157.8	203.6	175.2	193.5	148.6
42.5°	129.3	156.8	144.0	153.2	132.1
45°	102.7	127.5	127.5	127.5	103.6
47.5°	56.9	85.3	109.2	87.1	60.5
50°	32.1	43.1	84.4	44.9	33.9
52.5°	22.0	24.8	57.8	25.7	22.9
55°	16.5	17.4	31.2	18.3	17.4
57.5°	12.8	13.8	16.5	13.8	12.8
60°	10.1	10.1	11.9	11.0	10.1
62.5°	7.3	7.3	8.3	7.3	7.3
65°	5.5	5.5	5.5	5.5	5.5
67.5°	2.8	3.7	3.7	3.7	3.7
70°	2.8	1.8	1.8	1.8	2.8
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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