

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: P770306

Luminaire Tested: LD6D70BD010-EU6DR3070959030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770306
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-EU6DR3070959030-6LBSQW1B
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

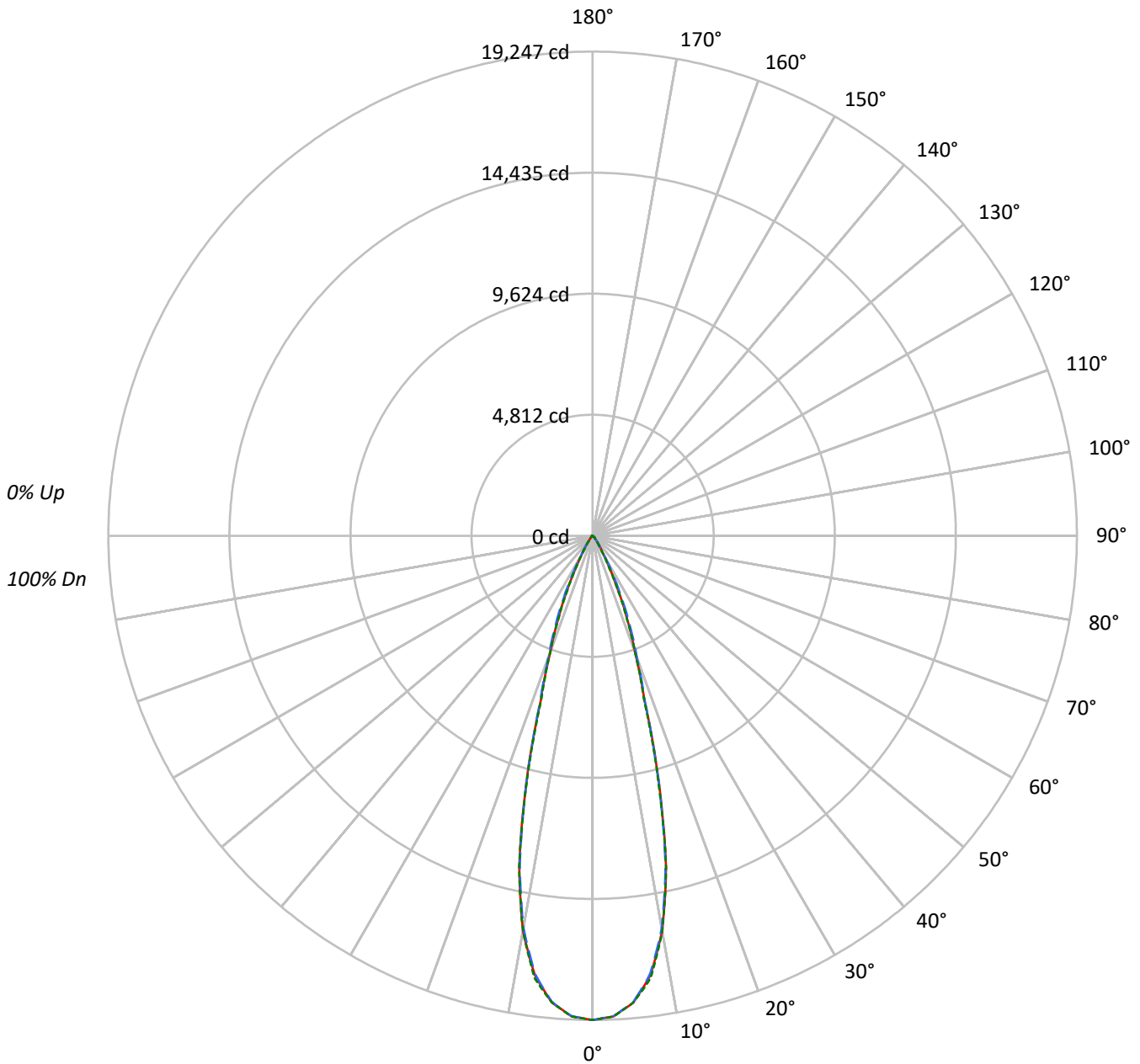
Lumens per Lamp: N/A
Luminaire Lumens: 5985.7 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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°	1473215	1473215	1473215
5°	1430928	1429253	1430997
10°	1239398	1230662	1239103
15°	808649	804306	800257
20°	402098	417192	401561
25°	202552	228412	198405
30°	81102	88367	70655
35°	37620	36022	30201
40°	16237	18036	15298
45°	11453	14213	11561
50°	3942	10348	4168
55°	2269	4284	2402
60°	1592	1883	1592
65°	1032	1032	1032
70°	627	425	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: 14213 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1692.5	28.3
10°-20°	2725.7	45.5
20°-30°	1177.9	19.7
30°-40°	268.5	4.5
40°-50°	92.2	1.5
50°-60°	22.5	0.4
60°-70°	5.9	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°	5596.1	93.5
0°-40°	5864.5	98.0
0°-60°	5979.2	99.9
0°-90°	5985.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5985.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19247	19247	19247	19247	19247	
5°	18623	18605	18601	18640	18624	1694
15°	10205	10082	10150	10117	10099	2732
25°	2398	2489	2704	2426	2349	1148
35°	403	411	386	383	323	273
45°	106	131	131	131	107	75
55°	17	18	32	19	18	17
65°	6	6	6	6	6	6
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°	19246.8	19246.8	19246.8	19246.8	19246.8
2.5°	19119.3	19106.0	19113.6	19123.0	19126.8
5°	18623.2	18605.2	18601.4	18640.2	18624.1
7.5°	17622.5	17596.9	17558.2	17646.1	17728.3
10°	15946.1	15917.8	15833.7	15875.2	15942.3
12.5°	13471.3	13379.6	13377.7	13510.0	13492.1
15°	10204.6	10081.7	10149.8	10116.7	10098.7
17.5°	6862.3	6815.0	6905.7	6878.3	6760.2
20°	4936.4	4948.7	5121.7	5034.7	4929.8
22.5°	3602.2	3646.6	3851.6	3627.7	3545.5
25°	2398.3	2489.0	2704.5	2425.7	2349.2
27.5°	1475.1	1516.7	1734.9	1456.2	1414.6
30°	917.6	896.8	999.8	858.0	799.4
32.5°	601.9	575.5	608.6	546.2	498.9
35°	402.6	411.1	385.5	382.7	323.2
37.5°	251.4	289.2	255.1	272.1	207.9
40°	162.5	209.8	180.5	199.4	153.1
42.5°	133.2	161.6	148.4	157.8	136.1
45°	105.8	131.3	131.3	131.3	106.8
47.5°	58.6	87.9	112.4	89.8	62.4
50°	33.1	44.4	86.9	46.3	35.0
52.5°	22.7	25.5	59.5	26.5	23.6
55°	17.0	18.0	32.1	18.9	18.0
57.5°	13.2	14.2	17.0	14.2	13.2
60°	10.4	10.4	12.3	11.3	10.4
62.5°	7.6	7.6	8.5	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.8	3.8	3.8	3.8	3.8
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	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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