

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: P772633

Luminaire Tested: LD6D85BD010-EU6DR3070959027-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772633
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: LD6D85BD010-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

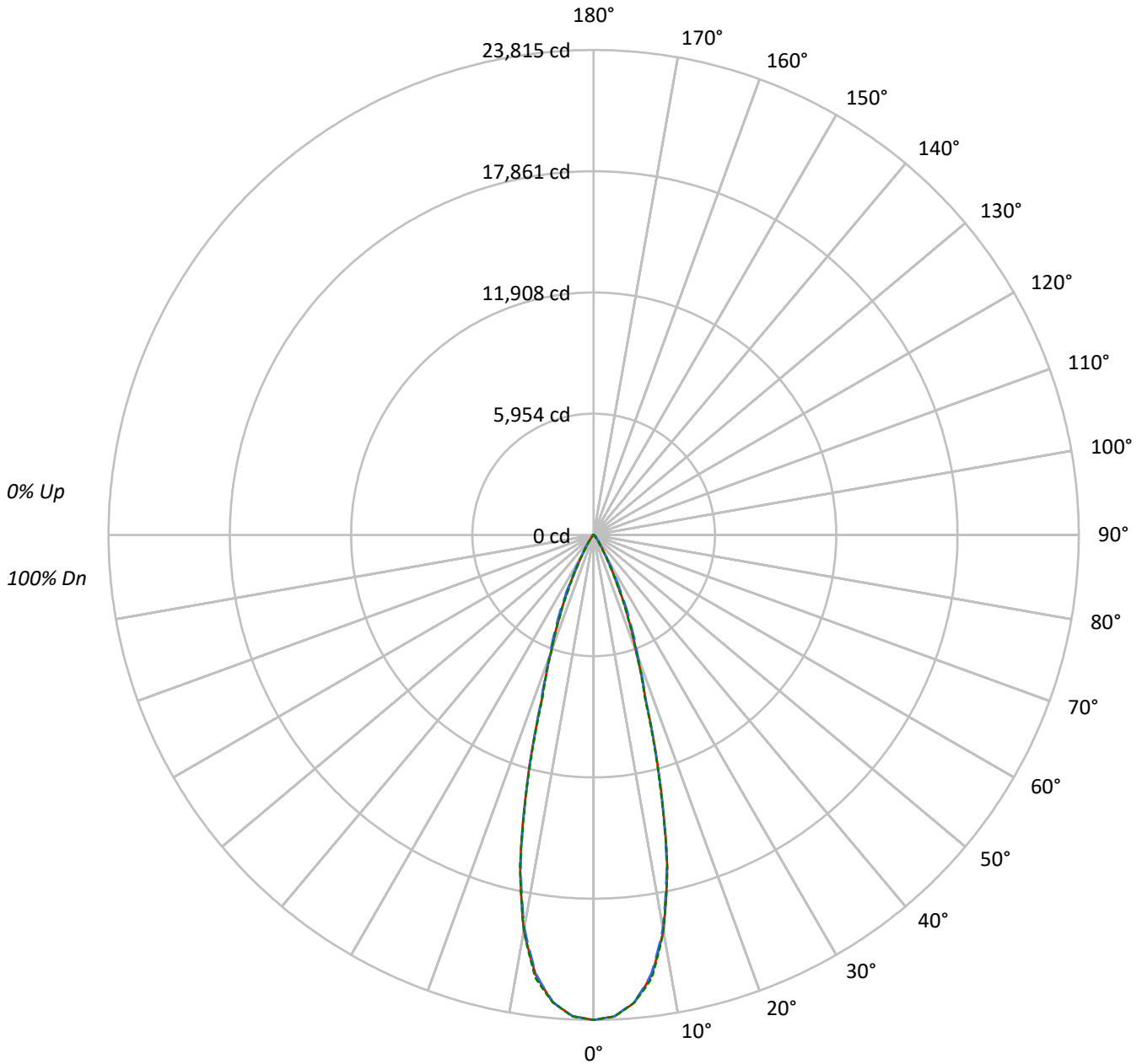
Lumens per Lamp: N/A
Luminaire Lumens: 7406.4 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
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°	1822904	1822904	1822904
5°	1770573	1768506	1770657
10°	1533584	1522773	1533219
15°	1000585	995212	990212
20°	497548	516210	496880
25°	250632	282625	245498
30°	100343	109341	87430
35°	46544	44581	37368
40°	20094	22312	18925
45°	14181	17590	14300
50°	4870	12813	5156
55°	2802	5311	2963
60°	1975	2327	1975
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: 17590 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2094.2	28.3
10°-20°	3372.7	45.5
20°-30°	1457.4	19.7
30°-40°	332.2	4.5
40°-50°	114.1	1.5
50°-60°	27.9	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°	6924.4	93.5
0°-40°	7256.5	98.0
0°-60°	7398.5	99.9
0°-90°	7406.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7406.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23815	23815	23815	23815	23815	
5°	23044	23021	23017	23065	23045	2096
15°	12627	12475	12559	12518	12496	3381
25°	2968	3080	3346	3002	2907	1420
35°	498	509	477	474	400	338
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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23815.3	23815.3	23815.3	23815.3	23815.3
2.5°	23657.4	23641.1	23650.4	23662.1	23666.8
5°	23043.6	23021.4	23016.7	23064.6	23044.7
7.5°	21805.3	21773.8	21725.8	21834.6	21936.3
10°	19731.1	19696.0	19592.0	19643.4	19726.4
12.5°	16668.8	16555.4	16553.1	16716.8	16694.5
15°	12626.7	12474.7	12558.9	12518.0	12495.8
17.5°	8491.1	8432.6	8544.9	8511.0	8364.8
20°	6108.2	6123.4	6337.3	6229.8	6100.0
22.5°	4457.2	4512.1	4765.9	4488.8	4387.0
25°	2967.6	3079.8	3346.4	3001.5	2906.8
27.5°	1825.2	1876.6	2146.7	1801.8	1750.4
30°	1135.3	1109.6	1237.1	1061.7	989.2
32.5°	744.8	712.1	753.0	675.8	617.4
35°	498.1	508.6	477.1	473.5	399.9
37.5°	311.0	357.8	315.7	336.7	257.2
40°	201.1	259.6	223.3	246.7	189.4
42.5°	164.9	199.9	183.6	195.3	168.4
45°	131.0	162.5	162.5	162.5	132.1
47.5°	72.5	108.7	139.1	111.1	77.2
50°	40.9	55.0	107.6	57.3	43.3
52.5°	28.1	31.6	73.7	32.7	29.2
55°	21.0	22.2	39.8	23.4	22.2
57.5°	16.4	17.5	21.0	17.5	16.4
60°	12.9	12.9	15.2	14.0	12.9
62.5°	9.4	9.4	10.5	9.4	9.4
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



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Scaled Data Report





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

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