

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: P771879

Luminaire Tested: LD6D80BD010-EU6DR3070959035-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771879
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-EU6DR3070959035-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

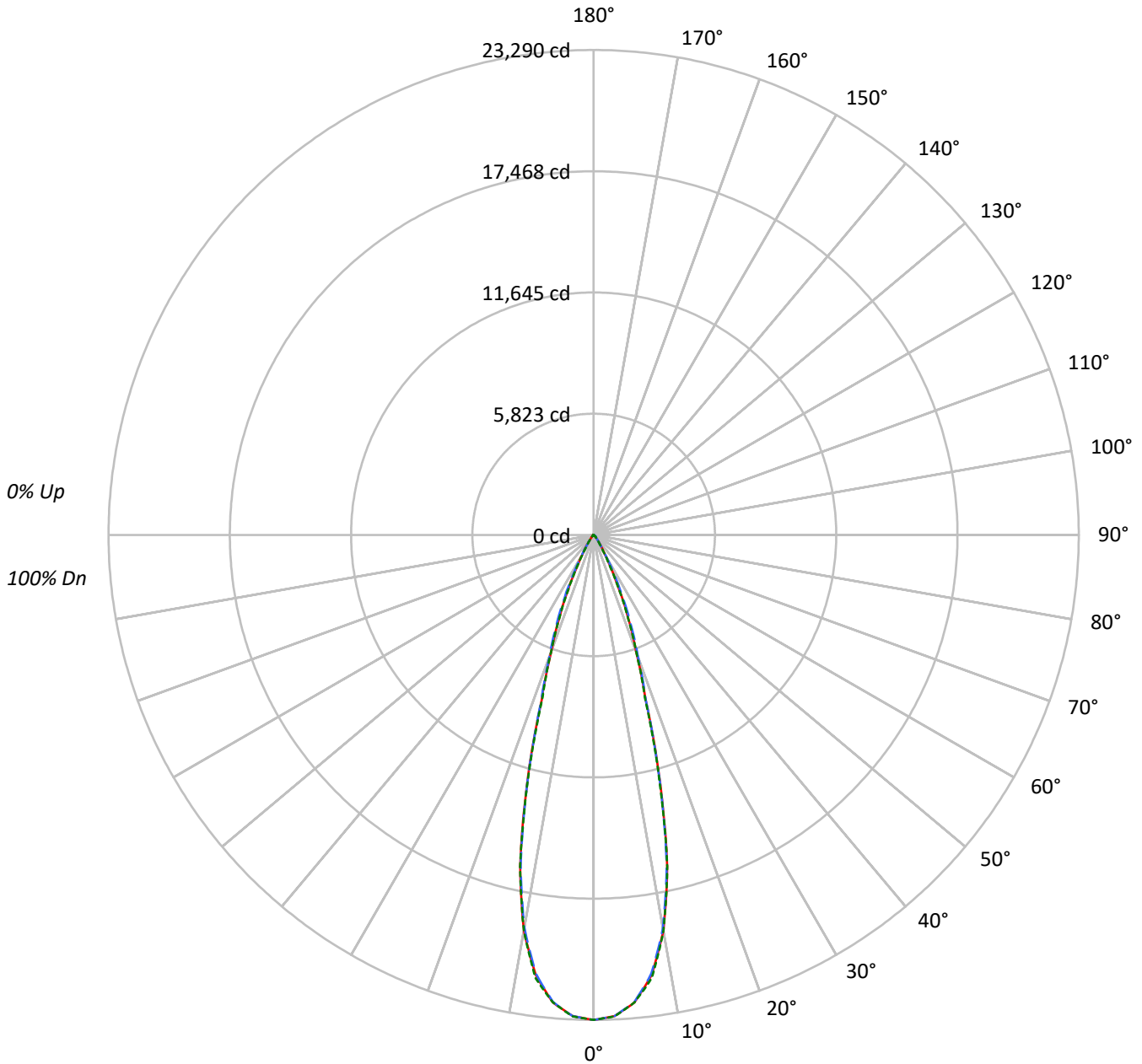
Lumens per Lamp: N/A
Luminaire Lumens: 7242.9 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')

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	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°	1782657	1782657	1782657
5°	1731487	1729466	1731571
10°	1499727	1489157	1499370
15°	978499	973246	968348
20°	486560	504814	485908
25°	245092	276383	240075
30°	98134	106928	85495
35°	45516	43591	36545
40°	19654	21823	18505
45°	13867	17201	13986
50°	4763	12527	5037
55°	2749	5191	2896
60°	1929	2281	1929
65°	1250	1250	1250
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: 17201 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2048.0	28.3
10°-20°	3298.3	45.5
20°-30°	1425.3	19.7
30°-40°	324.8	4.5
40°-50°	111.5	1.5
50°-60°	27.3	0.4
60°-70°	7.1	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°	6771.5	93.5
0°-40°	7096.3	98.0
0°-60°	7235.1	99.9
0°-90°	7242.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7242.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23290	23290	23290	23290	23290	
5°	22535	22513	22509	22556	22536	2050
15°	12348	12199	12282	12242	12220	3306
25°	2902	3012	3272	2935	2843	1389
35°	487	497	466	463	391	330
45°	128	159	159	159	129	91
55°	21	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°	23289.5	23289.5	23289.5	23289.5	23289.5
2.5°	23135.2	23119.2	23128.3	23139.8	23144.3
5°	22534.9	22513.2	22508.6	22555.5	22536.0
7.5°	21324.0	21293.1	21246.2	21352.6	21452.0
10°	19295.5	19261.2	19159.5	19209.8	19290.9
12.5°	16300.9	16189.9	16187.7	16347.7	16326.0
15°	12348.0	12199.3	12281.7	12241.6	12219.9
17.5°	8303.6	8246.5	8356.2	8323.1	8180.2
20°	5973.3	5988.2	6197.4	6092.2	5965.3
22.5°	4358.8	4412.5	4660.7	4389.7	4290.2
25°	2902.0	3011.8	3272.5	2935.2	2842.6
27.5°	1784.9	1835.2	2099.4	1762.0	1711.7
30°	1110.3	1085.1	1209.8	1038.2	967.3
32.5°	728.4	696.4	736.4	660.9	603.7
35°	487.1	497.4	466.5	463.1	391.1
37.5°	304.2	349.9	308.7	329.3	251.6
40°	196.7	253.8	218.4	241.3	185.2
42.5°	161.2	195.5	179.5	191.0	164.7
45°	128.1	158.9	158.9	158.9	129.2
47.5°	70.9	106.3	136.1	108.6	75.5
50°	40.0	53.7	105.2	56.0	42.3
52.5°	27.4	30.9	72.0	32.0	28.6
55°	20.6	21.7	38.9	22.9	21.7
57.5°	16.0	17.2	20.6	17.2	16.0
60°	12.6	12.6	14.9	13.7	12.6
62.5°	9.1	9.1	10.3	9.1	9.1
65°	6.9	6.9	6.9	6.9	6.9
67.5°	3.4	4.6	4.6	4.6	4.6
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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