

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P773413

Luminaire Tested: LD6D90BD010-EU6DR3070959027-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773413
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: LD6D90BD010-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: 7857.2 lumens
Efficiency: N/A
Efficacy: 79.4 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

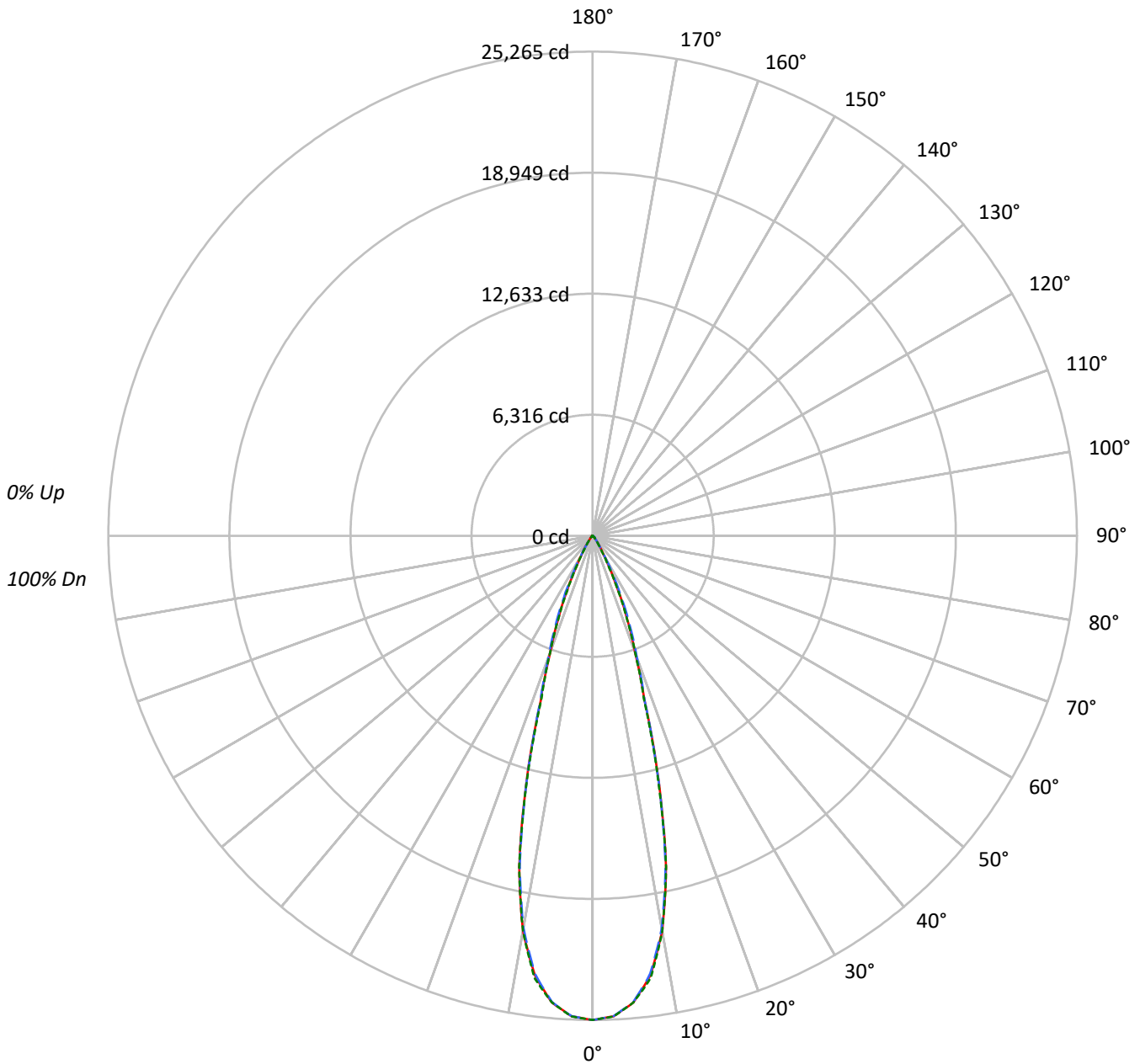
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1933846	1933846	1933846
5°	1878335	1876138	1878427
10°	1626923	1615451	1626534
15°	1061483	1055786	1050476
20°	527825	547627	527117
25°	265885	299828	260438
30°	106451	115996	92751
35°	49375	47291	39638
40°	21323	23671	20074
45°	15036	18662	15176
50°	5168	13587	5466
55°	2976	5632	3149
60°	2082	2465	2082
65°	1340	1340	1340
70°	828	559	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 18662 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2221.7	28.3
10°-20°	3578.0	45.5
20°-30°	1546.1	19.7
30°-40°	352.4	4.5
40°-50°	121.0	1.5
50°-60°	29.6	0.4
60°-70°	7.7	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°	7345.8	93.5
0°-40°	7698.2	98.0
0°-60°	7848.7	99.9
0°-90°	7857.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7857.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25265	25265	25265	25265	25265	
5°	24446	24422	24418	24468	24447	2223
15°	13395	13234	13323	13280	13256	3587
25°	3148	3267	3550	3184	3084	1507
35°	528	540	506	502	424	358
45°	139	172	172	172	140	99
55°	22	24	42	25	24	22
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°	25264.7	25264.7	25264.7	25264.7	25264.7
2.5°	25097.3	25079.9	25089.8	25102.2	25107.2
5°	24446.1	24422.5	24417.5	24468.4	24447.3
7.5°	23132.5	23099.0	23048.1	23163.5	23271.4
10°	20932.0	20894.8	20784.4	20838.9	20927.0
12.5°	17683.3	17563.0	17560.5	17734.2	17710.6
15°	13395.2	13234.0	13323.3	13279.9	13256.3
17.5°	9007.9	8945.9	9064.9	9029.0	8873.9
20°	6479.9	6496.0	6723.0	6608.9	6471.2
22.5°	4728.5	4786.8	5055.9	4761.9	4654.0
25°	3148.2	3267.2	3550.1	3184.1	3083.7
27.5°	1936.3	1990.9	2277.4	1911.5	1856.9
30°	1204.4	1177.2	1312.4	1126.3	1049.4
32.5°	790.1	755.4	798.8	717.0	654.9
35°	528.4	539.6	506.1	502.4	424.2
37.5°	329.9	379.6	334.9	357.2	272.9
40°	213.4	275.4	236.9	261.7	200.9
42.5°	174.9	212.1	194.7	207.1	178.6
45°	138.9	172.4	172.4	172.4	140.2
47.5°	76.9	115.4	147.6	117.8	81.9
50°	43.4	58.3	114.1	60.8	45.9
52.5°	29.8	33.5	78.1	34.7	31.0
55°	22.3	23.6	42.2	24.8	23.6
57.5°	17.4	18.6	22.3	18.6	17.4
60°	13.6	13.6	16.1	14.9	13.6
62.5°	9.9	9.9	11.2	9.9	9.9
65°	7.4	7.4	7.4	7.4	7.4
67.5°	3.7	5.0	5.0	5.0	5.0
70°	3.7	2.5	2.5	2.5	3.7
72.5°	2.5	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

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Scaled Data Report





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

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