

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: P771883

Luminaire Tested: LD6D80BD010-EU6DR3070959040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771883
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-EU6DR3070959040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

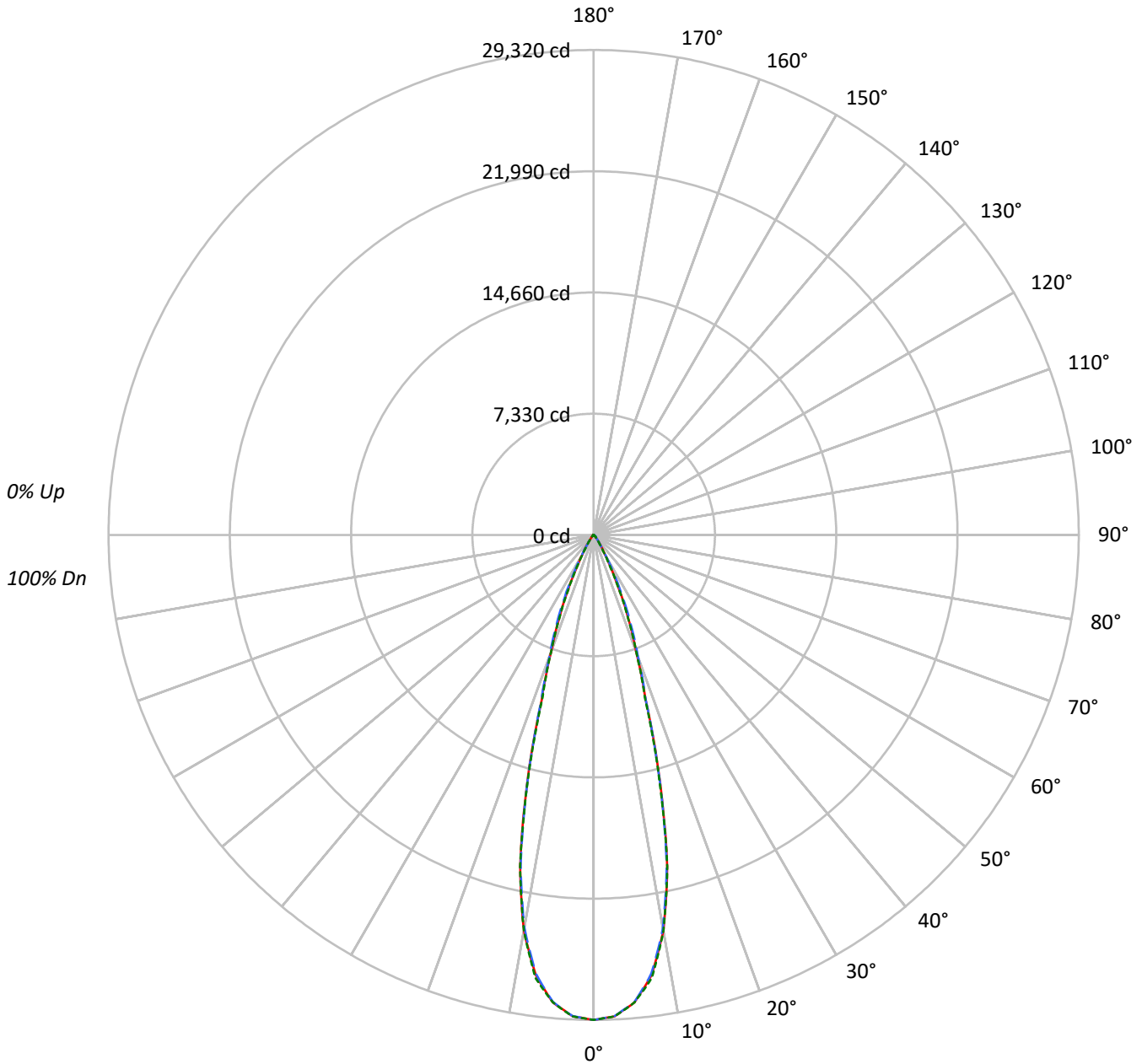
Lumens per Lamp: N/A
Luminaire Lumens: 9118.5 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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	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°	2244291	2244291	2244291
5°	2179862	2177319	2179977
10°	1888092	1874778	1887641
15°	1231889	1225272	1219107
20°	612556	635542	611741
25°	308561	347960	302244
30°	123544	134610	107635
35°	57299	54879	46002
40°	24740	27478	23301
45°	17450	21661	17612
50°	6002	15766	6347
55°	3456	6526	3657
60°	2419	2863	2419
65°	1558	1558	1558
70°	962	649	962
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 21661 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2578.3	28.3
10°-20°	4152.4	45.5
20°-30°	1794.3	19.7
30°-40°	409.0	4.5
40°-50°	140.4	1.5
50°-60°	34.3	0.4
60°-70°	8.9	0.1
70°-80°	0.9	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°	8525.0	93.5
0°-40°	8934.0	98.0
0°-60°	9108.7	99.9
0°-90°	9118.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9118.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29320	29320	29320	29320	29320	
5°	28370	28343	28337	28396	28372	2580
15°	15546	15358	15462	15412	15384	4163
25°	3654	3792	4120	3695	3579	1749
35°	613	626	587	583	492	416
45°	161	200	200	200	163	114
55°	26	27	49	29	27	25
65°	9	9	9	9	9	8
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°	29320.5	29320.5	29320.5	29320.5	29320.5
2.5°	29126.2	29106.0	29117.5	29131.9	29137.7
5°	28370.4	28343.1	28337.3	28396.3	28371.9
7.5°	26845.9	26807.1	26748.1	26881.9	27007.2
10°	24292.2	24249.0	24120.9	24184.2	24286.4
12.5°	20522.1	20382.4	20379.5	20581.1	20553.7
15°	15545.6	15358.4	15462.1	15411.7	15384.3
17.5°	10453.9	10381.9	10520.1	10478.4	10298.5
20°	7520.1	7538.9	7802.3	7669.9	7510.1
22.5°	5487.5	5555.2	5867.6	5526.4	5401.1
25°	3653.5	3791.7	4120.0	3695.3	3578.7
27.5°	2247.1	2310.5	2643.0	2218.3	2155.0
30°	1397.8	1366.1	1523.0	1307.1	1217.8
32.5°	917.0	876.7	927.1	832.1	760.1
35°	613.2	626.2	587.3	583.0	492.3
37.5°	382.9	440.5	388.7	414.6	316.7
40°	247.6	319.6	275.0	303.7	233.2
42.5°	203.0	246.2	226.0	240.4	207.3
45°	161.2	200.1	200.1	200.1	162.7
47.5°	89.3	133.9	171.3	136.8	95.0
50°	50.4	67.7	132.4	70.5	53.3
52.5°	34.5	38.9	90.7	40.3	36.0
55°	25.9	27.4	48.9	28.8	27.4
57.5°	20.2	21.6	25.9	21.6	20.2
60°	15.8	15.8	18.7	17.3	15.8
62.5°	11.5	11.5	13.0	11.5	11.5
65°	8.6	8.6	8.6	8.6	8.6
67.5°	4.3	5.8	5.8	5.8	5.8
70°	4.3	2.9	2.9	2.9	4.3
72.5°	2.9	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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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