

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: P771857

Luminaire Tested: LD6D80BD010-EU6DR3070959030-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771857
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-EU6DR3070959030-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8620.5 lumens
Efficiency: N/A
Efficacy: 109.3 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')

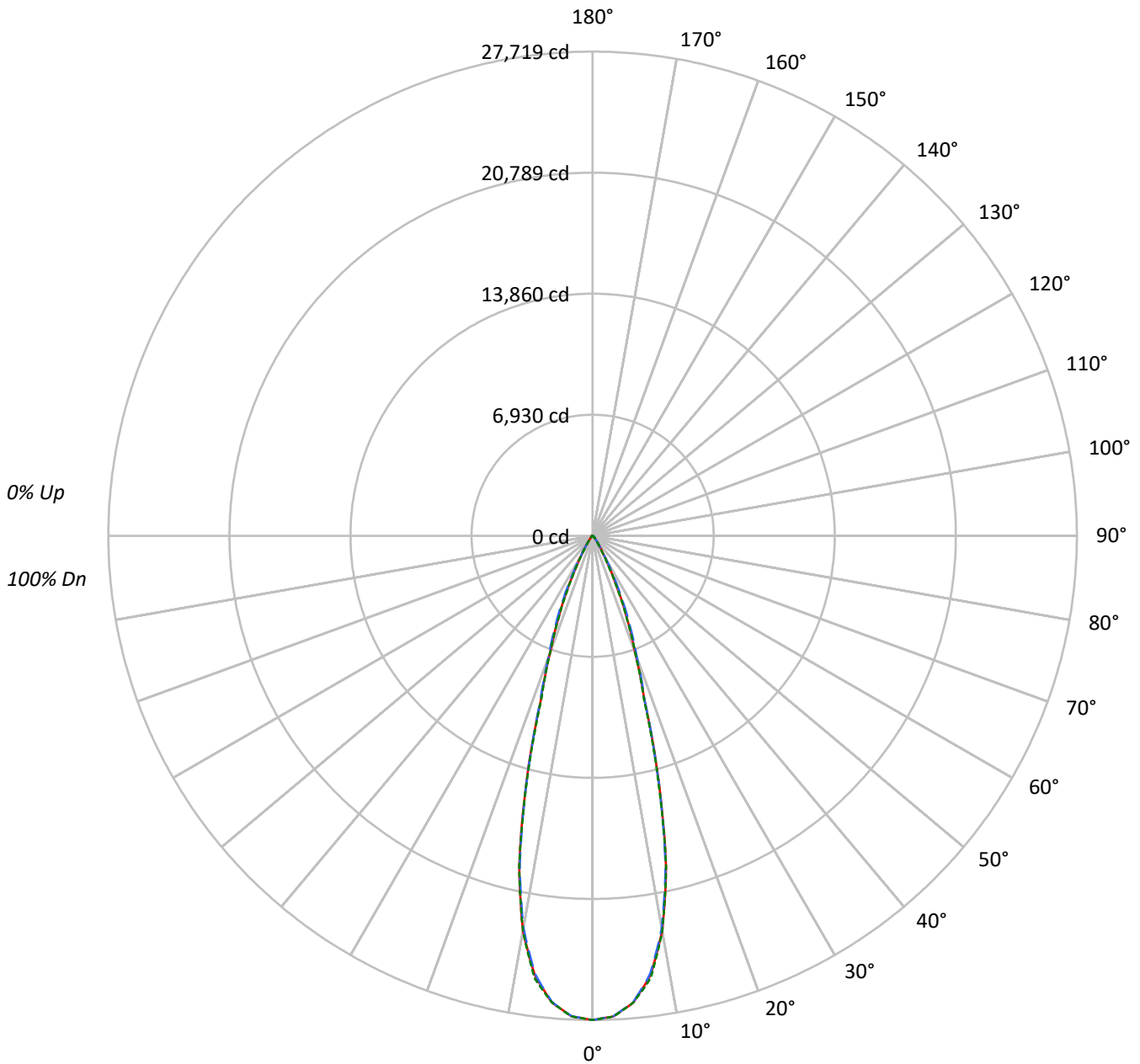
CIE Type: Direct

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



TEST NUMBER: P771857
CATALOG NUMBER: LD6D80BD010-EU6DR3070959030-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P771857

CATALOG NUMBER: LD6D80BD010-EU6DR3070959030-6LBCSSQMW

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°	2121706	2121706	2121706
5°	2060797	2058392	2060897
10°	1784960	1772376	1784540
15°	1164595	1158343	1152518
20°	579102	600826	578328
25°	291712	328949	285733
30°	116792	127256	101757
35°	54168	51888	43488
40°	23391	25969	22032
45°	16497	20481	16649
50°	5668	14909	6002
55°	3270	6179	3456
60°	2296	2710	2296
65°	1485	1485	1485
70°	918	604	918
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 20481 cd/sqm



TEST NUMBER: P771857

CATALOG NUMBER: LD6D80BD010-EU6DR3070959030-6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2437.5	28.3
10°-20°	3925.6	45.5
20°-30°	1696.3	19.7
30°-40°	386.6	4.5
40°-50°	132.8	1.5
50°-60°	32.4	0.4
60°-70°	8.4	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°	8059.4	93.5
0°-40°	8446.0	98.0
0°-60°	8611.2	99.9
0°-90°	8620.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8620.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27719	27719	27719	27719	27719	
5°	26821	26795	26790	26845	26822	2439
15°	14696	14520	14618	14570	14544	3935
25°	3454	3585	3895	3493	3383	1653
35°	580	592	555	551	465	393
45°	152	189	189	189	154	108
55°	24	26	46	27	26	24
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P771857

CATALOG NUMBER: LD6D80BD010-EU6DR3070959030-6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	27719.0	27719.0	27719.0	27719.0	27719.0
2.5°	27535.2	27516.2	27527.1	27540.7	27546.1
5°	26820.8	26794.9	26789.5	26845.3	26822.1
7.5°	25379.6	25342.8	25287.0	25413.6	25532.0
10°	22965.3	22924.5	22803.4	22863.2	22959.9
12.5°	19401.1	19269.1	19266.4	19456.9	19431.0
15°	14696.4	14519.5	14617.5	14569.9	14544.0
17.5°	9882.9	9814.9	9945.5	9906.0	9735.9
20°	7109.4	7127.1	7376.1	7250.9	7099.9
22.5°	5187.8	5251.7	5547.1	5224.5	5106.1
25°	3454.0	3584.6	3894.9	3493.4	3383.2
27.5°	2124.4	2184.3	2498.6	2097.2	2037.3
30°	1321.4	1291.5	1439.8	1235.7	1151.3
32.5°	866.9	828.8	876.4	786.6	718.6
35°	579.7	592.0	555.3	551.2	465.4
37.5°	362.0	416.4	367.4	391.9	299.4
40°	234.1	302.1	259.9	287.2	220.5
42.5°	191.9	232.7	213.7	227.3	196.0
45°	152.4	189.2	189.2	189.2	153.8
47.5°	84.4	126.6	161.9	129.3	89.8
50°	47.6	64.0	125.2	66.7	50.4
52.5°	32.7	36.7	85.7	38.1	34.0
55°	24.5	25.9	46.3	27.2	25.9
57.5°	19.1	20.4	24.5	20.4	19.1
60°	15.0	15.0	17.7	16.3	15.0
62.5°	10.9	10.9	12.2	10.9	10.9
65°	8.2	8.2	8.2	8.2	8.2
67.5°	4.1	5.4	5.4	5.4	5.4
70°	4.1	2.7	2.7	2.7	4.1
72.5°	2.7	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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





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

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)