

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: P771894

Luminaire Tested: LD6D80BD010-EU6DR3070959050-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771894
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-EU6DR3070959050-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9182.2 lumens
Efficiency: N/A
Efficacy: 116.4 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

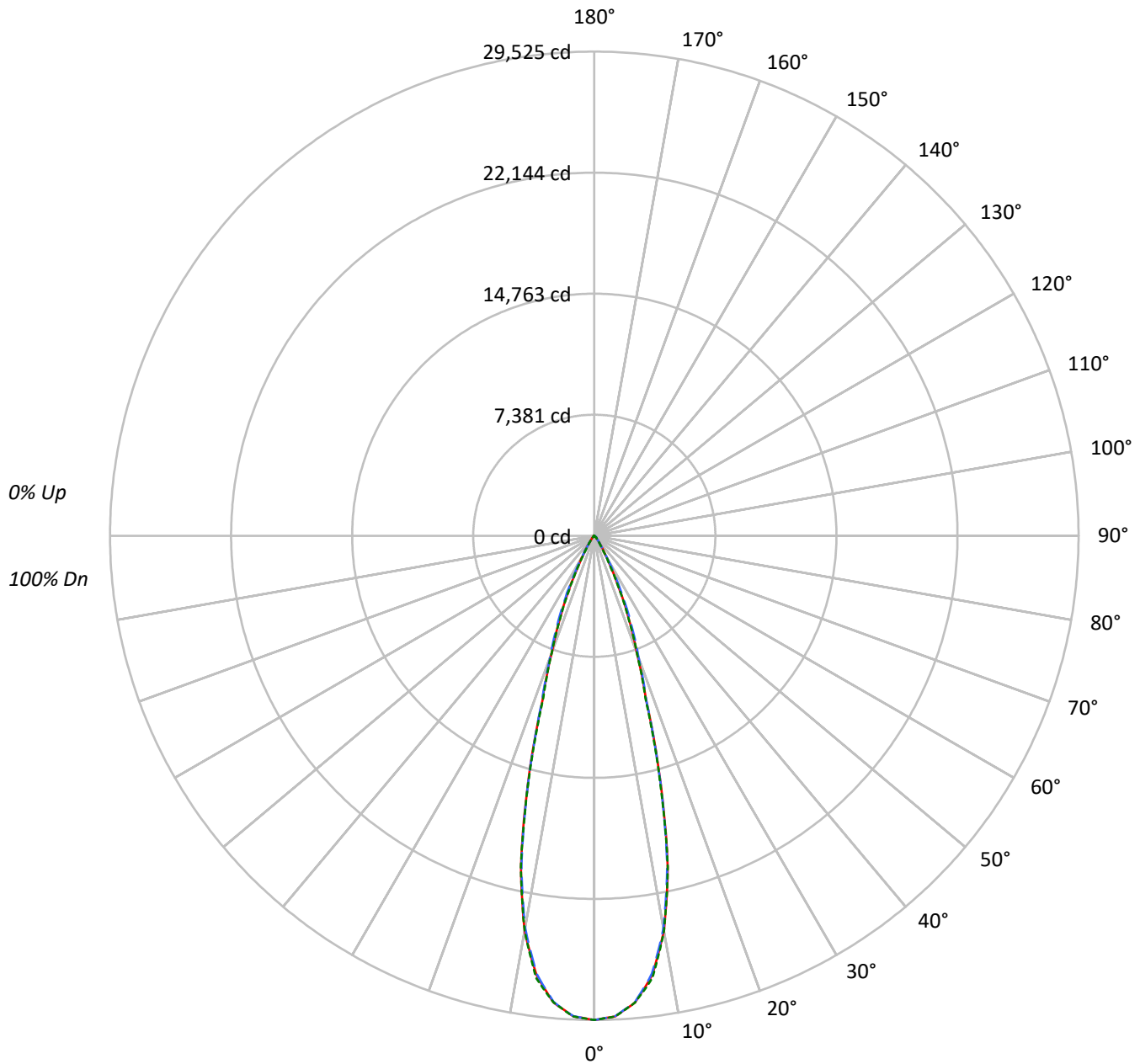
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	98	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	94	89	86	98	93	89	86	91	88	85		90	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	94	87	82	79	92	86	82	79	85	81	78		84	81	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2259967	2259967	2259967
5°	2195091	2192524	2195198
10°	1901282	1887874	1900831
15°	1240487	1233830	1227625
20°	616840	639982	616009
25°	310723	350384	304355
30°	124410	135556	108395
35°	57701	55262	46329
40°	24910	27668	23461
45°	17580	21812	17731
50°	6037	15885	6383
55°	3483	6579	3670
60°	2434	2878	2434
65°	1576	1576	1576
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: 21812 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2596.3	28.3
10°-20°	4181.4	45.5
20°-30°	1806.9	19.7
30°-40°	411.8	4.5
40°-50°	141.4	1.5
50°-60°	34.5	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°	8584.6	93.5
0°-40°	8996.4	98.0
0°-60°	9172.3	99.9
0°-90°	9182.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9182.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29525	29525	29525	29525	29525	
5°	28569	28541	28535	28595	28570	2598
15°	15654	15466	15570	15519	15492	4192
25°	3679	3818	4149	3721	3604	1761
35°	618	631	591	587	496	419
45°	162	202	202	202	164	115
55°	26	28	49	29	28	25
65°	9	9	9	9	9	9
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	29525.3	29525.3	29525.3	29525.3	29525.3
2.5°	29329.6	29309.3	29320.9	29335.4	29341.2
5°	28568.6	28541.0	28535.2	28594.7	28570.0
7.5°	27033.4	26994.3	26934.9	27069.7	27195.8
10°	24461.9	24418.4	24289.4	24353.1	24456.1
12.5°	20665.4	20524.8	20521.9	20724.8	20697.3
15°	15654.1	15465.7	15570.1	15519.3	15491.8
17.5°	10526.9	10454.5	10593.6	10551.6	10370.4
20°	7572.7	7591.5	7856.8	7723.4	7562.5
22.5°	5525.8	5594.0	5908.5	5565.0	5438.9
25°	3679.1	3818.2	4148.7	3721.1	3603.7
27.5°	2262.8	2326.6	2661.5	2233.8	2170.0
30°	1407.6	1375.7	1533.7	1316.2	1226.4
32.5°	923.4	882.8	933.5	837.9	765.4
35°	617.5	630.6	591.4	587.1	495.8
37.5°	385.6	443.6	391.4	417.5	318.9
40°	249.3	321.8	276.9	305.9	234.8
42.5°	204.4	247.9	227.6	242.1	208.7
45°	162.4	201.5	201.5	201.5	163.8
47.5°	89.9	134.8	172.5	137.7	95.7
50°	50.7	68.1	133.4	71.0	53.6
52.5°	34.8	39.1	91.3	40.6	36.2
55°	26.1	27.5	49.3	29.0	27.5
57.5°	20.3	21.7	26.1	21.7	20.3
60°	15.9	15.9	18.8	17.4	15.9
62.5°	11.6	11.6	13.0	11.6	11.6
65°	8.7	8.7	8.7	8.7	8.7
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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)