

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: CORELITE

Report Number: P601092

Luminaire Tested: 22D3X-LP-30-L830

Issue Date: 10/5/2023

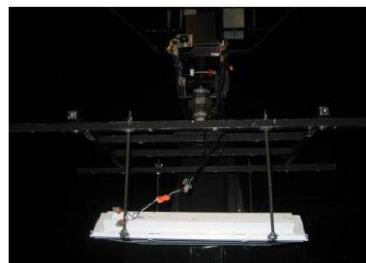
Test Information

Test Method: LM-79-2019
Report Number: P601092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22D3X-LP-30-L830
Description: 2x2 D3X-LP AT 3000LM 3000K 80CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

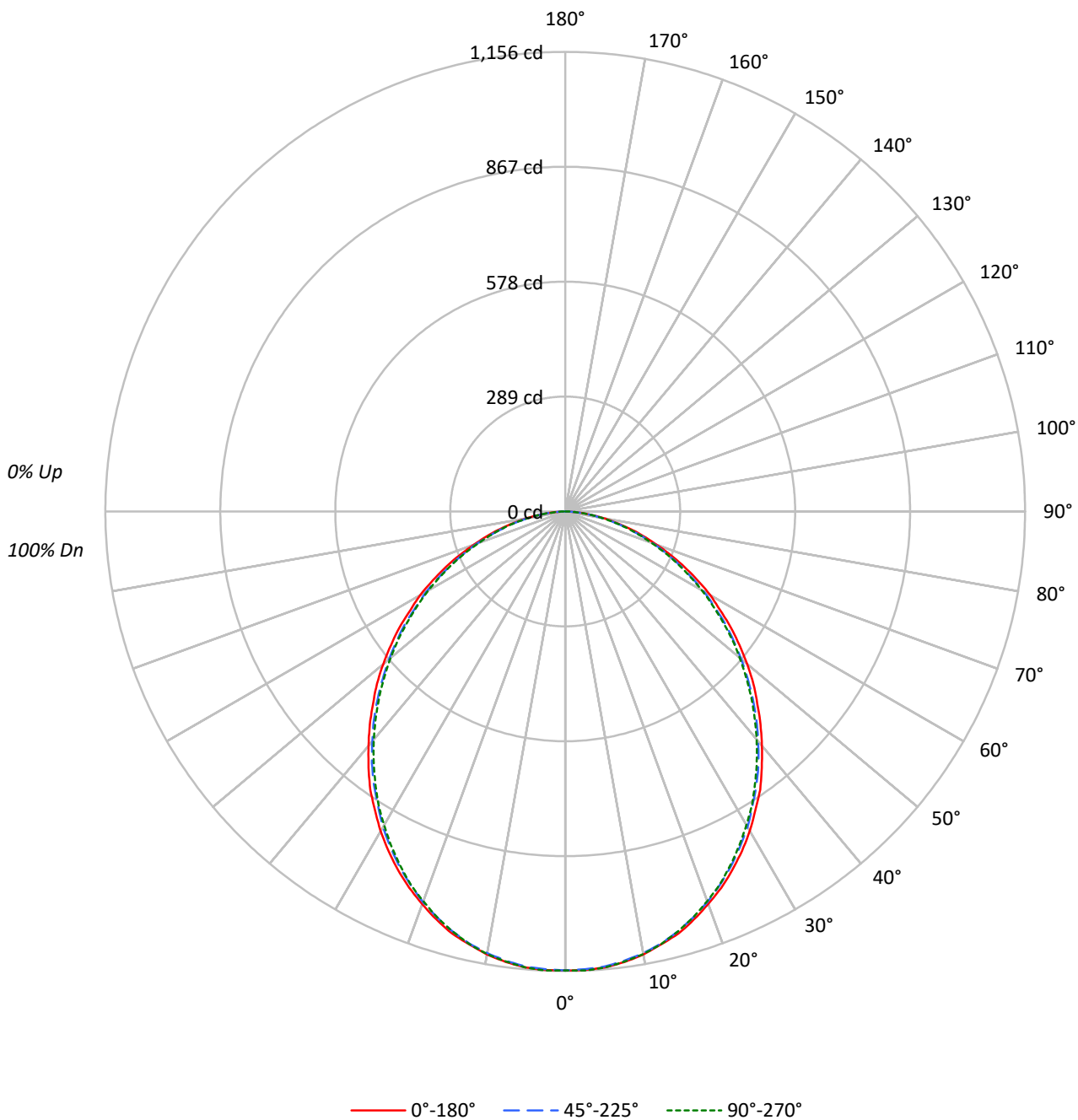
Lumens per Lamp: N/A
Luminaire Lumens: 2885.0 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.6
Input Voltage (V): 120
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	0
RW	70	50	30	10	70	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	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3107	3107	3107
5°	3109	3103	3109
10°	3092	3083	3089
15°	3063	3047	3047
20°	3010	2993	2987
25°	2953	2926	2916
30°	2884	2848	2830
35°	2807	2754	2735
40°	2702	2650	2630
45°	2599	2538	2516
50°	2498	2417	2398
55°	2385	2298	2266
60°	2265	2166	2135
65°	2109	2006	1984
70°	1927	1854	1810
75°	1757	1650	1661
80°	1514	1426	1443
85°	1170	1136	1065

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2599 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	3.8
10°-20°	308.4	10.7
20°-30°	454.2	15.7
30°-40°	525.4	18.2
40°-50°	516.5	17.9
50°-60°	440.2	15.3
60°-70°	315.4	10.9
70°-80°	171.3	5.9
80°-90°	44.7	1.5
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°	871.6	30.2
0°-40°	1397.0	48.4
0°-60°	2353.6	81.6
0°-90°	2885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2885.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1154	1154	1154	1154	1154	
5°	1151	1149	1149	1149	1151	109
15°	1099	1095	1094	1092	1094	309
25°	995	990	986	983	982	458
35°	854	848	838	834	832	533
45°	683	678	667	661	661	528
55°	508	499	490	484	483	454
65°	331	324	315	312	312	328
75°	169	163	159	156	160	179
85°	38	38	37	36	34	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1154.5	1154.5	1154.5	1154.5	<i>1154.5</i>
2.5°	<i>1154.5</i>	<i>1153.4</i>	<i>1152.2</i>	<i>1153.4</i>	<i>1155.7</i>
5°	1151.1	1148.8	1148.8	1148.8	<i>1151.1</i>
7.5°	1143.0	1140.7	1139.6	1140.7	<i>1141.9</i>
10°	1131.5	1129.2	1128.1	1129.2	<i>1130.4</i>
12.5°	1115.4	1114.3	1113.1	1113.1	<i>1114.3</i>
15°	1099.3	1094.7	1093.6	1092.4	<i>1093.6</i>
17.5°	1076.3	1075.2	1070.6	1070.6	<i>1070.6</i>
20°	1051.0	1048.7	1045.3	1043.0	<i>1043.0</i>
22.5°	1024.6	1022.3	1016.5	1014.2	<i>1015.4</i>
25°	994.7	990.1	985.5	983.2	<i>982.0</i>
27.5°	962.5	957.9	951.0	947.5	<i>947.5</i>
30°	928.0	924.5	916.5	911.9	<i>910.7</i>
32.5°	890.0	887.7	876.2	873.9	<i>873.9</i>
35°	854.4	847.5	838.3	833.7	<i>832.5</i>
37.5°	811.8	807.2	798.0	792.3	<i>791.1</i>
40°	769.3	763.5	754.3	749.7	<i>748.6</i>
42.5°	726.7	721.0	711.8	706.0	<i>704.9</i>
45°	683.0	678.4	666.9	661.2	<i>661.2</i>
47.5°	641.6	632.4	622.1	617.5	<i>616.3</i>
50°	596.8	588.8	577.3	572.7	<i>572.7</i>
52.5°	552.0	546.2	533.6	531.3	<i>529.0</i>
55°	508.3	499.1	489.9	484.1	<i>483.0</i>
57.5°	461.1	453.1	443.9	439.3	<i>439.3</i>
60°	420.9	410.5	402.5	396.7	<i>396.7</i>
62.5°	374.9	365.7	357.6	354.2	<i>353.0</i>
65°	331.2	324.3	315.1	311.6	<i>311.6</i>
67.5°	287.5	281.7	273.7	270.2	<i>271.4</i>
70°	244.9	241.5	235.7	231.1	<i>230.0</i>
72.5°	205.8	201.2	195.5	194.3	<i>194.3</i>
75°	169.0	163.3	158.7	156.4	<i>159.8</i>
77.5°	131.1	127.6	125.3	124.2	<i>125.3</i>
80°	97.7	93.1	92.0	93.1	<i>93.1</i>
82.5°	67.8	65.5	64.4	64.4	<i>64.4</i>
85°	37.9	37.9	36.8	35.6	<i>34.5</i>
87.5°	14.9	14.9	16.1	16.1	<i>17.2</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)