

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: P601101

Luminaire Tested: 22D3X-LP-35-L930

Issue Date: 10/5/2023

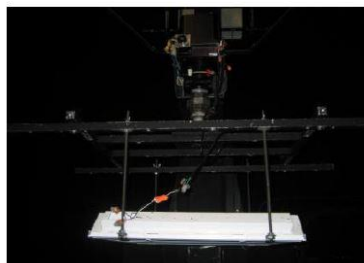
Test Information

Test Method: LM-79-2019
Report Number: P601101
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-35-L930
Description: 2x2 D3X-LP AT 3500LM 3000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

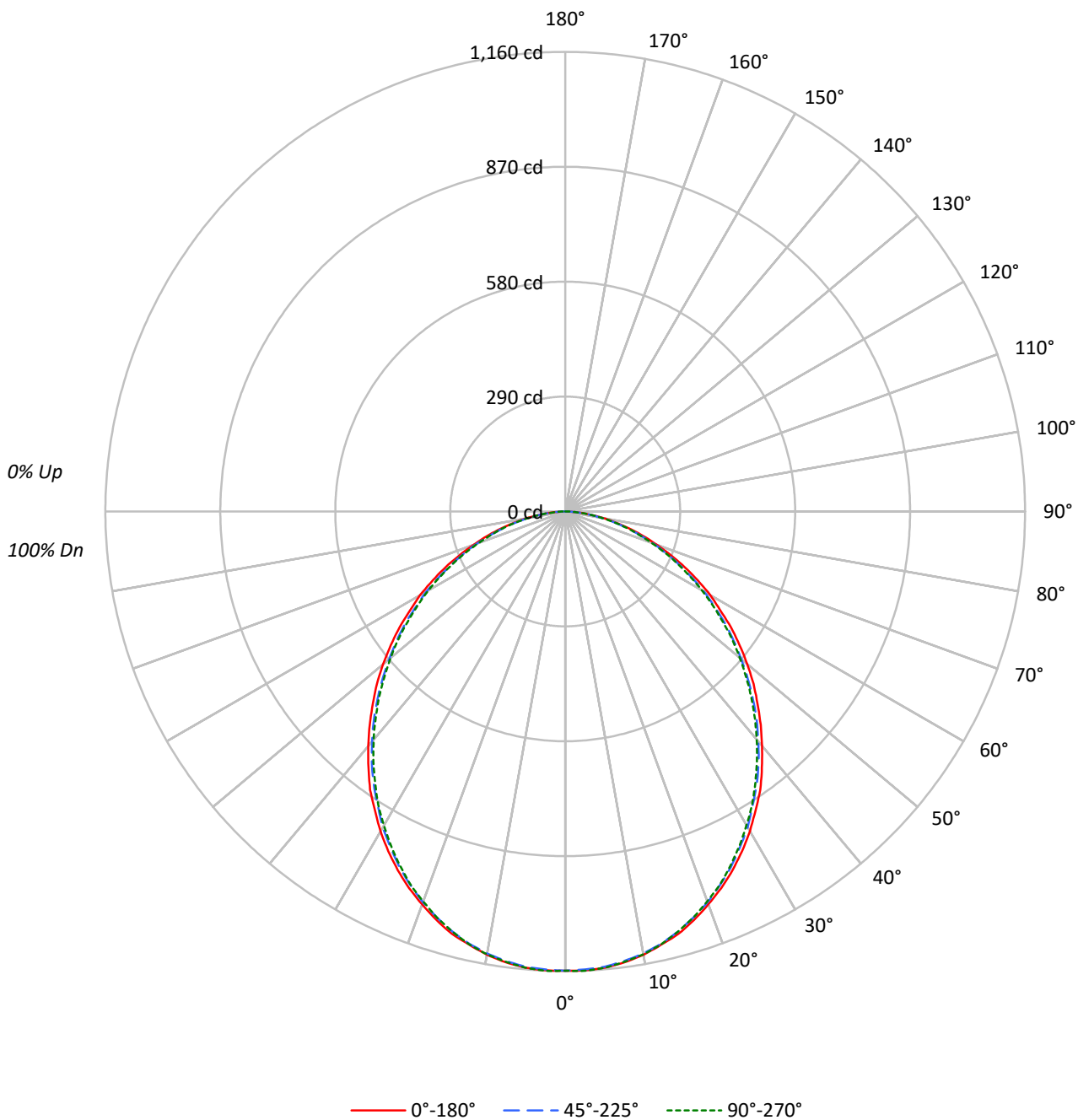
Lumens per Lamp: N/A
Luminaire Lumens: 2897.0 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	3120	3120	3120
5°	3122	3116	3122
10°	3105	3095	3102
15°	3075	3059	3059
20°	3022	3006	2999
25°	2966	2938	2928
30°	2895	2860	2842
35°	2818	2765	2746
40°	2714	2661	2641
45°	2610	2549	2527
50°	2509	2427	2407
55°	2395	2308	2275
60°	2274	2175	2144
65°	2118	2015	1992
70°	1935	1862	1817
75°	1764	1656	1669
80°	1520	1432	1449
85°	1176	1142	1068

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2610 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.5	3.8
10°-20°	309.6	10.7
20°-30°	456.1	15.7
30°-40°	527.6	18.2
40°-50°	518.7	17.9
50°-60°	442.0	15.3
60°-70°	316.7	10.9
70°-80°	172.0	5.9
80°-90°	44.9	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°	875.2	30.2
0°-40°	1402.8	48.4
0°-60°	2363.4	81.6
0°-90°	2897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2897.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1159	1159	1159	1159	1159	
5°	1156	1154	1154	1154	1156	110
15°	1104	1099	1098	1097	1098	311
25°	999	994	990	987	986	460
35°	858	851	842	837	836	535
45°	686	681	670	664	664	530
55°	510	501	492	486	485	456
65°	333	326	316	313	313	329
75°	170	164	159	157	160	179
85°	38	38	37	36	35	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1159.3	1159.3	1159.3	1159.3	<i>1159.3</i>
2.5°	<i>1159.3</i>	<i>1158.2</i>	<i>1157.0</i>	<i>1158.2</i>	<i>1160.5</i>
5°	1155.8	1153.5	1153.5	1153.5	<i>1155.8</i>
7.5°	1147.8	1145.5	1144.3	1145.5	<i>1146.6</i>
10°	1136.2	1133.9	1132.7	1133.9	<i>1135.1</i>
12.5°	1120.0	1118.9	1117.7	1117.7	<i>1118.9</i>
15°	1103.9	1099.3	1098.1	1097.0	<i>1098.1</i>
17.5°	1080.8	1079.6	1075.0	1075.0	<i>1075.0</i>
20°	1055.4	1053.1	1049.6	1047.3	<i>1047.3</i>
22.5°	1028.8	1026.5	1020.7	1018.4	<i>1019.6</i>
25°	998.8	994.2	989.6	987.3	<i>986.1</i>
27.5°	966.5	961.9	954.9	951.5	<i>951.5</i>
30°	931.8	928.4	920.3	915.7	<i>914.5</i>
32.5°	893.7	891.4	879.9	877.6	<i>877.6</i>
35°	857.9	851.0	841.8	837.1	<i>836.0</i>
37.5°	815.2	810.6	801.4	795.6	<i>794.4</i>
40°	772.5	766.7	757.5	752.9	<i>751.7</i>
42.5°	729.8	724.0	714.8	709.0	<i>707.8</i>
45°	685.9	681.3	669.7	663.9	<i>663.9</i>
47.5°	644.3	635.1	624.7	620.1	<i>618.9</i>
50°	599.3	591.2	579.7	575.0	<i>575.0</i>
52.5°	554.3	548.5	535.8	533.5	<i>531.2</i>
55°	510.4	501.1	491.9	486.1	<i>485.0</i>
57.5°	463.0	454.9	445.7	441.1	<i>441.1</i>
60°	422.6	412.2	404.1	398.4	<i>398.4</i>
62.5°	376.4	367.2	359.1	355.6	<i>354.5</i>
65°	332.6	325.6	316.4	312.9	<i>312.9</i>
67.5°	288.7	282.9	274.8	271.4	<i>272.5</i>
70°	245.9	242.5	236.7	232.1	<i>230.9</i>
72.5°	206.7	202.1	196.3	195.1	<i>195.1</i>
75°	169.7	164.0	159.3	157.0	<i>160.5</i>
77.5°	131.6	128.2	125.9	124.7	<i>125.9</i>
80°	98.1	93.5	92.4	93.5	<i>93.5</i>
82.5°	68.1	65.8	64.7	64.7	<i>64.7</i>
85°	38.1	38.1	37.0	35.8	<i>34.6</i>
87.5°	15.0	15.0	16.2	16.2	<i>17.3</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)