

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: P601131

Luminaire Tested: 22D3X-LP-60-L930

Issue Date: 10/5/2023

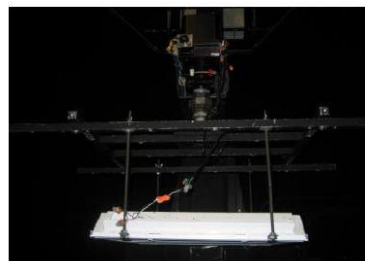
Test Information

Test Method: LM-79-2019
Report Number: P601131
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-60-L930
Description: 2x2 D3X-LP AT 6000LM 3000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

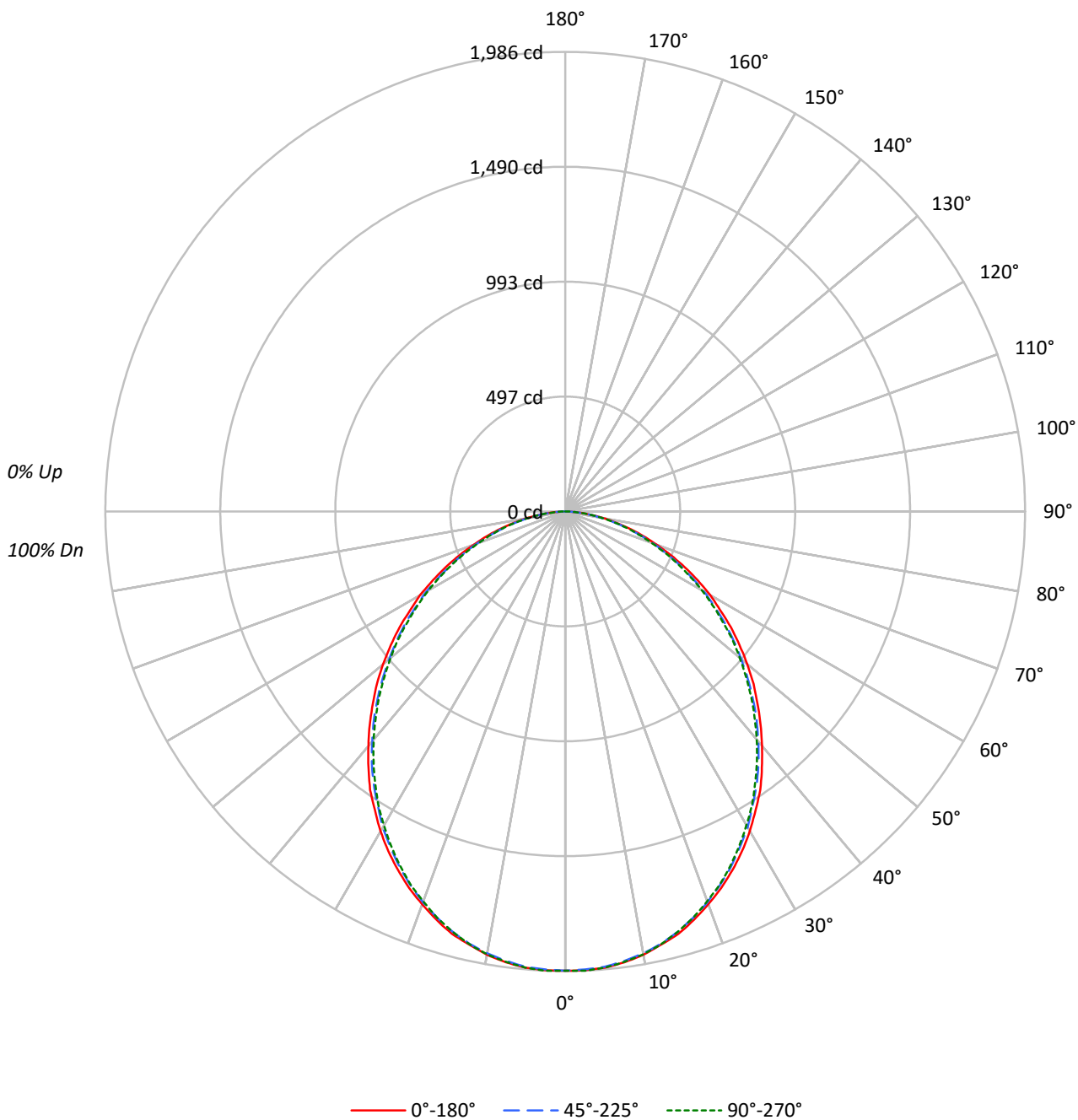
Lumens per Lamp: N/A
Luminaire Lumens: 4959.0 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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°	5340	5340	5340
5°	5344	5334	5344
10°	5314	5298	5309
15°	5264	5237	5237
20°	5174	5145	5134
25°	5076	5029	5012
30°	4956	4895	4864
35°	4824	4733	4701
40°	4645	4555	4520
45°	4468	4363	4325
50°	4294	4154	4121
55°	4099	3950	3895
60°	3893	3723	3670
65°	3624	3449	3410
70°	3312	3188	3110
75°	3021	2836	2856
80°	2603	2450	2481
85°	2013	1951	1831

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4468 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.5	3.8
10°-20°	530.0	10.7
20°-30°	780.6	15.7
30°-40°	903.1	18.2
40°-50°	887.8	17.9
50°-60°	756.6	15.3
60°-70°	542.1	10.9
70°-80°	294.4	5.9
80°-90°	76.8	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°	1498.1	30.2
0°-40°	2401.2	48.4
0°-60°	4045.6	81.6
0°-90°	4959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4959.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1984	1984	1984	1984	1984	
5°	1978	1975	1975	1975	1978	188
15°	1890	1882	1880	1878	1880	532
25°	1710	1702	1694	1690	1688	787
35°	1469	1457	1441	1433	1431	916
45°	1174	1166	1146	1136	1136	907
55°	874	858	842	832	830	780
65°	569	557	542	536	536	564
75°	291	281	273	269	275	307
85°	65	65	63	61	59	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1984.5	1984.5	1984.5	1984.5	1984.5
2.5°	1984.5	1982.5	1980.5	1982.5	1986.4
5°	1978.5	1974.6	1974.6	1974.6	1978.5
7.5°	1964.7	1960.7	1958.8	1960.7	1962.7
10°	1944.9	1941.0	1939.0	1941.0	1943.0
12.5°	1917.3	1915.3	1913.3	1913.3	1915.3
15°	1889.6	1881.7	1879.7	1877.7	1879.7
17.5°	1850.1	1848.1	1840.2	1840.2	1840.2
20°	1806.6	1802.6	1796.7	1792.7	1792.7
22.5°	1761.1	1757.2	1747.3	1743.3	1745.3
25°	1709.7	1701.8	1693.9	1690.0	1688.0
27.5°	1654.4	1646.5	1634.6	1628.7	1628.7
30°	1595.1	1589.2	1575.3	1567.4	1565.4
32.5°	1529.9	1525.9	1506.1	1502.2	1502.2
35°	1468.6	1456.7	1440.9	1433.0	1431.0
37.5°	1395.5	1387.5	1371.7	1361.9	1359.9
40°	1322.3	1312.4	1296.6	1288.7	1286.7
42.5°	1249.2	1239.3	1223.5	1213.6	1211.6
45°	1174.1	1166.2	1146.4	1136.5	1136.5
47.5°	1102.9	1087.1	1069.3	1061.4	1059.4
50°	1025.8	1012.0	992.2	984.3	984.3
52.5°	948.7	938.9	917.1	913.2	909.2
55°	873.6	857.8	842.0	832.1	830.2
57.5°	792.6	778.8	763.0	755.0	755.0
60°	723.4	705.6	691.8	681.9	681.9
62.5°	644.4	628.5	614.7	608.8	606.8
65°	569.2	557.4	541.6	535.6	535.6
67.5°	494.1	484.3	470.4	464.5	466.5
70°	421.0	415.1	405.2	397.3	395.3
72.5°	353.8	345.9	336.0	334.0	334.0
75°	290.6	280.7	272.8	268.8	274.7
77.5°	225.3	219.4	215.4	213.5	215.4
80°	168.0	160.1	158.1	160.1	160.1
82.5°	116.6	112.7	110.7	110.7	110.7
85°	65.2	65.2	63.2	61.3	59.3
87.5°	25.7	25.7	27.7	27.7	29.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)