

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: P601133

Luminaire Tested: 22D3X-LP-60-L940

Issue Date: 10/5/2023

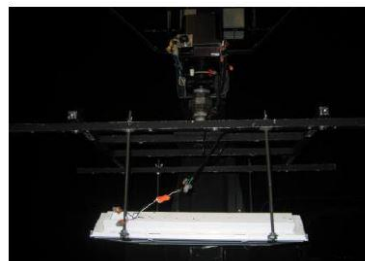
Test Information

Test Method: LM-79-2019
Report Number: P601133
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-L940
Description: 2x2 D3X-LP AT 6000LM 4000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

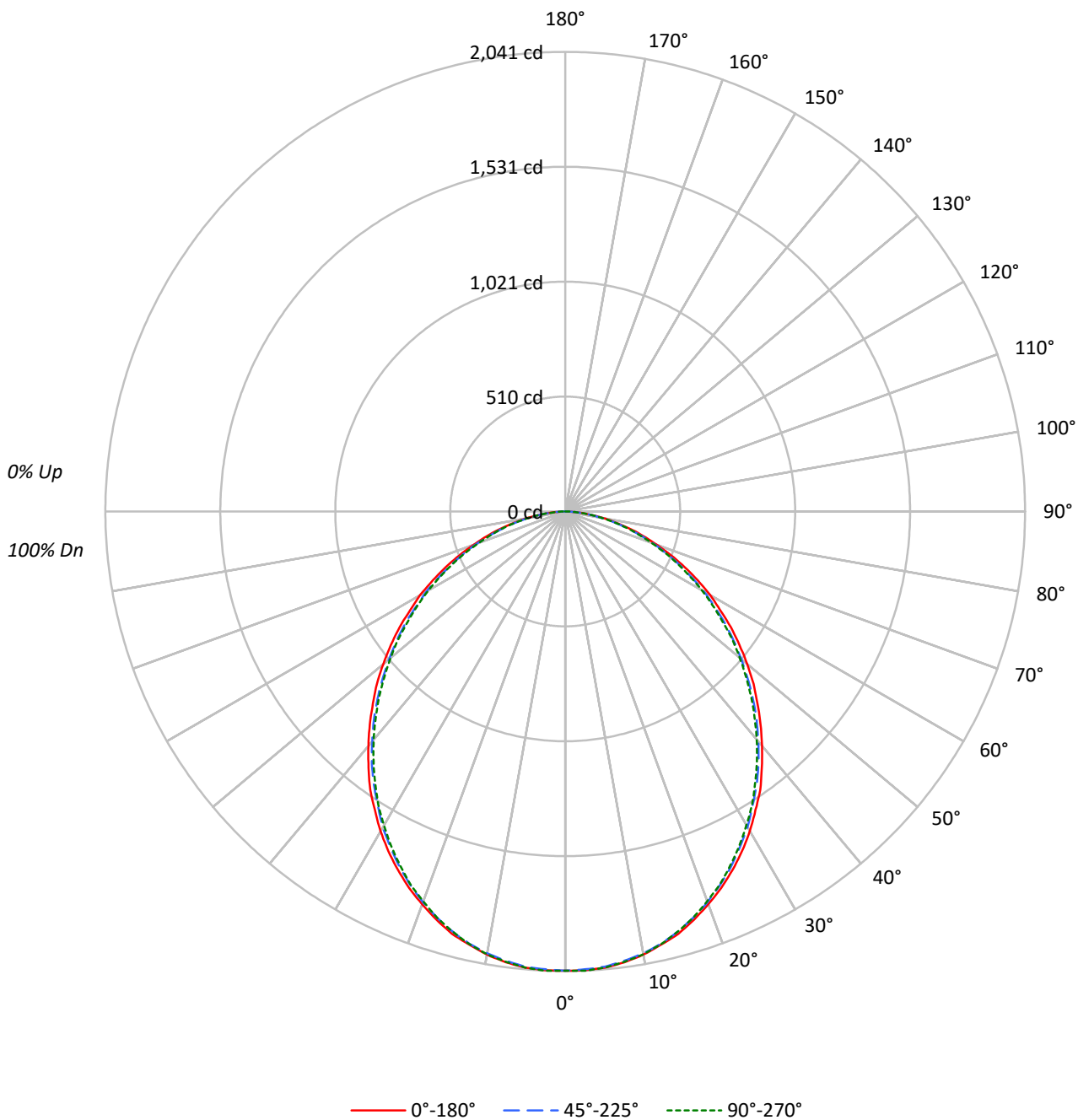
Lumens per Lamp: N/A
Luminaire Lumens: 5096.0 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	5488	5488	5488
5°	5492	5481	5492
10°	5461	5445	5456
15°	5410	5381	5381
20°	5316	5287	5276
25°	5217	5168	5150
30°	5093	5030	4999
35°	4958	4864	4831
40°	4774	4680	4645
45°	4591	4483	4445
50°	4413	4268	4235
55°	4212	4060	4002
60°	4001	3826	3772
65°	3725	3543	3505
70°	3404	3276	3196
75°	3105	2914	2935
80°	2675	2518	2549
85°	2069	2007	1880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4591 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.6	3.8
10°-20°	544.7	10.7
20°-30°	802.2	15.7
30°-40°	928.0	18.2
40°-50°	912.3	17.9
50°-60°	777.5	15.3
60°-70°	557.1	10.9
70°-80°	302.6	5.9
80°-90°	78.9	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°	1539.5	30.2
0°-40°	2467.5	48.4
0°-60°	4157.4	81.6
0°-90°	5096.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5096.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2039	2039	2039	2039	2039	
5°	2033	2029	2029	2029	2033	193
15°	1942	1934	1932	1930	1932	547
25°	1757	1749	1741	1737	1735	809
35°	1509	1497	1481	1473	1471	941
45°	1206	1198	1178	1168	1168	932
55°	898	882	865	855	853	802
65°	585	573	556	550	550	579
75°	299	288	280	276	282	315
85°	67	67	65	63	61	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2039.3	2039.3	2039.3	2039.3	2039.3
2.5°	2039.3	2037.3	2035.2	2037.3	2041.3
5°	2033.2	2029.1	2029.1	2029.1	2033.2
7.5°	2019.0	2014.9	2012.9	2014.9	2016.9
10°	1998.7	1994.6	1992.6	1994.6	1996.6
12.5°	1970.2	1968.2	1966.2	1966.2	1968.2
15°	1941.8	1933.7	1931.6	1929.6	1931.6
17.5°	1901.2	1899.1	1891.0	1891.0	1891.0
20°	1856.5	1852.4	1846.3	1842.3	1842.3
22.5°	1809.8	1805.7	1795.6	1791.5	1793.5
25°	1757.0	1748.8	1740.7	1736.6	1734.6
27.5°	1700.1	1692.0	1679.8	1673.7	1673.7
30°	1639.2	1633.1	1618.8	1610.7	1608.7
32.5°	1572.1	1568.1	1547.7	1543.7	1543.7
35°	1509.2	1497.0	1480.7	1472.6	1470.6
37.5°	1434.0	1425.9	1409.6	1399.5	1397.4
40°	1358.9	1348.7	1332.4	1324.3	1322.3
42.5°	1283.7	1273.5	1257.3	1247.1	1245.1
45°	1206.5	1198.4	1178.1	1167.9	1167.9
47.5°	1133.4	1117.1	1098.9	1090.7	1088.7
50°	1054.2	1040.0	1019.6	1011.5	1011.5
52.5°	975.0	964.8	942.5	938.4	934.3
55°	897.8	881.5	865.3	855.1	853.1
57.5°	814.5	800.3	784.0	775.9	775.9
60°	743.4	725.1	710.9	700.8	700.8
62.5°	662.2	645.9	631.7	625.6	623.6
65°	585.0	572.8	556.5	550.4	550.4
67.5°	507.8	497.6	483.4	477.3	479.4
70°	432.6	426.5	416.4	408.3	406.2
72.5°	363.6	355.5	345.3	343.3	343.3
75°	298.6	288.4	280.3	276.2	282.3
77.5°	231.6	225.5	221.4	219.4	221.4
80°	172.6	164.5	162.5	164.5	164.5
82.5°	119.8	115.8	113.7	113.7	113.7
85°	67.0	67.0	65.0	63.0	60.9
87.5°	26.4	26.4	28.4	28.4	30.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)