

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: P601129

Luminaire Tested: 22D3X-LP-60-L835

Issue Date: 10/5/2023

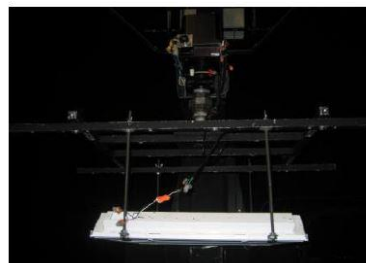
Test Information

Test Method: LM-79-2019
Report Number: P601129
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-L835
Description: 2x2 D3X-LP AT 6000LM 3500K 80CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

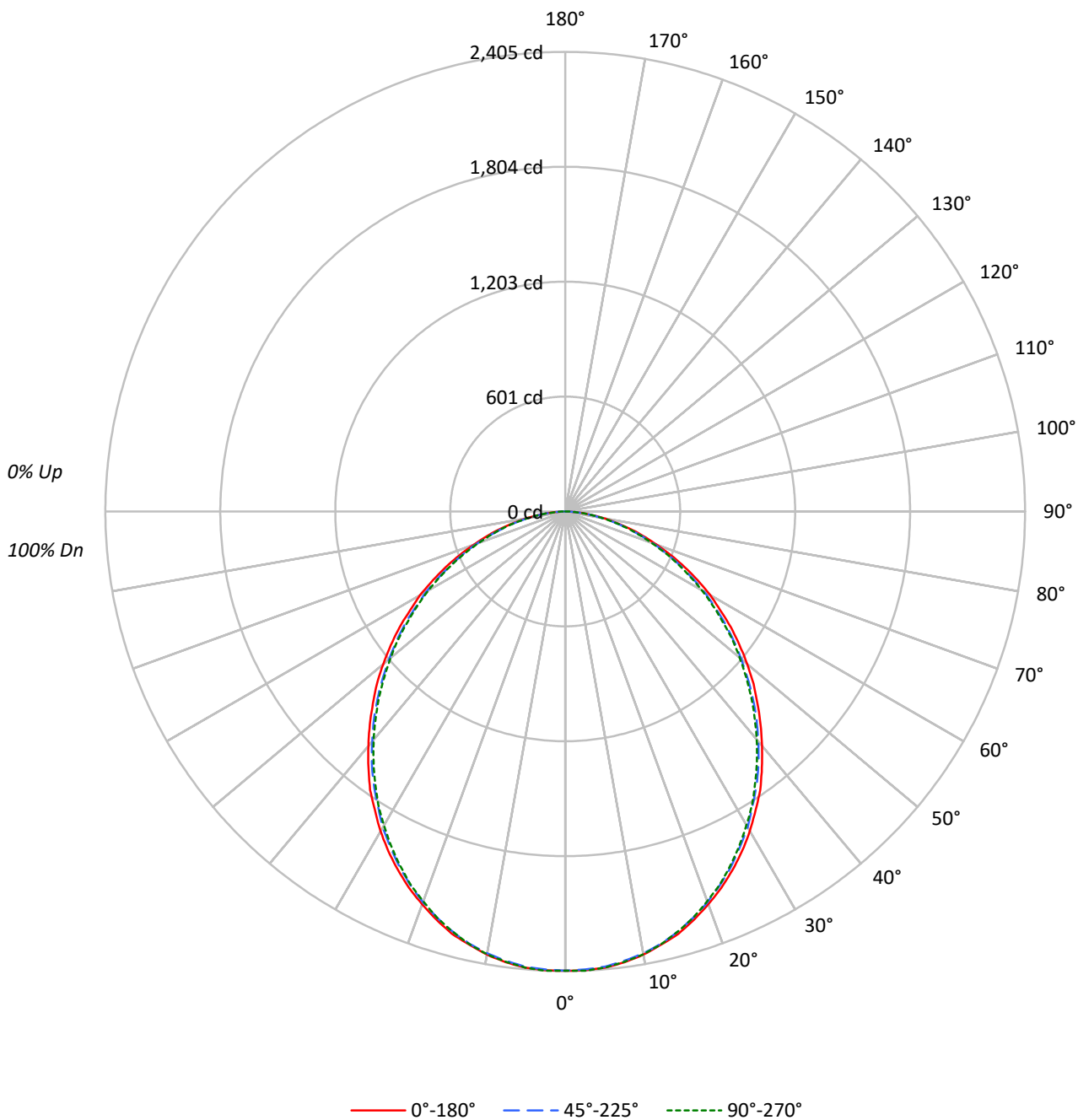
Lumens per Lamp: N/A
Luminaire Lumens: 6005.0 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	6467	6467	6467
5°	6472	6459	6472
10°	6436	6416	6429
15°	6375	6341	6341
20°	6265	6231	6217
25°	6147	6090	6069
30°	6002	5927	5890
35°	5842	5732	5693
40°	5625	5515	5474
45°	5410	5283	5237
50°	5200	5030	4990
55°	4963	4784	4716
60°	4715	4508	4444
65°	4389	4176	4130
70°	4011	3861	3766
75°	3658	3434	3459
80°	3152	2968	3005
85°	2439	2365	2217

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5410 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.0	3.8
10°-20°	641.8	10.7
20°-30°	945.3	15.7
30°-40°	1093.5	18.2
40°-50°	1075.1	17.9
50°-60°	916.2	15.3
60°-70°	656.5	10.9
70°-80°	356.6	5.9
80°-90°	93.0	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°	1814.1	30.2
0°-40°	2907.7	48.4
0°-60°	4899.0	81.6
0°-90°	6005.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6005.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2403	2403	2403	2403	2403	
5°	2396	2391	2391	2391	2396	227
15°	2288	2279	2276	2274	2276	644
25°	2070	2061	2051	2046	2044	953
35°	1778	1764	1745	1735	1733	1109
45°	1422	1412	1388	1376	1376	1098
55°	1058	1039	1020	1008	1005	945
65°	689	675	656	649	649	683
75°	352	340	330	326	333	372
85°	79	79	77	74	72	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2403.1	2403.1	2403.1	2403.1	2403.1
2.5°	2403.1	2400.7	2398.3	2400.7	2405.4
5°	2395.9	2391.1	2391.1	2391.1	2395.9
7.5°	2379.1	2374.3	2371.9	2374.3	2376.7
10°	2355.2	2350.4	2348.0	2350.4	2352.8
12.5°	2321.7	2319.3	2316.9	2316.9	2319.3
15°	2288.2	2278.6	2276.2	2273.8	2276.2
17.5°	2240.3	2237.9	2228.3	2228.3	2228.3
20°	2187.6	2182.9	2175.7	2170.9	2170.9
22.5°	2132.6	2127.8	2115.8	2111.0	2113.4
25°	2070.4	2060.8	2051.2	2046.4	2044.0
27.5°	2003.3	1993.8	1979.4	1972.2	1972.2
30°	1931.5	1924.4	1907.6	1898.0	1895.6
32.5°	1852.6	1847.8	1823.8	1819.0	1819.0
35°	1778.4	1764.0	1744.8	1735.3	1732.9
37.5°	1689.8	1680.2	1661.1	1649.1	1646.7
40°	1601.2	1589.3	1570.1	1560.5	1558.2
42.5°	1512.7	1500.7	1481.6	1469.6	1467.2
45°	1421.7	1412.2	1388.2	1376.2	1376.2
47.5°	1335.6	1316.4	1294.9	1285.3	1282.9
50°	1242.2	1225.5	1201.5	1192.0	1192.0
52.5°	1148.9	1136.9	1110.6	1105.8	1101.0
55°	1057.9	1038.8	1019.6	1007.7	1005.3
57.5°	959.8	943.0	923.9	914.3	914.3
60°	876.0	854.5	837.7	825.7	825.7
62.5°	780.3	761.1	744.4	737.2	734.8
65°	689.3	675.0	655.8	648.6	648.6
67.5°	598.4	586.4	569.6	562.5	564.9
70°	509.8	502.6	490.7	481.1	478.7
72.5°	428.4	418.9	406.9	404.5	404.5
75°	351.8	339.9	330.3	325.5	332.7
77.5°	272.9	265.7	260.9	258.5	260.9
80°	203.4	193.9	191.5	193.9	193.9
82.5°	141.2	136.4	134.0	134.0	134.0
85°	79.0	79.0	76.6	74.2	71.8
87.5°	31.1	31.1	33.5	33.5	35.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)