

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: P995560

Luminaire Tested: 22D3X-LP-WD-70-L830.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)
Test Lab: INNOVATION CENTER
Issue Date: 12/20/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22D3X-LP-WD-70-L830.ies
Description: 2x2 D3X-LP AT 7000LM 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

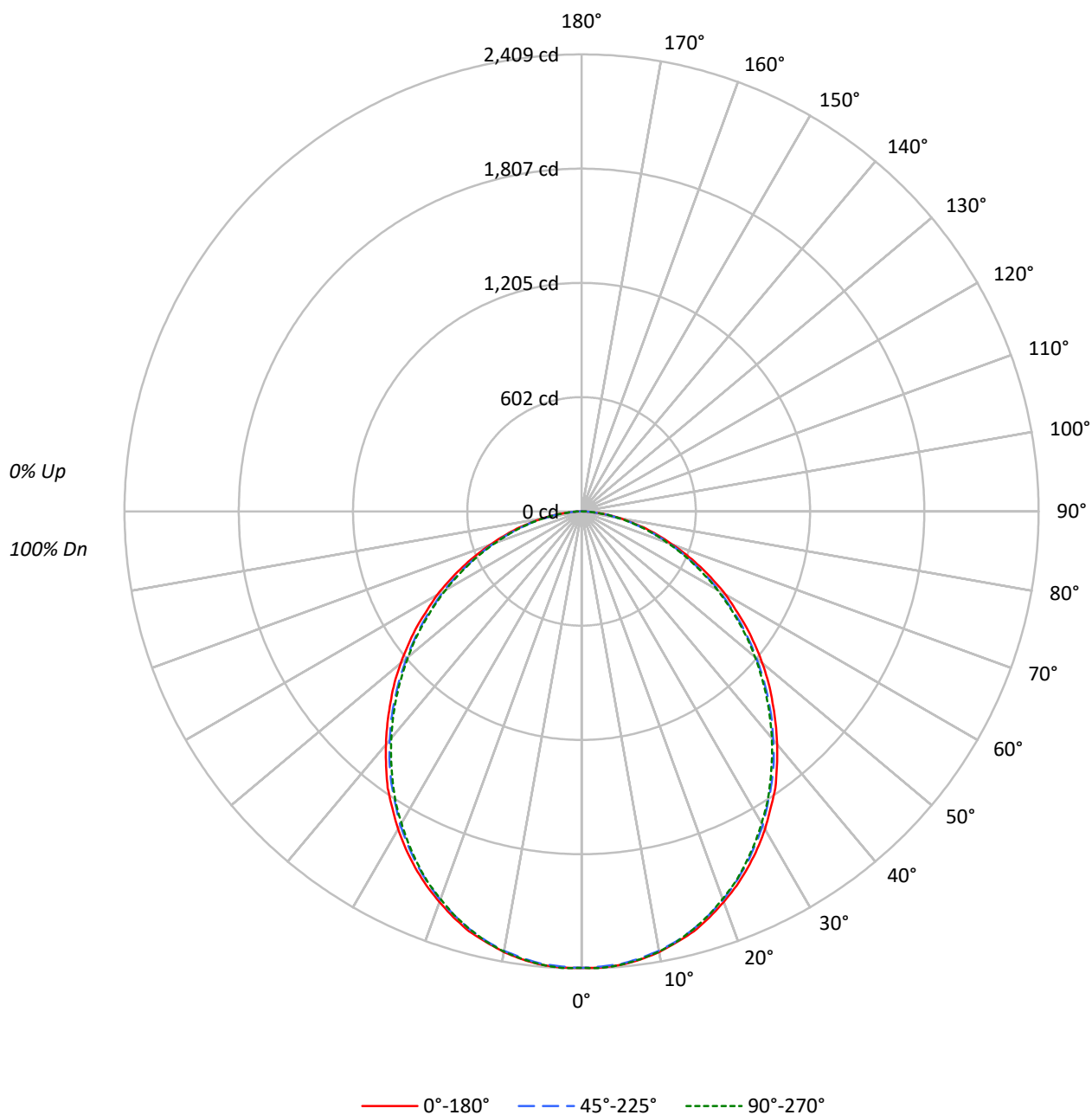
Lumens per Lamp: N/A
Luminaire Lumens: 6012.9 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	73	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	48	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	34	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	31	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6475	6475	6475
5°	6480	6467	6480
10°	6444	6424	6437
15°	6383	6350	6350
20°	6273	6239	6225
25°	6155	6098	6077
30°	6010	5935	5898
35°	5850	5739	5700
40°	5632	5523	5481
45°	5418	5290	5245
50°	5207	5037	4996
55°	4970	4790	4723
60°	4721	4514	4450
65°	4395	4181	4136
70°	4017	3865	3771
75°	3663	3438	3463
80°	3157	2971	3008
85°	2442	2368	2220

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5418 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.3	3.8
10°-20°	642.7	10.7
20°-30°	946.6	15.7
30°-40°	1095.0	18.2
40°-50°	1076.5	17.9
50°-60°	917.4	15.3
60°-70°	657.3	10.9
70°-80°	357.0	5.9
80°-90°	93.1	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°	1816.5	30.2
0°-40°	2911.5	48.4
0°-60°	4905.4	81.6
0°-90°	6012.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6012.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2406	2406	2406	2406	2406	
5°	2399	2394	2394	2394	2399	228
15°	2291	2282	2279	2277	2279	645
25°	2073	2064	2054	2049	2047	954
35°	1781	1766	1747	1738	1735	1110
45°	1424	1414	1390	1378	1378	1100
55°	1059	1040	1021	1009	1007	946
65°	690	676	657	650	650	684
75°	352	340	331	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°	2406.2	2406.2	2406.2	2406.2	2406.2
2.5°	2406.2	2403.8	2401.4	2403.8	2408.6
5°	2399.0	2394.2	2394.2	2394.2	2399.0
7.5°	2382.2	2377.5	2375.1	2377.5	2379.9
10°	2358.3	2353.5	2351.1	2353.5	2355.9
12.5°	2324.7	2322.3	2319.9	2319.9	2322.3
15°	2291.2	2281.6	2279.2	2276.8	2279.2
17.5°	2243.2	2240.8	2231.3	2231.3	2231.3
20°	2190.5	2185.7	2178.5	2173.7	2173.7
22.5°	2135.4	2130.6	2118.6	2113.8	2116.2
25°	2073.1	2063.5	2053.9	2049.1	2046.7
27.5°	2006.0	1996.4	1982.0	1974.8	1974.8
30°	1934.1	1926.9	1910.1	1900.5	1898.1
32.5°	1855.0	1850.2	1826.2	1821.4	1821.4
35°	1780.7	1766.3	1747.1	1737.6	1735.2
37.5°	1692.0	1682.4	1663.3	1651.3	1648.9
40°	1603.3	1591.4	1572.2	1562.6	1560.2
42.5°	1514.7	1502.7	1483.5	1471.5	1469.1
45°	1423.6	1414.0	1390.0	1378.1	1378.1
47.5°	1337.3	1318.1	1296.6	1287.0	1284.6
50°	1243.8	1227.1	1203.1	1193.5	1193.5
52.5°	1150.4	1138.4	1112.0	1107.2	1102.4
55°	1059.3	1040.1	1021.0	1009.0	1006.6
57.5°	961.0	944.3	925.1	915.5	915.5
60°	877.2	855.6	838.8	826.8	826.8
62.5°	781.3	762.1	745.4	738.2	735.8
65°	690.2	675.8	656.7	649.5	649.5
67.5°	599.2	587.2	570.4	563.2	565.6
70°	510.5	503.3	491.3	481.7	479.3
72.5°	429.0	419.4	407.4	405.0	405.0
75°	352.3	340.3	330.7	325.9	333.1
77.5°	273.2	266.0	261.2	258.8	261.2
80°	203.7	194.1	191.7	194.1	194.1
82.5°	141.4	136.6	134.2	134.2	134.2
85°	79.1	79.1	76.7	74.3	71.9
87.5°	31.2	31.2	33.6	33.6	35.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)