

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: P601090

Luminaire Tested: 22D3X-LP-25-L935

Issue Date: 10/5/2023

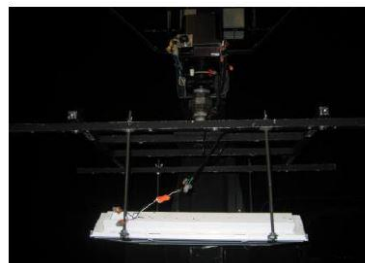
Test Information

Test Method: LM-79-2019
Report Number: P601090
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-25-L935
Description: 2x2 D3X-LP AT 2500LM 3500K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

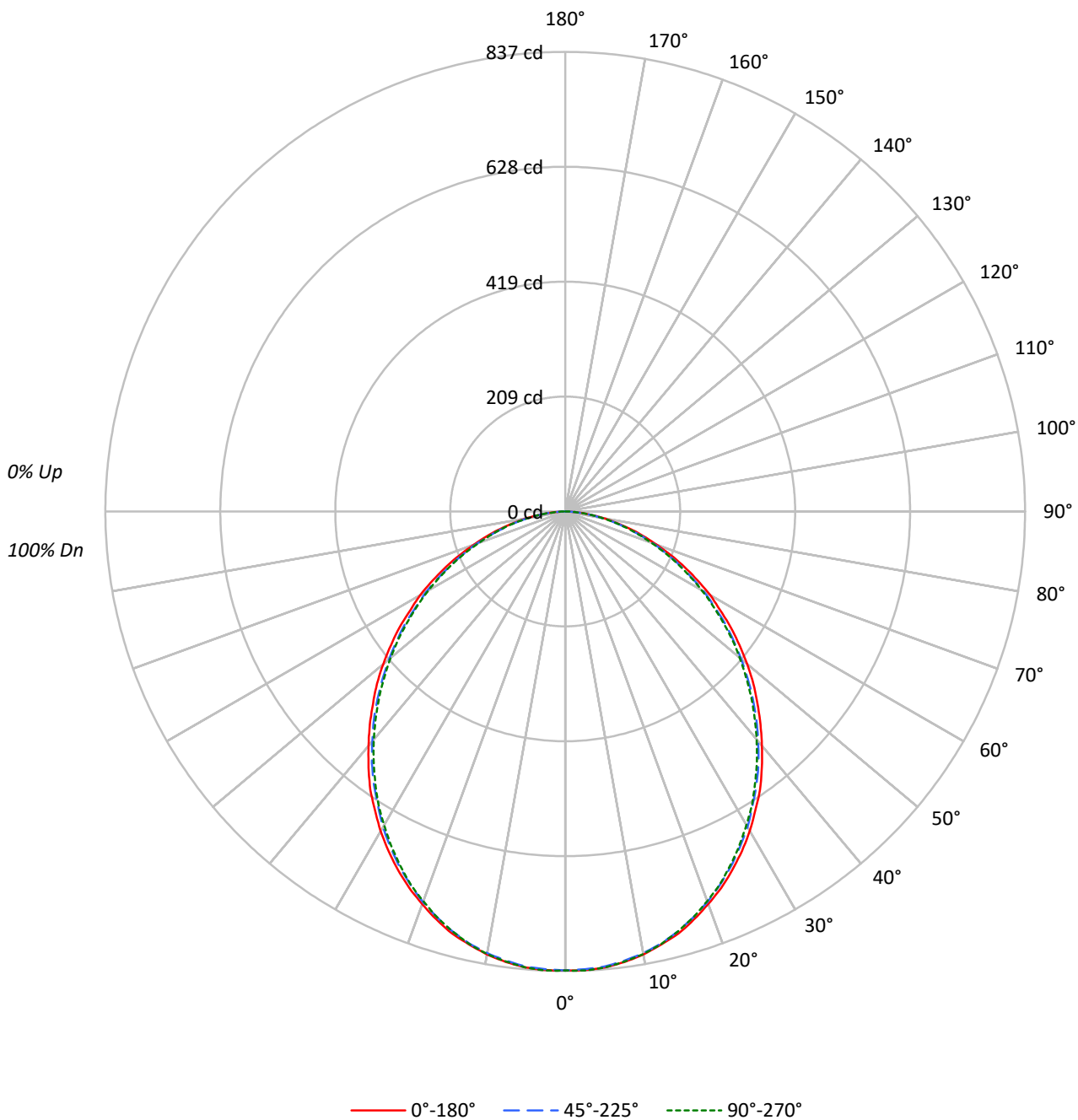
Lumens per Lamp: N/A
Luminaire Lumens: 2089.0 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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				10	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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°	2250	2250	2250
5°	2251	2247	2251
10°	2239	2232	2237
15°	2218	2206	2206
20°	2179	2168	2163
25°	2138	2119	2111
30°	2088	2062	2049
35°	2032	1994	1980
40°	1957	1919	1904
45°	1882	1838	1822
50°	1809	1750	1736
55°	1727	1664	1641
60°	1640	1568	1546
65°	1527	1452	1436
70°	1396	1343	1310
75°	1273	1195	1203
80°	1097	1032	1044
85°	849	821	772

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1882 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	3.8
10°-20°	223.3	10.7
20°-30°	328.9	15.7
30°-40°	380.4	18.2
40°-50°	374.0	17.9
50°-60°	318.7	15.3
60°-70°	228.4	10.9
70°-80°	124.0	5.9
80°-90°	32.4	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°	631.1	30.2
0°-40°	1011.5	48.4
0°-60°	1704.2	81.6
0°-90°	2089.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2089.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	836	836	836	836	836	
5°	834	832	832	832	834	79
15°	796	793	792	791	792	224
25°	720	717	714	712	711	332
35°	619	614	607	604	603	386
45°	495	491	483	479	479	382
55°	368	361	355	350	350	329
65°	240	235	228	226	226	238
75°	122	118	115	113	116	129
85°	28	28	27	26	25	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	836.0	836.0	836.0	836.0	836.0
2.5°	836.0	835.1	834.3	835.1	836.8
5°	833.5	831.8	831.8	831.8	833.5
7.5°	827.6	826.0	825.1	826.0	826.8
10°	819.3	817.6	816.8	817.6	818.5
12.5°	807.7	806.8	806.0	806.0	806.8
15°	796.0	792.7	791.8	791.0	791.8
17.5°	779.3	778.5	775.2	775.2	775.2
20°	761.0	759.4	756.9	755.2	755.2
22.5°	741.9	740.2	736.0	734.4	735.2
25°	720.2	716.9	713.6	711.9	711.1
27.5°	696.9	693.6	688.6	686.1	686.1
30°	671.9	669.4	663.6	660.3	659.4
32.5°	644.5	642.8	634.5	632.8	632.8
35°	618.6	613.7	607.0	603.7	602.8
37.5°	587.8	584.5	577.8	573.7	572.9
40°	557.0	552.9	546.2	542.9	542.0
42.5°	526.2	522.1	515.4	511.2	510.4
45°	494.6	491.3	482.9	478.8	478.8
47.5°	464.6	457.9	450.5	447.1	446.3
50°	432.1	426.3	418.0	414.7	414.7
52.5°	399.7	395.5	386.3	384.7	383.0
55°	368.0	361.4	354.7	350.5	349.7
57.5°	333.9	328.1	321.4	318.1	318.1
60°	304.7	297.3	291.4	287.3	287.3
62.5°	271.4	264.8	258.9	256.5	255.6
65°	239.8	234.8	228.1	225.6	225.6
67.5°	208.2	204.0	198.2	195.7	196.5
70°	177.4	174.9	170.7	167.4	166.5
72.5°	149.0	145.7	141.5	140.7	140.7
75°	122.4	118.2	114.9	113.2	115.7
77.5°	94.9	92.4	90.8	89.9	90.8
80°	70.8	67.4	66.6	67.4	67.4
82.5°	49.1	47.5	46.6	46.6	46.6
85°	27.5	27.5	26.6	25.8	25.0
87.5°	10.8	10.8	11.7	11.7	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)