

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: P601125

Luminaire Tested: 22D3X-LP-55-L930

Issue Date: 10/5/2023

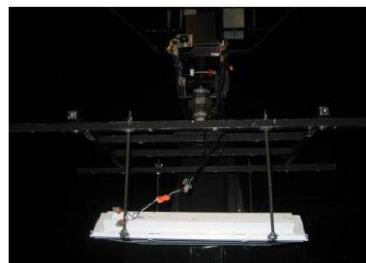
Test Information

Test Method: LM-79-2019
Report Number: P601125
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-55-L930
Description: 2x2 D3X-LP AT 5500LM 3000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

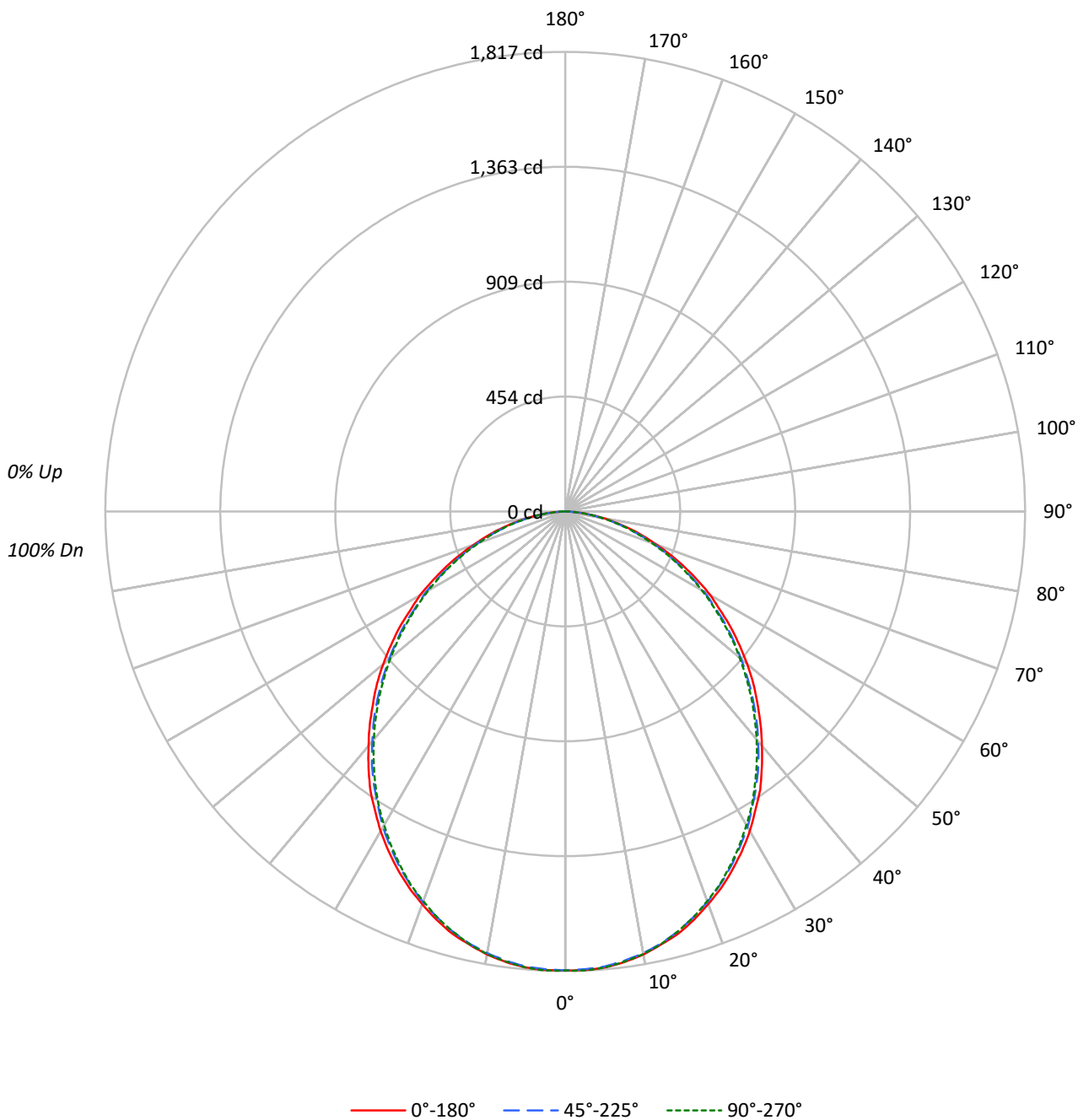
Lumens per Lamp: N/A
Luminaire Lumens: 4535.0 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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°	4884	4884	4884
5°	4888	4878	4888
10°	4860	4845	4855
15°	4814	4789	4789
20°	4731	4705	4695
25°	4642	4600	4584
30°	4533	4476	4448
35°	4412	4329	4299
40°	4248	4166	4134
45°	4086	3990	3955
50°	3927	3799	3769
55°	3748	3613	3562
60°	3561	3405	3356
65°	3315	3154	3119
70°	3029	2916	2844
75°	2763	2593	2613
80°	2380	2241	2269
85°	1840	1785	1673

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4086 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.4	3.8
10°-20°	484.7	10.7
20°-30°	713.9	15.7
30°-40°	825.8	18.2
40°-50°	811.9	17.9
50°-60°	691.9	15.3
60°-70°	495.8	10.9
70°-80°	269.3	5.9
80°-90°	70.2	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°	1370.0	30.2
0°-40°	2195.9	48.4
0°-60°	3699.7	81.6
0°-90°	4535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4535.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1815	1815	1815	1815	1815	
5°	1809	1806	1806	1806	1809	172
15°	1728	1721	1719	1717	1719	486
25°	1564	1556	1549	1546	1544	720
35°	1343	1332	1318	1310	1309	838
45°	1074	1066	1048	1039	1039	829
55°	799	784	770	761	759	713
65°	521	510	495	490	490	516
75°	266	257	249	246	251	281
85°	60	60	58	56	54	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1814.8	1814.8	1814.8	1814.8	<i>1814.8</i>
2.5°	<i>1814.8</i>	<i>1813.0</i>	<i>1811.2</i>	<i>1813.0</i>	<i>1816.6</i>
5°	1809.4	1805.8	1805.8	1805.8	<i>1809.4</i>
7.5°	1796.7	1793.1	1791.3	1793.1	<i>1794.9</i>
10°	1778.6	1775.0	1773.2	1775.0	<i>1776.8</i>
12.5°	1753.3	1751.5	1749.7	1749.7	<i>1751.5</i>
15°	1728.0	1720.8	1719.0	1717.2	<i>1719.0</i>
17.5°	1691.9	1690.1	1682.8	1682.8	<i>1682.8</i>
20°	1652.1	1648.5	1643.1	1639.5	<i>1639.5</i>
22.5°	1610.5	1606.9	1597.9	1594.3	<i>1596.1</i>
25°	1563.5	1556.3	1549.1	1545.5	<i>1543.7</i>
27.5°	1512.9	1505.7	1494.9	1489.4	<i>1489.4</i>
30°	1458.7	1453.3	1440.6	1433.4	<i>1431.6</i>
32.5°	1399.1	1395.4	1377.4	1373.7	<i>1373.7</i>
35°	1343.0	1332.2	1317.7	1310.5	<i>1308.7</i>
37.5°	1276.1	1268.9	1254.4	1245.4	<i>1243.6</i>
40°	1209.3	1200.2	1185.8	1178.5	<i>1176.7</i>
42.5°	1142.4	1133.3	1118.9	1109.8	<i>1108.0</i>
45°	1073.7	1066.5	1048.4	1039.3	<i>1039.3</i>
47.5°	1008.6	994.2	977.9	970.7	<i>968.9</i>
50°	938.1	925.5	907.4	900.2	<i>900.2</i>
52.5°	867.6	858.6	838.7	835.1	<i>831.5</i>
55°	798.9	784.5	770.0	761.0	<i>759.2</i>
57.5°	724.8	712.2	697.7	690.5	<i>690.5</i>
60°	661.6	645.3	632.6	623.6	<i>623.6</i>
62.5°	589.3	574.8	562.2	556.7	<i>554.9</i>
65°	520.6	509.7	495.3	489.8	<i>489.8</i>
67.5°	451.9	442.9	430.2	424.8	<i>426.6</i>
70°	385.0	379.6	370.6	363.3	<i>361.5</i>
72.5°	323.6	316.3	307.3	305.5	<i>305.5</i>
75°	265.7	256.7	249.4	245.8	<i>251.3</i>
77.5°	206.1	200.6	197.0	195.2	<i>197.0</i>
80°	153.6	146.4	144.6	146.4	<i>146.4</i>
82.5°	106.6	103.0	101.2	101.2	<i>101.2</i>
85°	59.6	59.6	57.8	56.0	<i>54.2</i>
87.5°	23.5	23.5	25.3	25.3	<i>27.1</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)