

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: P601256

Luminaire Tested: 14D3X-LP-55-L935

Issue Date: 10/6/2023

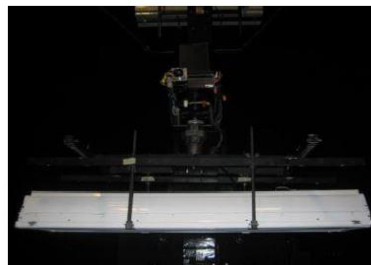
Test Information

Test Method: LM-79-2019
Report Number: P601256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/6/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14D3X-LP-55-L935
Description: 1x4 D3X-LP AT 5500lm 3500K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

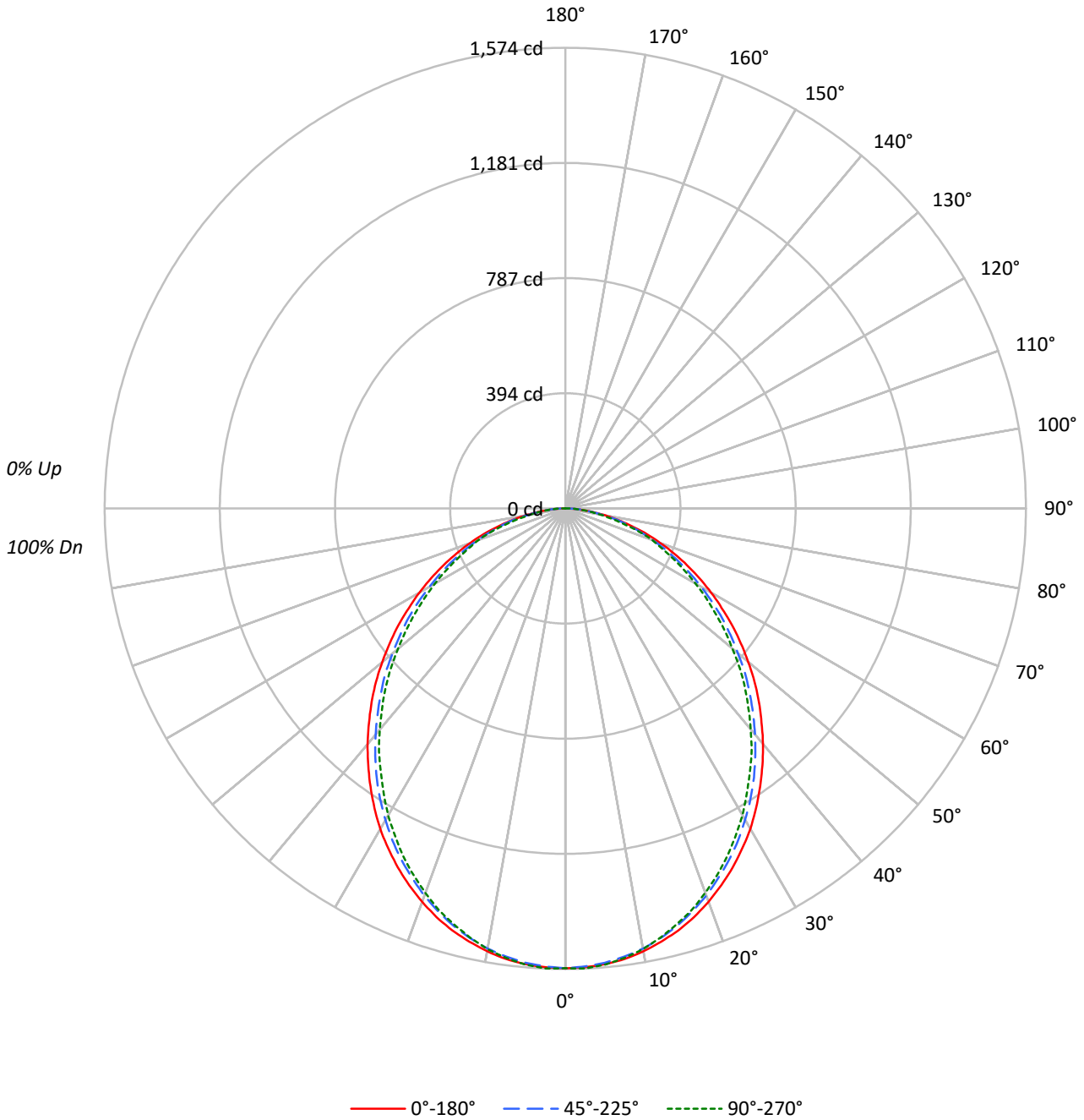
Lumens per Lamp: N/A
Luminaire Lumens: 3888.0 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.1
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	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	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	35
8	62	48	40	34	60	48	40	34	46	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°	4229	4229	4229
5°	4223	4209	4226
10°	4199	4174	4180
15°	4159	4113	4099
20°	4096	4032	4003
25°	4020	3934	3892
30°	3930	3819	3762
35°	3812	3691	3611
40°	3692	3542	3463
45°	3561	3389	3307
50°	3416	3223	3121
55°	3267	3070	2941
60°	3098	2884	2768
65°	2923	2702	2585
70°	2719	2518	2485
75°	2445	2328	2158
80°	2156	2013	1853
85°	1735	1735	1704

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3561 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.1	3.8
10°-20°	416.9	10.7
20°-30°	611.3	15.7
30°-40°	704.2	18.1
40°-50°	690.9	17.8
50°-60°	587.9	15.1
60°-70°	425.0	10.9
70°-80°	237.5	6.1
80°-90°	66.1	1.7
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°	1176.3	30.3
0°-40°	1880.5	48.4
0°-60°	3159.3	81.3
0°-90°	3888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3888.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1572	1572	1572	1572	1572	
5°	1563	1563	1558	1563	1564	148
15°	1493	1488	1476	1474	1471	421
25°	1354	1342	1325	1315	1311	623
35°	1160	1145	1124	1106	1099	726
45°	936	917	891	873	869	721
55°	696	678	654	636	627	622
65°	459	447	424	408	406	455
75°	235	232	224	211	208	252
85°	56	59	56	55	55	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1571.5	1571.5	1571.5	1571.5	1571.5
2.5°	1569.5	1569.5	1566.4	1572.6	1573.6
5°	1563.4	1563.4	1558.3	1563.4	1564.4
7.5°	1553.1	1551.1	1545.0	1549.1	1549.1
10°	1536.8	1534.7	1527.6	1528.6	1529.6
12.5°	1516.3	1513.3	1504.1	1503.0	1502.0
15°	1492.8	1487.7	1476.5	1474.4	1471.3
17.5°	1464.2	1457.0	1443.7	1440.7	1438.6
20°	1430.4	1421.2	1408.0	1400.8	1397.7
22.5°	1393.6	1383.4	1367.1	1359.9	1355.8
25°	1353.8	1342.5	1325.1	1314.9	1310.8
27.5°	1309.8	1297.5	1279.1	1265.8	1260.7
30°	1264.8	1249.5	1229.0	1215.7	1210.6
32.5°	1213.7	1197.3	1177.9	1161.5	1154.4
35°	1160.5	1145.2	1123.7	1106.3	1099.2
37.5°	1106.3	1092.0	1066.4	1051.1	1046.0
40°	1051.1	1034.7	1008.2	989.8	985.7
42.5°	992.8	978.5	948.9	933.5	926.4
45°	935.6	917.2	890.6	873.2	869.1
47.5°	877.3	856.8	833.3	813.9	808.8
50°	815.9	797.5	769.9	752.5	745.4
52.5°	755.6	739.3	711.6	692.2	687.1
55°	696.3	677.9	654.4	636.0	626.8
57.5°	633.9	619.6	595.1	577.7	570.5
60°	575.7	559.3	535.8	521.5	514.3
62.5°	516.4	500.0	480.6	465.2	459.1
65°	459.1	446.8	424.3	408.0	405.9
67.5°	401.8	391.6	372.2	355.8	356.8
70°	345.6	336.4	320.0	309.8	315.9
72.5°	292.4	287.3	268.9	261.8	264.8
75°	235.2	232.1	223.9	210.6	207.6
77.5°	187.1	189.2	180.0	163.6	159.5
80°	139.1	144.2	129.9	124.7	119.6
82.5°	96.1	103.3	91.0	86.9	84.9
85°	56.2	59.3	56.2	55.2	55.2
87.5°	23.5	27.6	27.6	28.6	29.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)