

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P302458

Luminaire Tested: **ZX-WO-70L935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-70L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

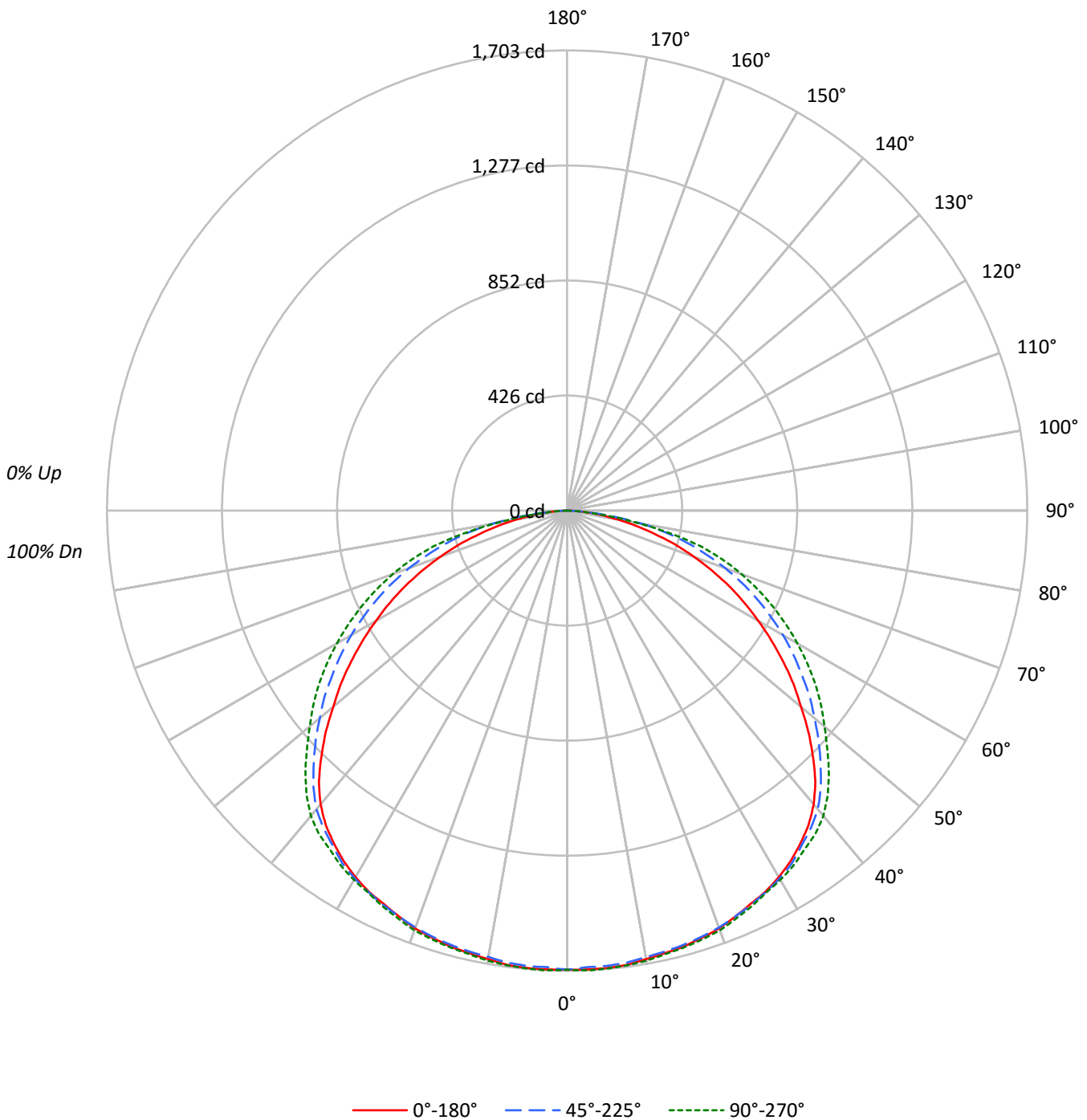
Lumens per Lamp: N/A
Luminaire Lumens: 5622.0 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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: 25 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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74		81	76	72		77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61		71	65	60		68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52		62	56	51		60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24		35	29	24		35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2287	2287	2287
5°	2295	2285	2298
10°	2303	2292	2311
15°	2326	2317	2331
20°	2357	2351	2368
25°	2384	2390	2399
30°	2434	2443	2452
35°	2472	2485	2514
40°	2493	2535	2591
45°	2448	2524	2606
50°	2364	2502	2601
55°	2291	2487	2631
60°	2201	2484	2650
65°	2105	2471	2674
70°	1960	2445	2702
75°	1755	2384	2663
80°	1461	2200	2046
85°	1104	1288	1073



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.7	2.9
10°-20°	472.3	8.4
20°-30°	744.9	13.2
30°-40°	951.0	16.9
40°-50°	1024.4	18.2
50°-60°	943.8	16.8
60°-70°	754.9	13.4
70°-80°	463.4	8.2
80°-90°	105.7	1.9
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°	1378.9	24.5
0°-40°	2329.9	41.4
0°-60°	4298.1	76.5
0°-90°	5622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5622.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1699	1699	1699	1699	1699	
5°	1699	1699	1692	1701	1701	162
15°	1670	1672	1664	1674	1674	472
25°	1606	1608	1610	1618	1616	743
35°	1505	1509	1513	1529	1531	941
45°	1286	1300	1326	1360	1370	991
55°	977	1003	1060	1108	1122	873
65°	661	705	776	824	840	653
75°	338	391	459	500	512	360
85°	72	95	83	74	70	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1699.4	1699.4	1699.4	1699.4	1699.4
2.5°	1699.4	1701.4	1691.5	1701.4	1703.4
5°	1699.4	1699.4	1691.5	1701.4	1701.4
7.5°	1695.4	1695.4	1687.5	1697.4	1697.4
10°	1685.5	1685.5	1677.6	1687.5	1691.5
12.5°	1677.6	1677.6	1671.6	1681.5	1681.5
15°	1669.6	1671.6	1663.7	1673.6	1673.6
17.5°	1657.7	1657.7	1653.7	1661.7	1663.7
20°	1645.8	1645.8	1641.8	1651.8	1653.7
22.5°	1626.0	1627.9	1626.0	1633.9	1633.9
25°	1606.1	1608.1	1610.1	1618.0	1616.0
27.5°	1590.2	1592.2	1592.2	1600.1	1594.2
30°	1566.4	1572.3	1572.3	1576.3	1578.3
32.5°	1538.6	1546.5	1548.5	1556.5	1558.5
35°	1504.8	1508.8	1512.8	1528.7	1530.7
37.5°	1467.1	1477.1	1481.0	1502.9	1508.8
40°	1419.5	1431.4	1443.3	1471.1	1475.1
42.5°	1359.9	1373.8	1389.7	1419.5	1427.4
45°	1286.5	1300.4	1326.2	1359.9	1369.8
47.5°	1211.0	1226.9	1262.6	1298.4	1306.3
50°	1129.6	1153.5	1195.1	1236.8	1242.8
52.5°	1056.2	1080.0	1131.6	1175.3	1185.2
55°	976.8	1002.6	1060.1	1107.8	1121.7
57.5°	897.4	931.1	992.6	1040.3	1054.2
60°	817.9	853.7	923.2	966.8	984.7
62.5°	740.5	780.2	849.7	899.3	913.2
65°	661.1	704.8	776.2	823.9	839.8
67.5°	579.7	625.4	700.8	748.5	764.3
70°	498.3	549.9	621.4	673.0	686.9
72.5°	420.9	468.5	540.0	585.7	603.5
75°	337.5	391.1	458.6	500.3	512.2
77.5°	262.1	313.7	373.2	399.0	395.1
80°	188.6	242.2	283.9	276.0	264.0
82.5°	127.1	170.7	176.7	164.8	160.8
85°	71.5	95.3	83.4	73.5	69.5
87.5°	29.8	25.8	13.9	6.0	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)