

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: P302454

Luminaire Tested: **ZX-WO-50L935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302454
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-50L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (224)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4022.5 lumens
Efficiency: N/A
Efficacy: 104.2 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

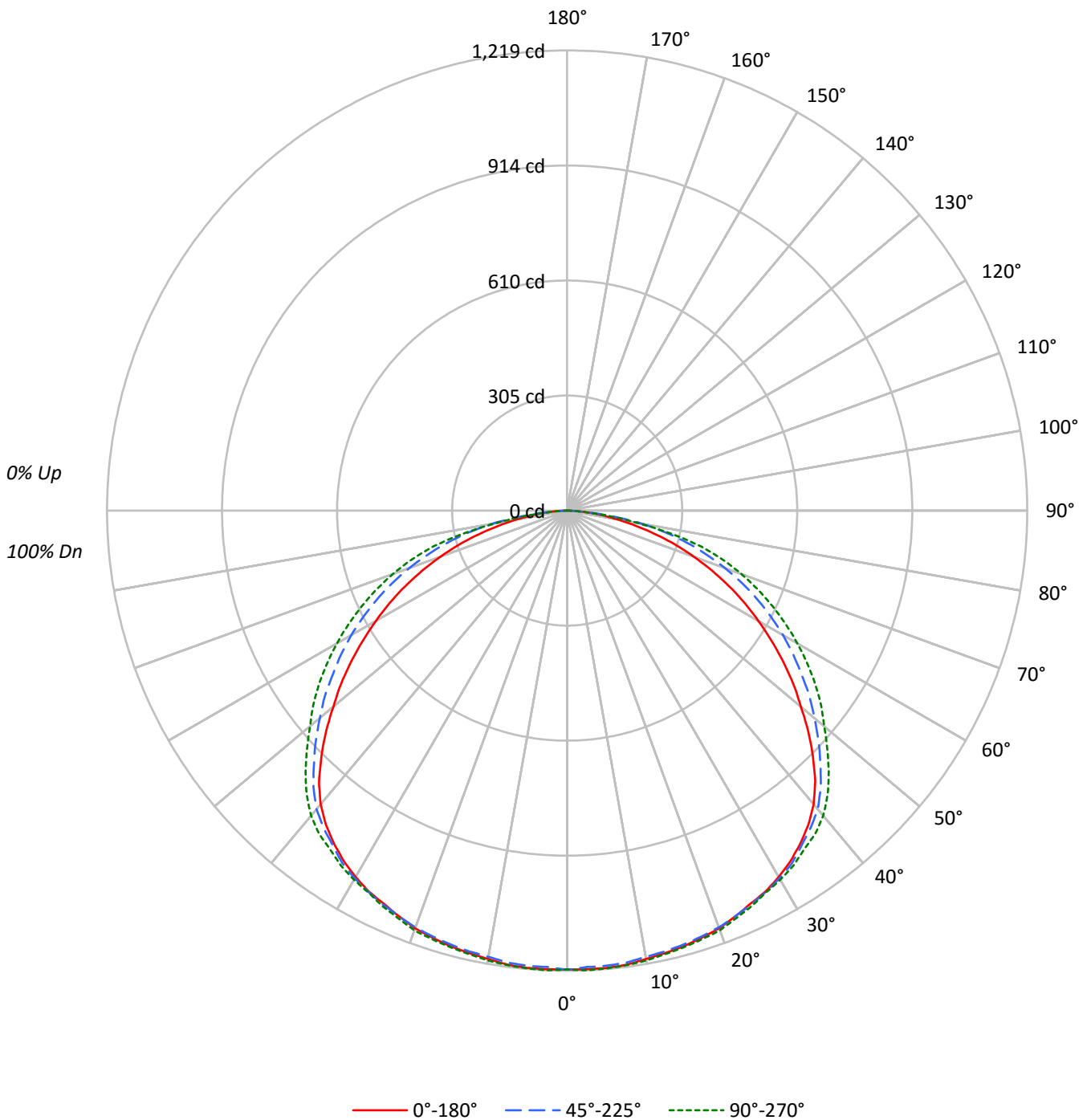
Input Watts (W): 38.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1636	1636	1636
5°	1642	1635	1644
10°	1648	1640	1653
15°	1664	1658	1668
20°	1686	1682	1694
25°	1706	1710	1717
30°	1741	1748	1755
35°	1769	1778	1799
40°	1784	1814	1854
45°	1752	1806	1865
50°	1692	1790	1861
55°	1639	1779	1883
60°	1575	1777	1896
65°	1506	1768	1913
70°	1402	1749	1934
75°	1255	1706	1905
80°	1045	1574	1464
85°	789	922	767



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.7	2.9
10°-20°	337.9	8.4
20°-30°	533.0	13.2
30°-40°	680.4	16.9
40°-50°	732.9	18.2
50°-60°	675.3	16.8
60°-70°	540.1	13.4
70°-80°	331.5	8.2
80°-90°	75.6	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°	986.6	24.5
0°-40°	1667.0	41.4
0°-60°	3075.3	76.5
0°-90°	4022.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4022.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1216	1216	1216	1216	1216	
5°	1216	1216	1210	1217	1217	116
15°	1195	1196	1190	1198	1198	338
25°	1149	1151	1152	1158	1156	532
35°	1077	1080	1082	1094	1095	673
45°	920	930	949	973	980	709
55°	699	717	758	793	803	625
65°	473	504	555	590	601	467
75°	242	280	328	358	366	257
85°	51	68	60	53	50	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1215.9	1215.9	1215.9	1215.9	1215.9
2.5°	1215.9	1217.3	1210.2	1217.3	1218.8
5°	1215.9	1215.9	1210.2	1217.3	1217.3
7.5°	1213.1	1213.1	1207.4	1214.5	1214.5
10°	1206.0	1206.0	1200.3	1207.4	1210.2
12.5°	1200.3	1200.3	1196.0	1203.1	1203.1
15°	1194.6	1196.0	1190.4	1197.5	1197.5
17.5°	1186.1	1186.1	1183.2	1188.9	1190.4
20°	1177.6	1177.6	1174.7	1181.8	1183.2
22.5°	1163.4	1164.8	1163.4	1169.0	1169.0
25°	1149.2	1150.6	1152.0	1157.7	1156.3
27.5°	1137.8	1139.2	1139.2	1144.9	1140.6
30°	1120.7	1125.0	1125.0	1127.9	1129.3
32.5°	1100.9	1106.5	1108.0	1113.6	1115.1
35°	1076.7	1079.6	1082.4	1093.8	1095.2
37.5°	1049.7	1056.8	1059.7	1075.3	1079.6
40°	1015.6	1024.2	1032.7	1052.6	1055.4
42.5°	973.0	983.0	994.3	1015.6	1021.3
45°	920.5	930.4	948.9	973.0	980.1
47.5°	866.5	877.8	903.4	929.0	934.7
50°	808.2	825.3	855.1	885.0	889.2
52.5°	755.7	772.7	809.7	840.9	848.0
55°	698.9	717.3	758.5	792.6	802.6
57.5°	642.1	666.2	710.2	744.3	754.3
60°	585.2	610.8	660.5	691.8	704.6
62.5°	529.8	558.2	608.0	643.5	653.4
65°	473.0	504.3	555.4	589.5	600.9
67.5°	414.8	447.4	501.4	535.5	546.9
70°	356.5	393.5	444.6	481.5	491.5
72.5°	301.1	335.2	386.4	419.0	431.8
75°	241.5	279.8	328.1	358.0	366.5
77.5°	187.5	224.4	267.0	285.5	282.7
80°	134.9	173.3	203.1	197.4	188.9
82.5°	90.9	122.2	126.4	117.9	115.1
85°	51.1	68.2	59.7	52.6	49.7
87.5°	21.3	18.5	9.9	4.3	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)