

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: P302444

Luminaire Tested: **ZX-WO-50L930-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302444  
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-50L930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (224)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3877.9 lumens  
Efficiency: N/A  
Efficacy: 100.5 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

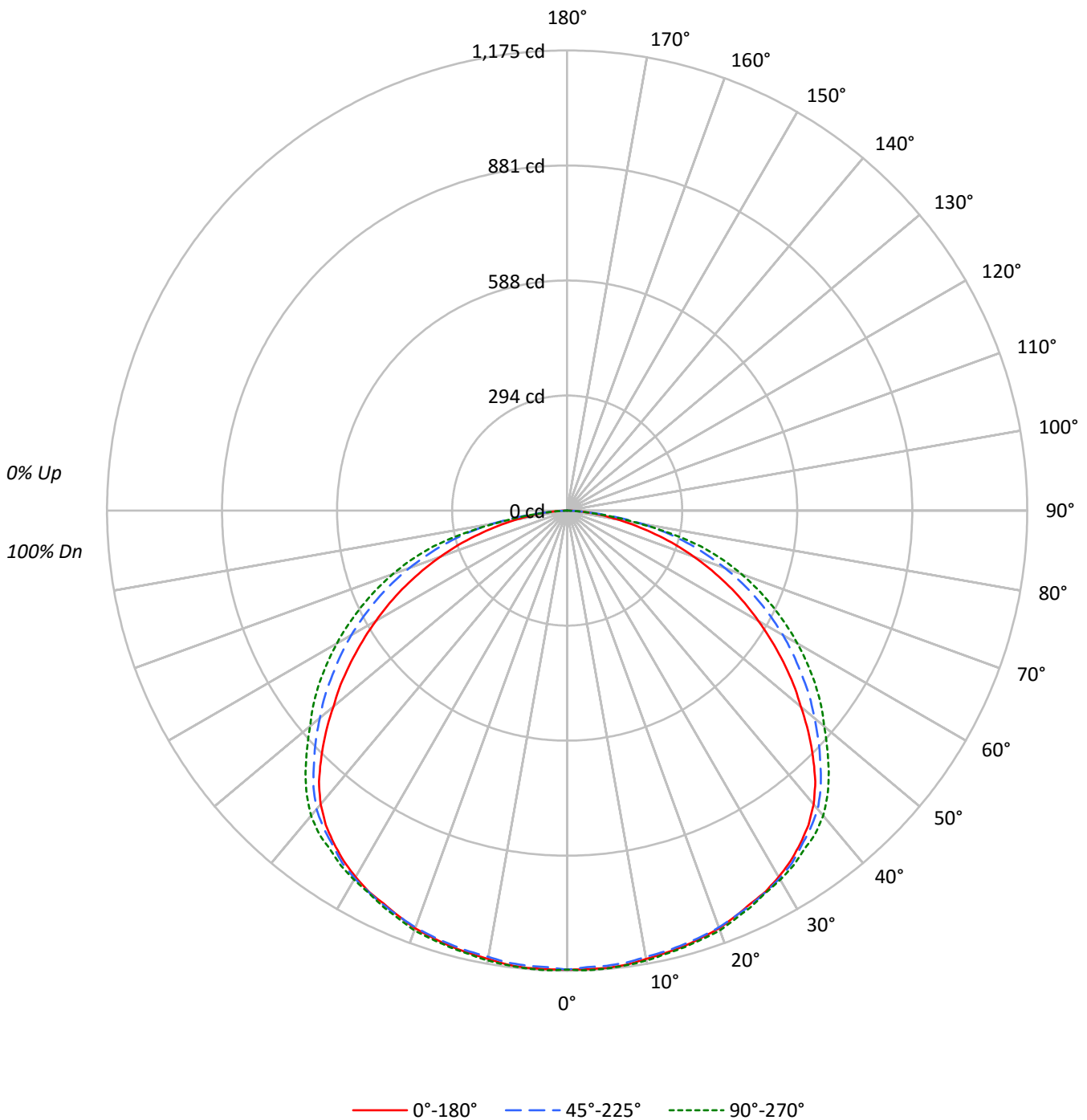
Input Watts (W): 38.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
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
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85
2	98	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1577	1577	1577
5°	1583	1576	1585
10°	1588	1581	1594
15°	1604	1598	1608
20°	1625	1622	1633
25°	1645	1649	1655
30°	1679	1685	1691
35°	1705	1714	1734
40°	1720	1749	1787
45°	1689	1740	1798
50°	1631	1726	1794
55°	1580	1715	1815
60°	1518	1714	1828
65°	1452	1705	1844
70°	1352	1686	1864
75°	1210	1644	1837
80°	1008	1517	1411
85°	761	888	739



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.5	2.9
10°-20°	325.8	8.4
20°-30°	513.8	13.2
30°-40°	656.0	16.9
40°-50°	706.6	18.2
50°-60°	651.0	16.8
60°-70°	520.7	13.4
70°-80°	319.6	8.2
80°-90°	72.9	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°	951.1	24.5
0°-40°	1607.0	41.4
0°-60°	2964.6	76.5
0°-90°	3877.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3877.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1172	1172	1172	1172	1172	
5°	1172	1172	1167	1174	1174	112
15°	1152	1153	1148	1154	1154	326
25°	1108	1109	1111	1116	1115	512
35°	1038	1041	1044	1054	1056	649
45°	887	897	915	938	945	683
55°	674	692	731	764	774	602
65°	456	486	535	568	579	450
75°	233	270	316	345	353	248
85°	49	66	58	51	48	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1172.2	1172.2	1172.2	1172.2	1172.2
2.5°	1172.2	1173.6	1166.7	1173.6	1174.9
5°	1172.2	1172.2	1166.7	1173.6	1173.6
7.5°	1169.5	1169.5	1164.0	1170.8	1170.8
10°	1162.6	1162.6	1157.1	1164.0	1166.7
12.5°	1157.1	1157.1	1153.0	1159.9	1159.9
15°	1151.7	1153.0	1147.5	1154.4	1154.4
17.5°	1143.4	1143.4	1140.7	1146.2	1147.5
20°	1135.2	1135.2	1132.5	1139.3	1140.7
22.5°	1121.5	1122.9	1121.5	1127.0	1127.0
25°	1107.8	1109.2	1110.6	1116.0	1114.7
27.5°	1096.9	1098.2	1098.2	1103.7	1099.6
30°	1080.4	1084.6	1084.6	1087.3	1088.7
32.5°	1061.3	1066.7	1068.1	1073.6	1075.0
35°	1038.0	1040.7	1043.5	1054.4	1055.8
37.5°	1012.0	1018.8	1021.6	1036.6	1040.7
40°	979.1	987.3	995.5	1014.7	1017.5
42.5°	938.0	947.6	958.6	979.1	984.6
45°	887.4	896.9	914.7	938.0	944.9
47.5°	835.3	846.3	870.9	895.6	901.1
50°	779.2	795.6	824.4	853.1	857.2
52.5°	728.5	744.9	780.5	810.7	817.5
55°	673.7	691.5	731.3	764.1	773.7
57.5°	619.0	642.2	684.7	717.6	727.1
60°	564.2	588.8	636.8	666.9	679.2
62.5°	510.8	538.2	586.1	620.3	629.9
65°	456.0	486.1	535.4	568.3	579.2
67.5°	399.9	431.4	483.4	516.3	527.2
70°	343.7	379.3	428.6	464.2	473.8
72.5°	290.3	323.2	372.5	404.0	416.3
75°	232.8	269.8	316.3	345.1	353.3
77.5°	180.8	216.4	257.4	275.2	272.5
80°	130.1	167.1	195.8	190.3	182.1
82.5°	87.6	117.8	121.9	113.7	110.9
85°	49.3	65.7	57.5	50.7	47.9
87.5°	20.5	17.8	9.6	4.1	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)