

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: P302442

Luminaire Tested: **ZX-WO-40L930-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302442  
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-40L930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (168)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3112.0 lumens  
Efficiency: N/A  
Efficacy: 101.7 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

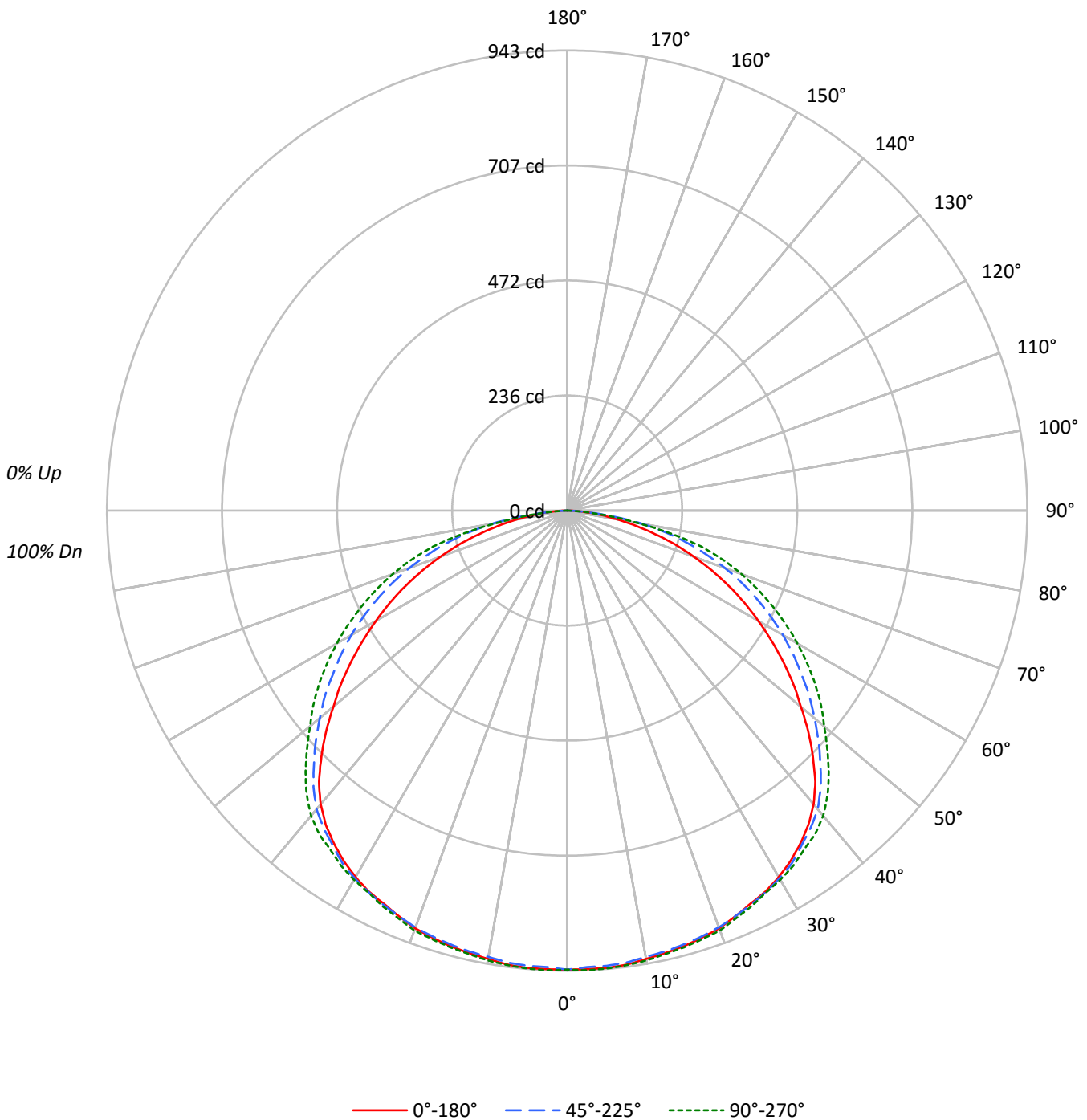
Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1266	1266	1266
5°	1271	1265	1272
10°	1275	1269	1279
15°	1287	1283	1290
20°	1304	1301	1311
25°	1320	1323	1328
30°	1347	1352	1357
35°	1368	1375	1392
40°	1380	1403	1434
45°	1355	1397	1443
50°	1309	1385	1440
55°	1268	1377	1457
60°	1218	1375	1467
65°	1165	1368	1480
70°	1085	1353	1496
75°	971	1319	1474
80°	809	1217	1133
85°	611	713	594



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.5	2.9
10°-20°	261.4	8.4
20°-30°	412.3	13.2
30°-40°	526.4	16.9
40°-50°	567.0	18.2
50°-60°	522.4	16.8
60°-70°	417.9	13.4
70°-80°	256.5	8.2
80°-90°	58.5	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°	763.2	24.5
0°-40°	1289.6	41.4
0°-60°	2379.1	76.5
0°-90°	3112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3112.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	941	941	941	941	941	
5°	941	941	936	942	942	90
15°	924	925	921	926	926	261
25°	889	890	891	896	894	411
35°	833	835	837	846	847	521
45°	712	720	734	753	758	548
55°	541	555	587	613	621	483
65°	366	390	430	456	465	361
75°	187	216	254	277	284	199
85°	40	53	46	41	38	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	940.7	940.7	940.7	940.7	940.7
2.5°	940.7	941.8	936.3	941.8	942.9
5°	940.7	940.7	936.3	941.8	941.8
7.5°	938.5	938.5	934.1	939.6	939.6
10°	933.0	933.0	928.6	934.1	936.3
12.5°	928.6	928.6	925.3	930.8	930.8
15°	924.2	925.3	920.9	926.4	926.4
17.5°	917.6	917.6	915.4	919.8	920.9
20°	911.0	911.0	908.8	914.3	915.4
22.5°	900.0	901.1	900.0	904.4	904.4
25°	889.0	890.1	891.2	895.6	894.5
27.5°	880.2	881.3	881.3	885.7	882.4
30°	867.0	870.3	870.3	872.5	873.6
32.5°	851.7	856.1	857.2	861.5	862.6
35°	833.0	835.2	837.4	846.2	847.3
37.5°	812.1	817.6	819.8	831.9	835.2
40°	785.7	792.3	798.9	814.3	816.5
42.5°	752.8	760.4	769.2	785.7	790.1
45°	712.1	719.8	734.1	752.8	758.3
47.5°	670.3	679.1	698.9	718.7	723.1
50°	625.3	638.5	661.5	684.6	687.9
52.5°	584.6	597.8	626.4	650.6	656.1
55°	540.7	555.0	586.8	613.2	620.9
57.5°	496.7	515.4	549.5	575.8	583.5
60°	452.8	472.5	511.0	535.2	545.1
62.5°	409.9	431.9	470.3	497.8	505.5
65°	365.9	390.1	429.7	456.0	464.8
67.5°	320.9	346.2	387.9	414.3	423.1
70°	275.8	304.4	344.0	372.5	380.2
72.5°	233.0	259.3	298.9	324.2	334.1
75°	186.8	216.5	253.8	276.9	283.5
77.5°	145.1	173.6	206.6	220.9	218.7
80°	104.4	134.1	157.1	152.7	146.2
82.5°	70.3	94.5	97.8	91.2	89.0
85°	39.6	52.7	46.2	40.7	38.5
87.5°	16.5	14.3	7.7	3.3	2.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)