

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: P302076

Luminaire Tested: **ZX-WO-39L930-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-39L930-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
FLAT LENS  
Light Source: (196)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3318.1 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

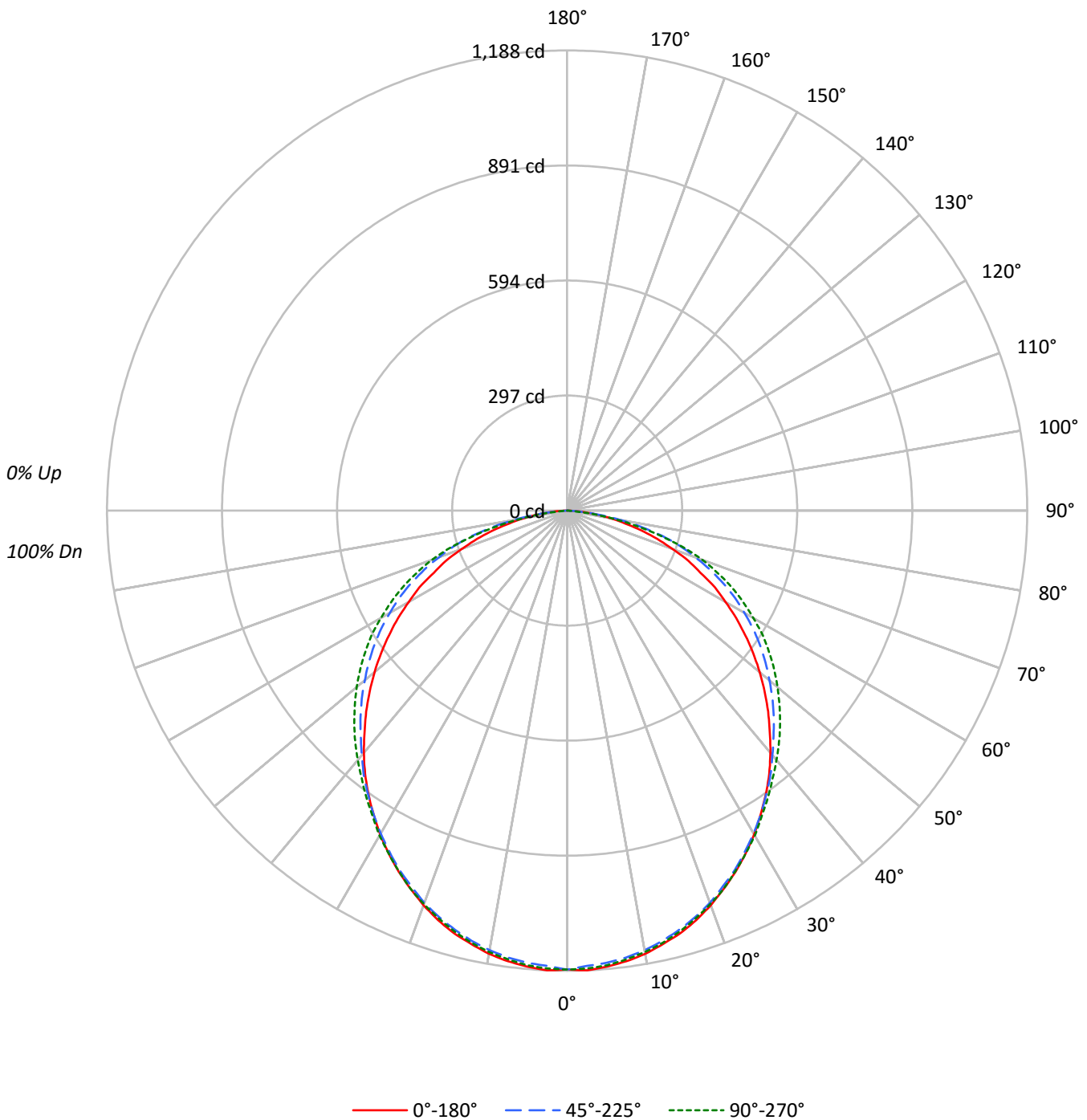
Input Watts (W): 29.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69					69			
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50					50			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

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

	0°	45°	90°
0°	3189	3189	3189
5°	3192	3166	3183
10°	3175	3149	3162
15°	3147	3120	3134
20°	3105	3086	3096
25°	3055	3041	3051
30°	3001	2991	3011
35°	2938	2943	2970
40°	2868	2896	2954
45°	2792	2872	2959
50°	2718	2854	2969
55°	2635	2856	2985
60°	2542	2848	2988
65°	2418	2832	2987
70°	2273	2771	2924
75°	2059	2649	2565
80°	1760	2139	1886
85°	1254	1003	299



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.8	3.4
10°-20°	317.3	9.6
20°-30°	473.2	14.3
30°-40°	562.2	16.9
40°-50°	583.6	17.6
50°-60°	539.7	16.3
60°-70°	429.9	13.0
70°-80°	251.6	7.6
80°-90°	48.8	1.5
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°	902.2	27.2
0°-40°	1464.5	44.1
0°-60°	2587.8	78.0
0°-90°	3318.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3318.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1185	1185	1185	1185	1185	
5°	1182	1178	1172	1178	1178	112
15°	1130	1128	1120	1128	1125	318
25°	1029	1027	1024	1029	1027	474
35°	894	894	896	902	904	559
45°	734	742	755	773	778	566
55°	562	578	609	630	636	502
65°	380	407	445	463	469	378
75°	198	230	255	252	247	210
85°	41	49	32	16	10	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1184.9	1184.9	1184.9	1184.9	1184.9
2.5°	1188.1	1184.9	1176.8	1184.9	1183.2
5°	1181.6	1178.4	1171.9	1178.4	1178.4
7.5°	1173.5	1170.3	1163.8	1170.3	1168.6
10°	1162.1	1158.9	1152.4	1158.9	1157.3
12.5°	1145.9	1144.3	1137.8	1144.3	1142.7
15°	1129.7	1128.1	1119.9	1128.1	1124.8
17.5°	1108.6	1107.0	1100.5	1105.3	1103.7
20°	1084.2	1081.0	1077.7	1082.6	1081.0
22.5°	1056.6	1055.0	1050.1	1058.3	1056.6
25°	1029.0	1027.4	1024.2	1029.0	1027.4
27.5°	998.2	996.6	993.3	999.8	998.2
30°	965.7	965.7	962.5	970.6	969.0
32.5°	930.0	930.0	930.0	934.9	934.9
35°	894.3	894.3	896.0	902.4	904.1
37.5°	857.0	857.0	861.9	871.6	871.6
40°	816.4	819.7	824.5	839.1	840.8
42.5°	774.2	780.7	788.8	806.7	809.9
45°	733.6	741.8	754.7	772.6	777.5
47.5°	691.4	701.2	719.0	738.5	743.4
50°	649.2	662.2	681.7	704.4	709.3
52.5°	605.4	620.0	646.0	668.7	673.6
55°	561.6	577.8	608.7	629.8	636.3
57.5°	517.8	535.6	569.7	590.8	598.9
60°	472.3	491.8	529.1	548.6	555.1
62.5°	430.1	451.2	488.6	506.4	512.9
65°	379.8	407.4	444.7	462.6	469.1
67.5°	339.2	365.2	399.3	418.8	420.4
70°	288.9	321.4	352.2	368.4	371.7
72.5°	243.5	275.9	306.8	313.3	313.3
75°	198.0	230.5	254.8	251.6	246.7
77.5°	152.6	185.0	198.0	186.7	181.8
80°	113.6	141.2	138.0	126.6	121.7
82.5°	74.7	95.8	81.2	68.2	61.7
85°	40.6	48.7	32.5	16.2	9.7
87.5°	14.6	9.7	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)