

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: P302334

Luminaire Tested: **ZX-WO-40H935-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302334  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-40H935-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (252)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

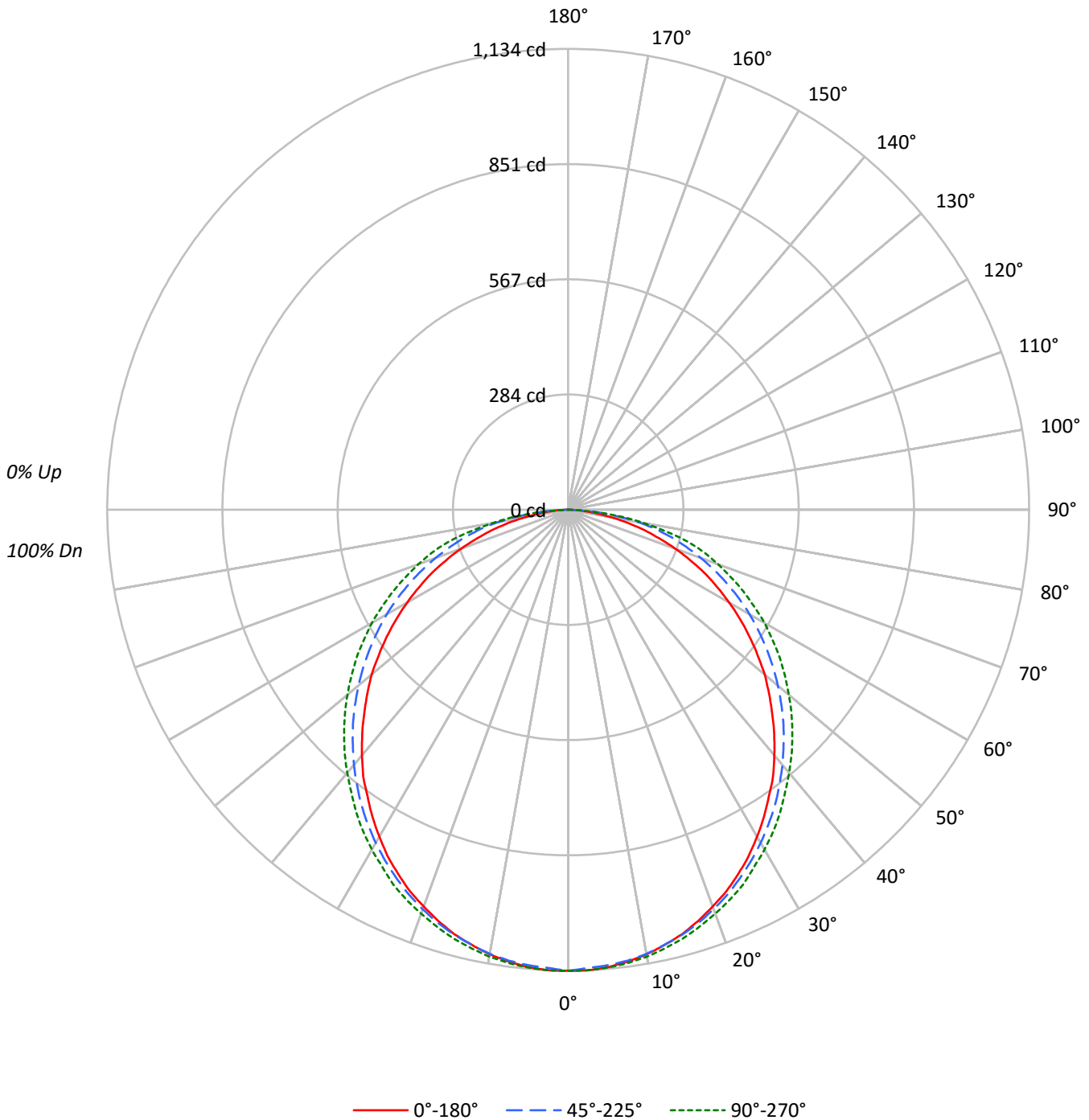
Lumens per Lamp: N/A  
Luminaire Lumens: 3302.3 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.2  
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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83					83			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68					68			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57					57			
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42					42			
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37					37			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32					32			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

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

	0°	45°	90°
0°	1526	1526	1526
5°	1526	1520	1528
10°	1518	1516	1526
15°	1506	1508	1521
20°	1488	1498	1515
25°	1469	1485	1511
30°	1444	1471	1501
35°	1414	1457	1494
40°	1386	1440	1485
45°	1351	1425	1483
50°	1321	1410	1484
55°	1278	1397	1491
60°	1231	1387	1501
65°	1183	1374	1513
70°	1104	1364	1540
75°	1005	1367	1588
80°	831	1352	1462
85°	638	1074	1037



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.3	3.2
10°-20°	306.3	9.3
20°-30°	462.0	14.0
30°-40°	554.7	16.8
40°-50°	576.9	17.5
50°-60°	530.6	16.1
60°-70°	422.9	12.8
70°-80°	268.0	8.1
80°-90°	73.7	2.2
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°	875.6	26.5
0°-40°	1430.3	43.3
0°-60°	2537.8	76.8
0°-90°	3302.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3302.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1134	1134	1134	1134	1134	
5°	1130	1130	1125	1131	1131	107
15°	1081	1081	1083	1091	1092	305
25°	990	994	1000	1014	1018	456
35°	861	870	887	903	909	539
45°	710	725	749	772	780	548
55°	545	562	596	625	636	487
65°	372	390	432	465	475	366
75°	193	218	263	296	305	203
85°	41	59	70	68	67	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1134.5	1134.5	1134.5	1134.5	1134.5
2.5°	1134.5	1134.5	1128.6	1134.5	1134.5
5°	1129.8	1129.8	1125.1	1131.0	1131.0
7.5°	1121.5	1122.7	1119.2	1125.1	1125.1
10°	1110.9	1112.1	1109.8	1116.8	1116.8
12.5°	1096.8	1098.0	1096.8	1105.0	1105.0
15°	1081.4	1081.4	1082.6	1090.9	1092.1
17.5°	1061.4	1063.8	1066.1	1075.6	1075.6
20°	1039.0	1042.5	1046.1	1057.9	1057.9
22.5°	1016.6	1020.1	1024.8	1036.6	1039.0
25°	989.5	994.2	1000.1	1014.2	1017.8
27.5°	961.2	964.7	974.1	989.5	990.6
30°	929.3	935.2	947.0	962.3	965.9
32.5°	896.3	904.5	917.5	935.2	938.8
35°	860.9	870.3	886.9	903.4	909.3
37.5°	827.9	835.0	853.8	872.7	876.2
40°	789.0	799.6	819.6	840.9	845.6
42.5°	750.1	761.9	784.3	805.5	813.7
45°	710.0	725.3	748.9	772.5	779.5
47.5°	669.9	686.4	711.1	737.1	745.3
50°	630.9	646.3	673.4	700.5	708.8
52.5°	587.3	605.0	634.5	664.0	672.2
55°	544.9	562.5	595.6	625.0	635.7
57.5°	501.2	521.3	555.5	586.1	595.6
60°	457.6	478.8	515.4	546.0	557.8
62.5°	413.9	434.0	474.1	504.8	515.4
65°	371.5	390.4	431.6	464.7	475.3
67.5°	325.5	346.7	389.2	423.4	432.8
70°	280.7	301.9	346.7	382.1	391.5
72.5°	234.7	259.5	304.3	338.5	351.4
75°	193.4	218.2	263.0	296.0	305.4
77.5°	149.8	174.5	220.5	244.1	245.3
80°	107.3	135.6	174.5	184.0	188.7
82.5°	70.8	97.9	120.3	132.1	132.1
85°	41.3	59.0	69.6	68.4	67.2
87.5°	15.3	20.0	16.5	11.8	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)