

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: P302338

Luminaire Tested: **ZX-WO-60H935-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302338  
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-60H935-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

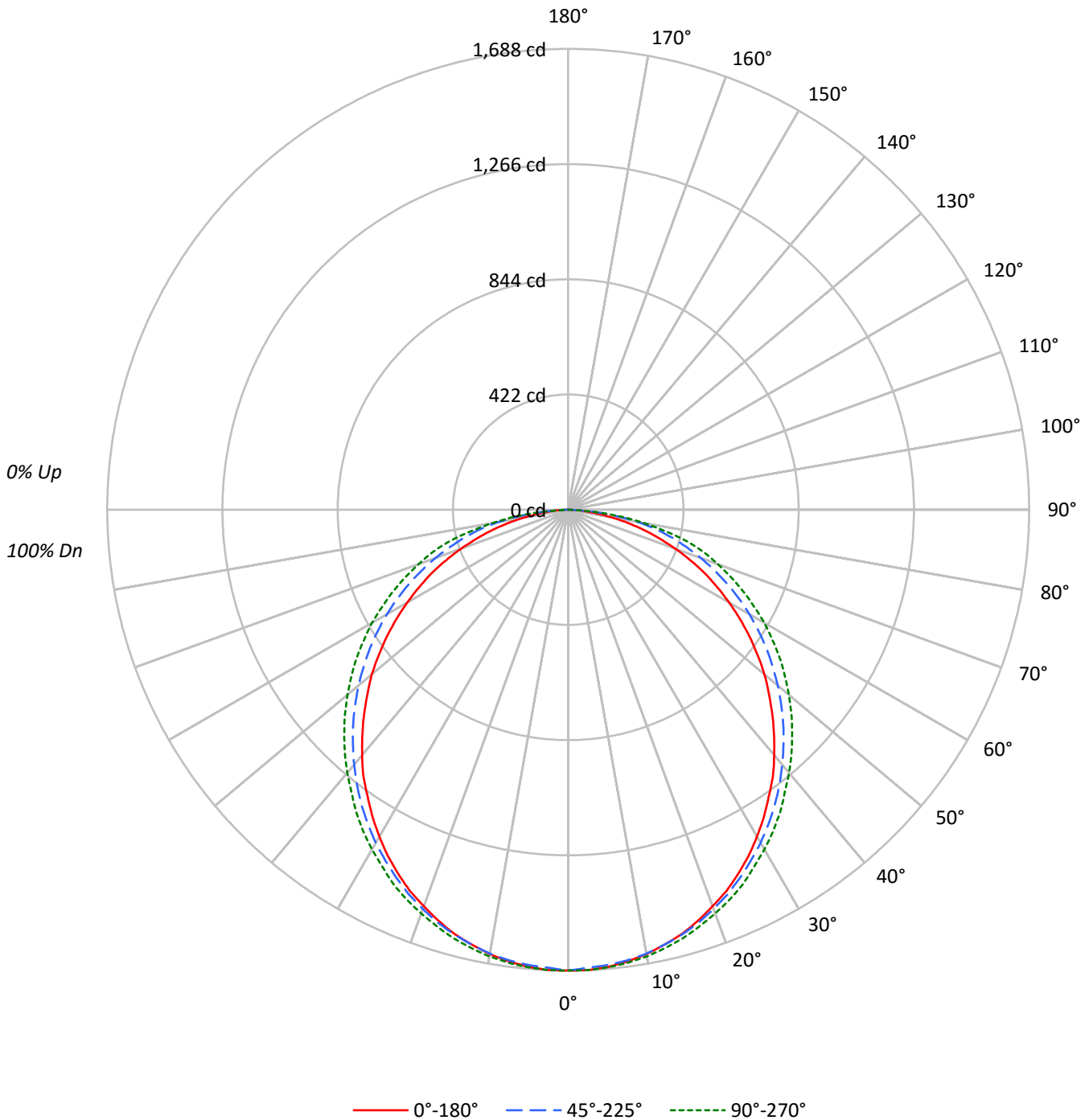
Lumens per Lamp: N/A  
Luminaire Lumens: 4912.9 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 41.5  
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	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

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

	0°	45°	90°
0°	2271	2271	2271
5°	2270	2261	2273
10°	2258	2256	2270
15°	2241	2243	2263
20°	2213	2228	2253
25°	2185	2209	2248
30°	2148	2189	2232
35°	2104	2167	2222
40°	2062	2142	2210
45°	2010	2120	2207
50°	1965	2097	2207
55°	1901	2078	2218
60°	1832	2063	2233
65°	1760	2045	2251
70°	1643	2029	2292
75°	1496	2034	2362
80°	1237	2012	2175
85°	948	1598	1544



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.6	3.2
10°-20°	455.7	9.3
20°-30°	687.4	14.0
30°-40°	825.3	16.8
40°-50°	858.3	17.5
50°-60°	789.3	16.1
60°-70°	629.1	12.8
70°-80°	398.6	8.1
80°-90°	109.6	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°	1302.7	26.5
0°-40°	2127.9	43.3
0°-60°	3775.5	76.8
0°-90°	4912.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4912.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1688	1688	1688	1688	1688	
5°	1681	1681	1674	1683	1683	160
15°	1609	1609	1611	1623	1625	453
25°	1472	1479	1488	1509	1514	678
35°	1281	1295	1319	1344	1353	802
45°	1056	1079	1114	1149	1160	815
55°	811	837	886	930	946	724
65°	553	581	642	691	707	545
75°	288	325	391	440	454	303
85°	61	88	104	102	100	73
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1687.8	1687.8	1687.8	1687.8	1687.8
2.5°	1687.8	1687.8	1679.1	1687.8	1687.8
5°	1680.8	1680.8	1673.8	1682.6	1682.6
7.5°	1668.5	1670.3	1665.0	1673.8	1673.8
10°	1652.8	1654.5	1651.0	1661.5	1661.5
12.5°	1631.7	1633.5	1631.7	1644.0	1644.0
15°	1608.9	1608.9	1610.6	1622.9	1624.7
17.5°	1579.1	1582.6	1586.1	1600.1	1600.1
20°	1545.7	1551.0	1556.3	1573.8	1573.8
22.5°	1512.4	1517.7	1524.7	1542.2	1545.7
25°	1472.0	1479.1	1487.8	1508.9	1514.1
27.5°	1429.9	1435.2	1449.2	1472.0	1473.8
30°	1382.6	1391.3	1408.9	1431.7	1436.9
32.5°	1333.4	1345.7	1365.0	1391.3	1396.6
35°	1280.8	1294.8	1319.4	1344.0	1352.7
37.5°	1231.7	1242.2	1270.3	1298.3	1303.6
40°	1173.8	1189.6	1219.4	1251.0	1258.0
42.5°	1115.9	1133.4	1166.8	1198.3	1210.6
45°	1056.2	1079.0	1114.1	1149.2	1159.7
47.5°	996.6	1021.1	1058.0	1096.6	1108.9
50°	938.7	961.5	1001.8	1042.2	1054.5
52.5°	873.7	900.1	943.9	987.8	1000.1
55°	810.6	836.9	886.0	929.9	945.7
57.5°	745.7	775.5	826.4	872.0	886.0
60°	680.8	712.3	766.7	812.3	829.9
62.5°	615.8	645.7	705.3	750.9	766.7
65°	552.7	580.7	642.2	691.3	707.1
67.5°	484.2	515.8	579.0	629.9	643.9
70°	417.6	449.2	515.8	568.5	582.5
72.5°	349.1	386.0	452.7	503.5	522.8
75°	287.7	324.6	391.3	440.4	454.4
77.5°	222.8	259.7	328.1	363.2	364.9
80°	159.7	201.8	259.7	273.7	280.7
82.5°	105.3	145.6	179.0	196.5	196.5
85°	61.4	87.7	103.5	101.8	100.0
87.5°	22.8	29.8	24.6	17.5	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)