

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: P302328

Luminaire Tested: **ZX-WO-60H930-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302328  
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-60H930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

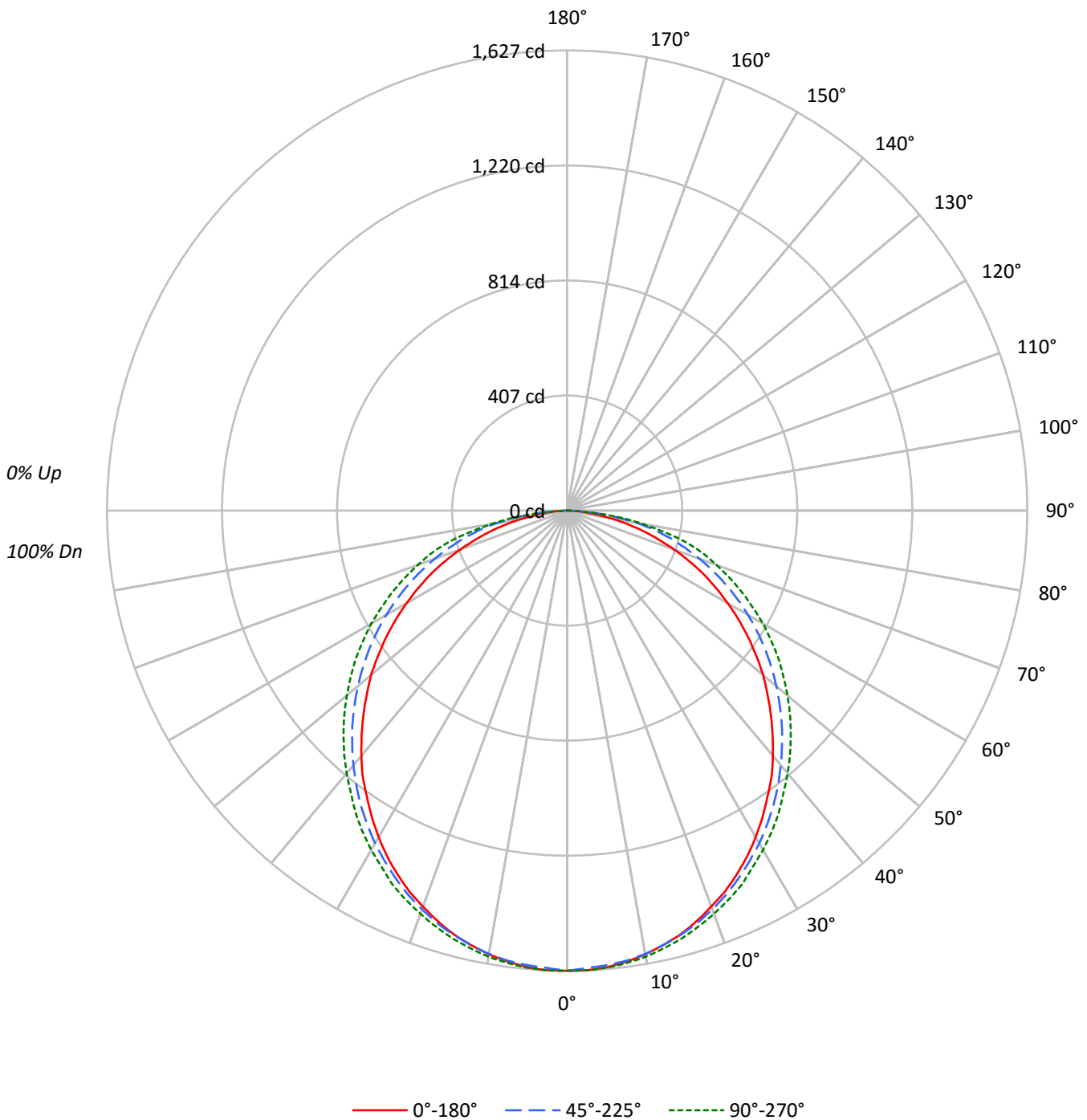
Lumens per Lamp: N/A  
Luminaire Lumens: 4736.2 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 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°	2189	2189	2189
5°	2189	2179	2191
10°	2177	2175	2188
15°	2160	2163	2182
20°	2134	2148	2172
25°	2107	2129	2167
30°	2071	2110	2152
35°	2028	2089	2142
40°	1988	2065	2130
45°	1937	2044	2127
50°	1894	2022	2128
55°	1833	2004	2139
60°	1766	1989	2153
65°	1696	1971	2170
70°	1584	1956	2209
75°	1442	1961	2277
80°	1192	1939	2097
85°	914	1541	1488



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.9	3.2
10°-20°	439.3	9.3
20°-30°	662.7	14.0
30°-40°	795.6	16.8
40°-50°	827.4	17.5
50°-60°	761.0	16.1
60°-70°	606.5	12.8
70°-80°	384.3	8.1
80°-90°	105.7	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°	1255.8	26.5
0°-40°	2051.4	43.3
0°-60°	3639.8	76.8
0°-90°	4736.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4736.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1627	1627	1627	1627	1627	
5°	1620	1620	1614	1622	1622	154
15°	1551	1551	1553	1565	1566	437
25°	1419	1426	1434	1455	1460	654
35°	1235	1248	1272	1296	1304	773
45°	1018	1040	1074	1108	1118	786
55°	781	807	854	896	912	698
65°	533	560	619	666	682	525
75°	277	313	377	424	438	292
85°	59	85	100	98	96	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1627.1	1627.1	1627.1	1627.1	1627.1
2.5°	1627.1	1627.1	1618.7	1627.1	1627.1
5°	1620.4	1620.4	1613.6	1622.1	1622.1
7.5°	1608.5	1610.2	1605.2	1613.6	1613.6
10°	1593.3	1595.0	1591.6	1601.8	1601.8
12.5°	1573.0	1574.7	1573.0	1584.9	1584.9
15°	1551.0	1551.0	1552.7	1564.6	1566.3
17.5°	1522.3	1525.7	1529.0	1542.6	1542.6
20°	1490.1	1495.2	1500.3	1517.2	1517.2
22.5°	1458.0	1463.1	1469.8	1486.8	1490.1
25°	1419.1	1425.9	1434.3	1454.6	1459.7
27.5°	1378.5	1383.6	1397.1	1419.1	1420.8
30°	1332.8	1341.3	1358.2	1380.2	1385.3
32.5°	1285.5	1297.3	1315.9	1341.3	1346.4
35°	1234.7	1248.3	1271.9	1295.6	1304.1
37.5°	1187.4	1197.5	1224.6	1251.6	1256.7
40°	1131.6	1146.8	1175.5	1206.0	1212.7
42.5°	1075.7	1092.7	1124.8	1155.2	1167.1
45°	1018.2	1040.2	1074.0	1107.9	1118.0
47.5°	960.7	984.4	1019.9	1057.1	1069.0
50°	904.9	926.9	965.8	1004.7	1016.5
52.5°	842.3	867.7	910.0	952.3	964.1
55°	781.4	806.8	854.2	896.5	911.7
57.5°	718.9	747.6	796.7	840.6	854.2
60°	656.3	686.7	739.1	783.1	800.0
62.5°	593.7	622.4	679.9	723.9	739.1
65°	532.8	559.9	619.1	666.4	681.6
67.5°	466.8	497.3	558.2	607.2	620.7
70°	402.6	433.0	497.3	548.0	561.5
72.5°	336.6	372.1	436.4	485.4	504.0
75°	277.4	312.9	377.2	424.5	438.1
77.5°	214.8	250.3	316.3	350.1	351.8
80°	153.9	194.5	250.3	263.9	270.6
82.5°	101.5	140.4	172.5	189.4	189.4
85°	59.2	84.6	99.8	98.1	96.4
87.5°	22.0	28.8	23.7	16.9	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)