

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: P302288

Luminaire Tested: **RX-WO-60H940-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302288  
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: RX-WO-60H940-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4958.8 lumens  
Efficiency: N/A  
Efficacy: 119.5 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

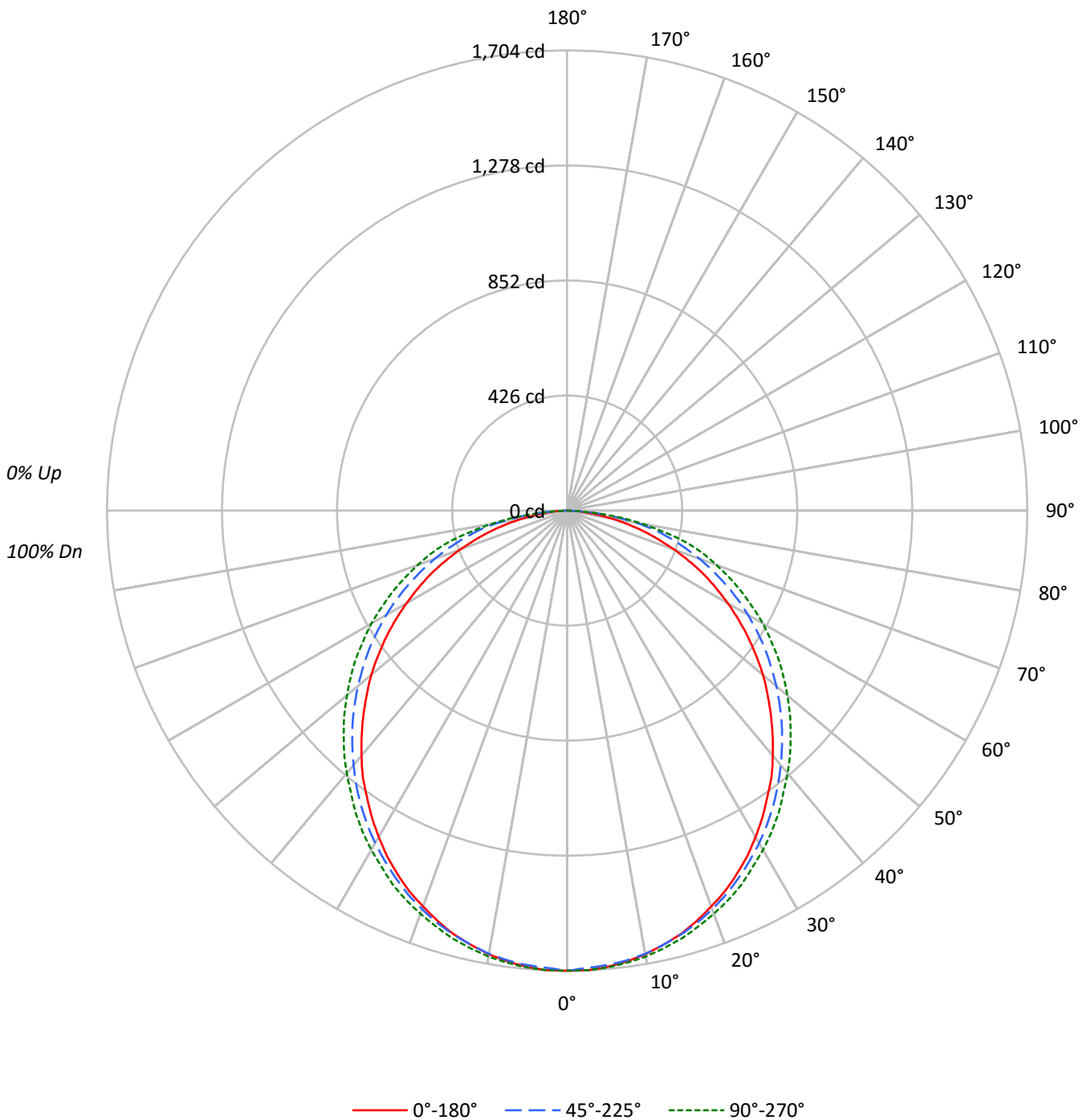
Input Watts (W): 41.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2292	2292	2292
5°	2291	2282	2294
10°	2279	2277	2291
15°	2262	2265	2284
20°	2234	2249	2274
25°	2206	2229	2269
30°	2168	2209	2253
35°	2123	2187	2243
40°	2081	2162	2230
45°	2029	2140	2227
50°	1983	2117	2228
55°	1919	2098	2239
60°	1849	2083	2254
65°	1776	2063	2272
70°	1658	2048	2313
75°	1510	2053	2385
80°	1249	2031	2195
85°	957	1613	1558



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.1	3.2
10°-20°	459.9	9.3
20°-30°	693.8	14.0
30°-40°	833.0	16.8
40°-50°	866.3	17.5
50°-60°	796.7	16.1
60°-70°	635.0	12.8
70°-80°	402.4	8.1
80°-90°	110.7	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°	1314.8	26.5
0°-40°	2147.8	43.3
0°-60°	3810.8	76.8
0°-90°	4958.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4958.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1704	1704	1704	1704	1704	
5°	1696	1696	1689	1698	1698	161
15°	1624	1624	1626	1638	1640	458
25°	1486	1493	1502	1523	1528	684
35°	1293	1307	1332	1356	1365	810
45°	1066	1089	1124	1160	1171	823
55°	818	845	894	939	954	731
65°	558	586	648	698	714	550
75°	290	328	395	444	459	306
85°	62	88	104	103	101	74
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1703.6	1703.6	1703.6	1703.6	1703.6
2.5°	1703.6	1703.6	1694.7	1703.6	1703.6
5°	1696.5	1696.5	1689.4	1698.3	1698.3
7.5°	1684.1	1685.9	1680.6	1689.4	1689.4
10°	1668.2	1670.0	1666.4	1677.0	1677.0
12.5°	1646.9	1648.7	1646.9	1659.3	1659.3
15°	1623.9	1623.9	1625.7	1638.1	1639.8
17.5°	1593.8	1597.3	1600.9	1615.1	1615.1
20°	1560.2	1565.5	1570.8	1588.5	1588.5
22.5°	1526.5	1531.8	1538.9	1556.6	1560.2
25°	1485.8	1492.9	1501.7	1523.0	1528.3
27.5°	1443.3	1448.6	1462.8	1485.8	1487.6
30°	1395.5	1404.3	1422.0	1445.0	1450.4
32.5°	1345.9	1358.3	1377.8	1404.3	1409.6
35°	1292.8	1306.9	1331.7	1356.5	1365.4
37.5°	1243.2	1253.8	1282.1	1310.5	1315.8
40°	1184.7	1200.7	1230.8	1262.6	1269.7
42.5°	1126.3	1144.0	1177.6	1209.5	1221.9
45°	1066.1	1089.1	1124.5	1159.9	1170.6
47.5°	1005.9	1030.7	1067.8	1106.8	1119.2
50°	947.4	970.4	1011.2	1051.9	1064.3
52.5°	881.9	908.5	952.7	997.0	1009.4
55°	818.2	844.7	894.3	938.6	954.5
57.5°	752.6	782.7	834.1	880.1	894.3
60°	687.1	719.0	773.9	819.9	837.6
62.5°	621.6	651.7	711.9	757.9	773.9
65°	557.8	586.2	648.1	697.7	713.7
67.5°	488.8	520.6	584.4	635.8	649.9
70°	421.5	453.3	520.6	573.8	587.9
72.5°	352.4	389.6	456.9	508.2	527.7
75°	290.4	327.6	394.9	444.5	458.7
77.5°	224.9	262.1	331.2	366.6	368.3
80°	161.2	203.7	262.1	276.3	283.3
82.5°	106.3	147.0	180.6	198.3	198.3
85°	62.0	88.5	104.5	102.7	100.9
87.5°	23.0	30.1	24.8	17.7	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)