

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: P302258

Luminaire Tested: **RX-WO-60H840-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302258  
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-60H840-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5938.3 lumens  
Efficiency: N/A  
Efficacy: 143.1 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

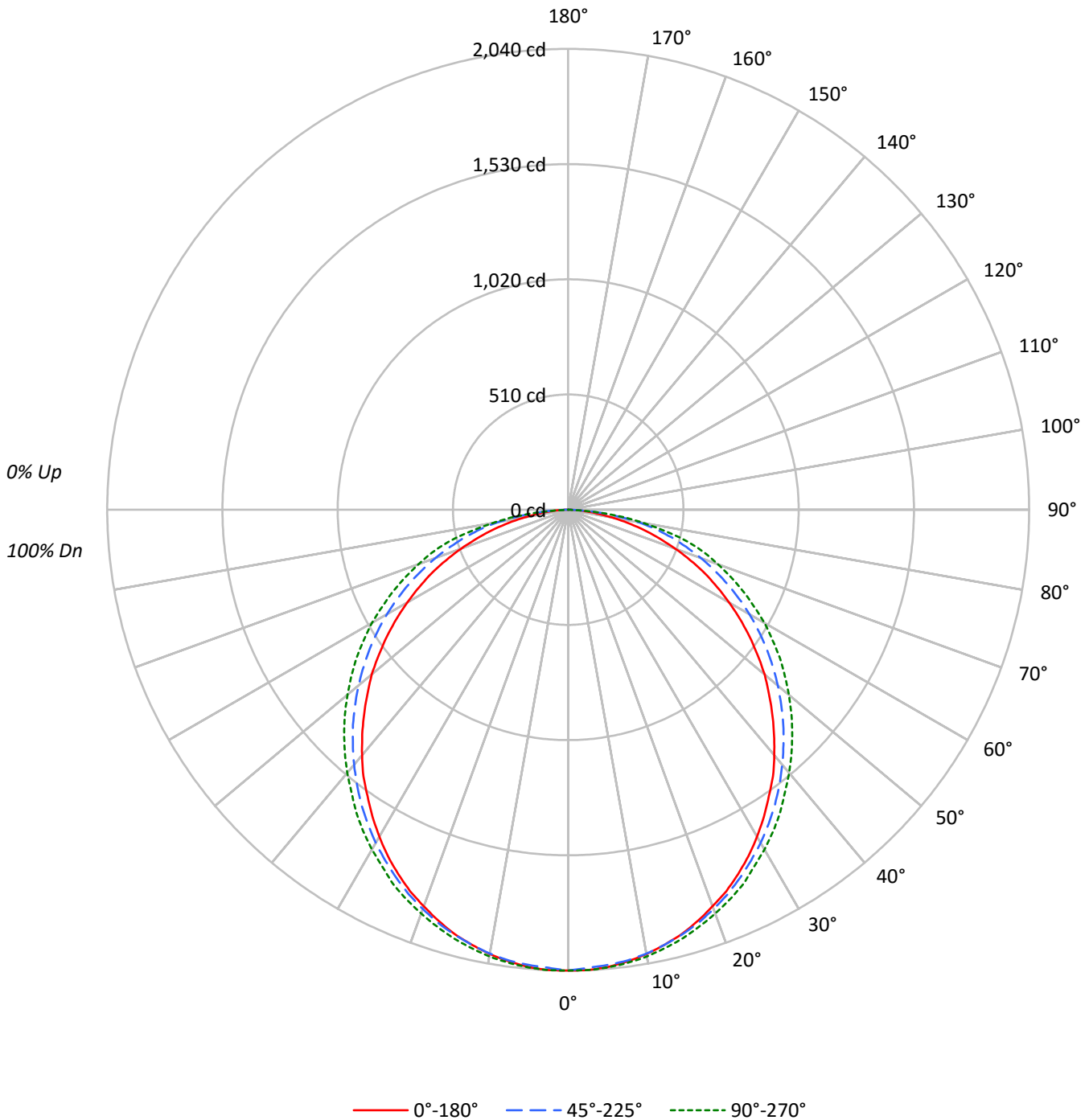
Input Watts (W): 41.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2745	2745	2745
5°	2744	2733	2747
10°	2729	2726	2744
15°	2709	2712	2735
20°	2675	2693	2724
25°	2642	2670	2717
30°	2596	2646	2699
35°	2543	2620	2686
40°	2492	2589	2671
45°	2429	2562	2667
50°	2375	2535	2668
55°	2298	2512	2681
60°	2214	2494	2699
65°	2127	2471	2721
70°	1985	2453	2770
75°	1808	2458	2856
80°	1495	2432	2629
85°	1145	1931	1866



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.9	3.2
10°-20°	550.8	9.3
20°-30°	830.9	14.0
30°-40°	997.5	16.8
40°-50°	1037.4	17.5
50°-60°	954.1	16.1
60°-70°	760.4	12.8
70°-80°	481.8	8.1
80°-90°	132.5	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°	1574.5	26.5
0°-40°	2572.1	43.3
0°-60°	4563.6	76.8
0°-90°	5938.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5938.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2040	2040	2040	2040	2040	
5°	2032	2032	2023	2034	2034	193
15°	1945	1945	1947	1962	1964	548
25°	1779	1788	1798	1824	1830	820
35°	1548	1565	1595	1624	1635	970
45°	1277	1304	1347	1389	1402	986
55°	980	1012	1071	1124	1143	876
65°	668	702	776	836	855	658
75°	348	392	473	532	549	366
85°	74	106	125	123	121	89
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2040.1	2040.1	2040.1	2040.1	2040.1
2.5°	2040.1	2040.1	2029.5	2040.1	2040.1
5°	2031.6	2031.6	2023.2	2033.8	2033.8
7.5°	2016.8	2018.9	2012.6	2023.2	2023.2
10°	1997.7	1999.8	1995.6	2008.3	2008.3
12.5°	1972.3	1974.4	1972.3	1987.1	1987.1
15°	1944.7	1944.7	1946.8	1961.7	1963.8
17.5°	1908.6	1912.9	1917.1	1934.1	1934.1
20°	1868.3	1874.7	1881.1	1902.3	1902.3
22.5°	1828.1	1834.4	1842.9	1864.1	1868.3
25°	1779.3	1787.8	1798.4	1823.8	1830.2
27.5°	1728.4	1734.7	1751.7	1779.3	1781.4
30°	1671.1	1681.7	1702.9	1730.5	1736.9
32.5°	1611.7	1626.6	1649.9	1681.7	1688.1
35°	1548.1	1565.1	1594.8	1624.5	1635.1
37.5°	1488.7	1501.5	1535.4	1569.3	1575.7
40°	1418.8	1437.8	1473.9	1512.1	1520.5
42.5°	1348.8	1370.0	1410.3	1448.4	1463.3
45°	1276.7	1304.2	1346.6	1389.1	1401.8
47.5°	1204.6	1234.3	1278.8	1325.4	1340.3
50°	1134.6	1162.1	1210.9	1259.7	1274.5
52.5°	1056.1	1087.9	1140.9	1194.0	1208.8
55°	979.8	1011.6	1071.0	1124.0	1143.1
57.5°	901.3	937.4	998.9	1054.0	1071.0
60°	822.8	861.0	926.7	981.9	1003.1
62.5°	744.4	780.4	852.5	907.7	926.7
65°	668.0	702.0	776.2	835.6	854.6
67.5°	585.3	623.5	699.8	761.3	778.3
70°	504.7	542.9	623.5	687.1	704.1
72.5°	422.0	466.6	547.1	608.6	632.0
75°	347.8	392.3	472.9	532.3	549.3
77.5°	269.3	313.9	396.6	439.0	441.1
80°	193.0	243.9	313.9	330.8	339.3
82.5°	127.2	176.0	216.3	237.5	237.5
85°	74.2	106.0	125.1	123.0	120.9
87.5°	27.6	36.1	29.7	21.2	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)