

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: P302238

Luminaire Tested: **RX-WO-60H830-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302238  
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-60H830-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

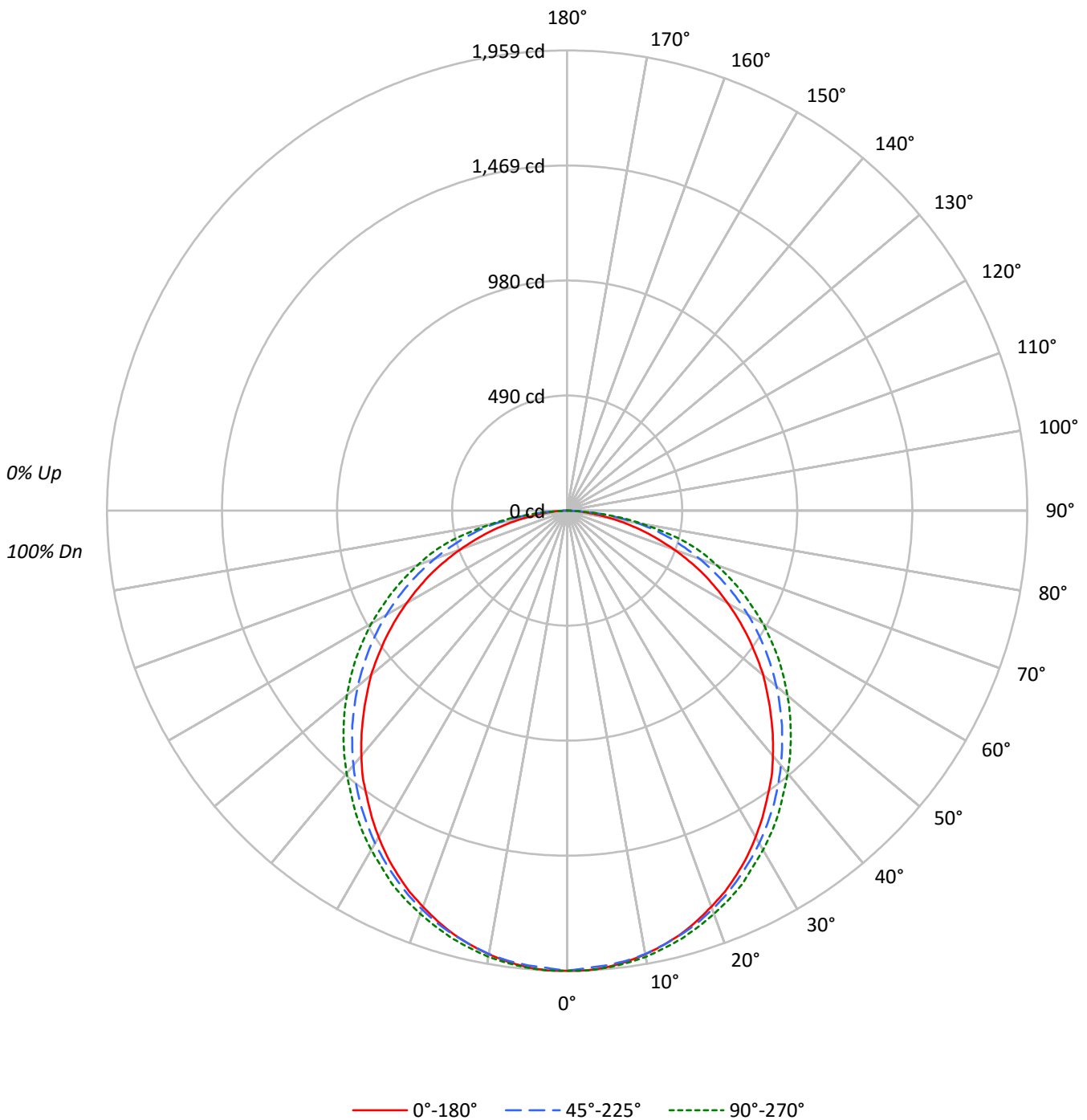
Lumens per Lamp: N/A  
Luminaire Lumens: 5703.3 lumens  
Efficiency: N/A  
Efficacy: 137.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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°	2636	2636	2636
5°	2635	2624	2638
10°	2621	2619	2635
15°	2602	2605	2627
20°	2569	2587	2616
25°	2537	2564	2609
30°	2494	2541	2592
35°	2442	2516	2579
40°	2393	2486	2565
45°	2333	2461	2562
50°	2281	2434	2562
55°	2207	2413	2575
60°	2127	2395	2592
65°	2043	2373	2613
70°	1907	2356	2660
75°	1736	2361	2742
80°	1436	2335	2525
85°	1101	1856	1792



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.3	3.2
10°-20°	529.0	9.3
20°-30°	798.0	14.0
30°-40°	958.0	16.8
40°-50°	996.4	17.5
50°-60°	916.3	16.1
60°-70°	730.3	12.8
70°-80°	462.8	8.1
80°-90°	127.3	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°	1512.2	26.5
0°-40°	2470.2	43.3
0°-60°	4382.9	76.8
0°-90°	5703.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5703.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1959	1959	1959	1959	1959	
5°	1951	1951	1943	1953	1953	185
15°	1868	1868	1870	1884	1886	526
25°	1709	1717	1727	1752	1758	787
35°	1487	1503	1532	1560	1570	931
45°	1226	1253	1293	1334	1346	947
55°	941	972	1029	1080	1098	841
65°	642	674	746	802	821	632
75°	334	377	454	511	528	351
85°	71	102	120	118	116	85
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1959.4	1959.4	1959.4	1959.4	1959.4
2.5°	1959.4	1959.4	1949.2	1959.4	1959.4
5°	1951.2	1951.2	1943.1	1953.3	1953.3
7.5°	1937.0	1939.0	1932.9	1943.1	1943.1
10°	1918.6	1920.7	1916.6	1928.8	1928.8
12.5°	1894.2	1896.2	1894.2	1908.5	1908.5
15°	1867.7	1867.7	1869.8	1884.0	1886.1
17.5°	1833.1	1837.2	1841.2	1857.5	1857.5
20°	1794.4	1800.5	1806.6	1827.0	1827.0
22.5°	1755.7	1761.8	1770.0	1790.3	1794.4
25°	1708.9	1717.0	1727.2	1751.6	1757.7
27.5°	1660.0	1666.1	1682.4	1708.9	1710.9
30°	1605.0	1615.2	1635.5	1662.0	1668.1
32.5°	1547.9	1562.2	1584.6	1615.2	1621.3
35°	1486.8	1503.1	1531.7	1560.2	1570.4
37.5°	1429.8	1442.0	1474.6	1507.2	1513.3
40°	1362.6	1380.9	1415.6	1452.2	1460.4
42.5°	1295.4	1315.8	1354.5	1391.1	1405.4
45°	1226.1	1252.6	1293.4	1334.1	1346.3
47.5°	1156.9	1185.4	1228.2	1273.0	1287.2
50°	1089.7	1116.2	1163.0	1209.8	1224.1
52.5°	1014.3	1044.9	1095.8	1146.7	1161.0
55°	941.0	971.5	1028.6	1079.5	1097.8
57.5°	865.6	900.3	959.3	1012.3	1028.6
60°	790.3	826.9	890.1	943.0	963.4
62.5°	714.9	749.5	818.8	871.7	890.1
65°	641.6	674.2	745.5	802.5	820.8
67.5°	562.1	598.8	672.1	731.2	747.5
70°	484.8	521.4	598.8	659.9	676.2
72.5°	405.3	448.1	525.5	584.6	607.0
75°	334.0	376.8	454.2	511.2	527.5
77.5°	258.7	301.4	380.9	421.6	423.6
80°	185.3	234.2	301.4	317.7	325.9
82.5°	122.2	169.1	207.8	228.1	228.1
85°	71.3	101.8	120.2	118.1	116.1
87.5°	26.5	34.6	28.5	20.4	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)