

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: P302396

Luminaire Tested: **RX-WO-55L935-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302396  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-55L935-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (224)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4411.6 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

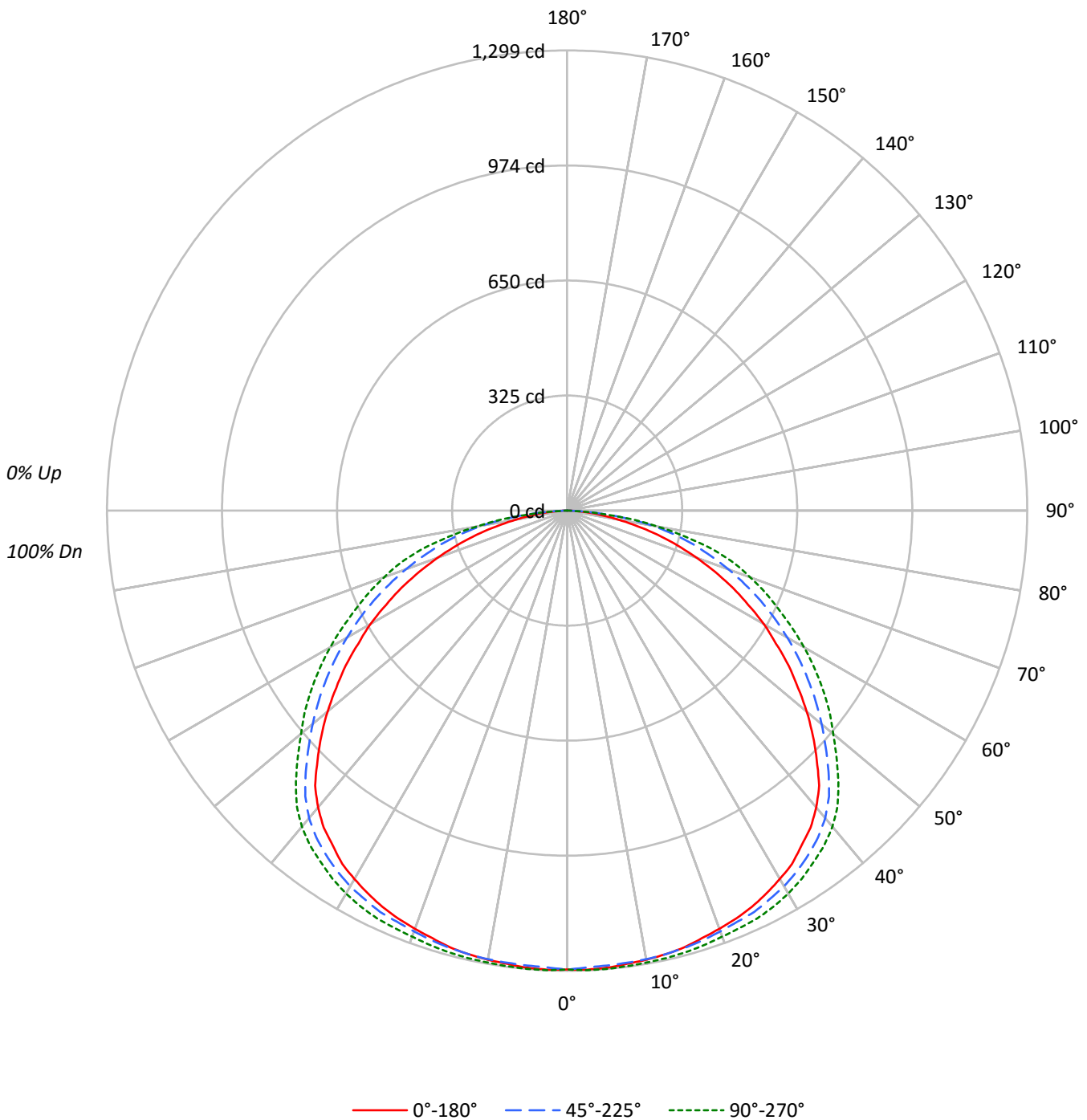
Input Watts (W): 43.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	94	105	101	97	93	96	93	90		93	90	87		89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51		62	56	50		60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44		55	49	43		54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38		50	43	38		48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33		45	38	33		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		41	35	30		40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27		38	31	26		37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24		35	29	24		34	28	24	22

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

	0°	45°	90°
0°	1743	1743	1743
5°	1750	1741	1754
10°	1759	1757	1770
15°	1778	1780	1798
20°	1799	1810	1832
25°	1832	1856	1886
30°	1866	1903	1939
35°	1895	1950	1991
40°	1922	1991	2046
45°	1896	1986	2061
50°	1849	1964	2053
55°	1791	1946	2068
60°	1728	1932	2080
65°	1644	1919	2095
70°	1530	1907	2161
75°	1375	1915	2218
80°	1134	1891	2025
85°	826	1409	1312



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.4	2.8
10°-20°	362.7	8.2
20°-30°	577.8	13.1
30°-40°	742.8	16.8
40°-50°	803.2	18.2
50°-60°	738.8	16.7
60°-70°	589.0	13.4
70°-80°	374.2	8.5
80°-90°	99.7	2.3
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°	1063.9	24.1
0°-40°	1806.7	41.0
0°-60°	3348.7	75.9
0°-90°	4411.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4411.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1296	1296	1296	1296	1296	
5°	1296	1296	1289	1297	1299	123
15°	1277	1278	1278	1289	1291	361
25°	1234	1239	1250	1264	1270	569
35°	1154	1166	1187	1209	1212	723
45°	996	1014	1044	1072	1083	768
55°	764	786	830	867	882	681
65°	516	543	603	647	658	510
75°	264	302	368	417	427	280
85°	54	83	91	91	85	67
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1295.5	1295.5	1295.5	1295.5	1295.5
2.5°	1297.1	1297.1	1290.8	1298.7	1298.7
5°	1295.5	1295.5	1289.2	1297.1	1298.7
7.5°	1290.8	1292.4	1287.6	1295.5	1297.1
10°	1287.6	1289.2	1286.1	1293.9	1295.5
12.5°	1282.9	1284.5	1282.9	1292.4	1293.9
15°	1276.6	1278.2	1278.2	1289.2	1290.8
17.5°	1265.6	1268.7	1271.9	1284.5	1286.1
20°	1256.2	1259.3	1264.0	1278.2	1279.8
22.5°	1246.7	1249.9	1256.2	1273.5	1275.0
25°	1234.1	1238.8	1249.9	1264.0	1270.3
27.5°	1218.4	1227.8	1237.3	1254.6	1260.9
30°	1201.1	1210.5	1224.7	1243.6	1248.3
32.5°	1182.2	1191.6	1207.4	1227.8	1232.5
35°	1153.8	1166.4	1186.9	1208.9	1212.1
37.5°	1128.6	1141.2	1163.3	1186.9	1191.6
40°	1094.0	1109.8	1133.4	1155.4	1164.9
42.5°	1053.1	1068.8	1094.0	1120.8	1130.2
45°	996.4	1013.7	1043.6	1072.0	1083.0
47.5°	941.3	957.1	990.1	1023.2	1031.1
50°	883.1	902.0	938.2	972.8	980.7
52.5°	821.7	845.3	884.7	920.9	933.5
55°	763.5	785.5	829.6	867.3	881.5
57.5°	698.9	725.7	774.5	815.4	828.0
60°	642.2	665.9	717.8	760.3	772.9
62.5°	576.1	604.5	661.1	703.6	714.7
65°	516.3	543.1	602.9	647.0	658.0
67.5°	451.8	483.3	543.1	588.7	606.0
70°	388.8	421.9	484.8	532.1	549.4
72.5°	325.8	362.0	425.0	473.8	495.8
75°	264.5	302.2	368.3	417.1	426.6
77.5°	203.1	245.6	308.5	343.2	343.2
80°	146.4	188.9	244.0	253.4	261.3
82.5°	97.6	136.9	166.9	176.3	177.9
85°	53.5	83.4	91.3	91.3	85.0
87.5°	20.5	26.8	18.9	9.4	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)