

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: P302390

Luminaire Tested: **RX-WO-75L930-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302390  
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-75L930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (392)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

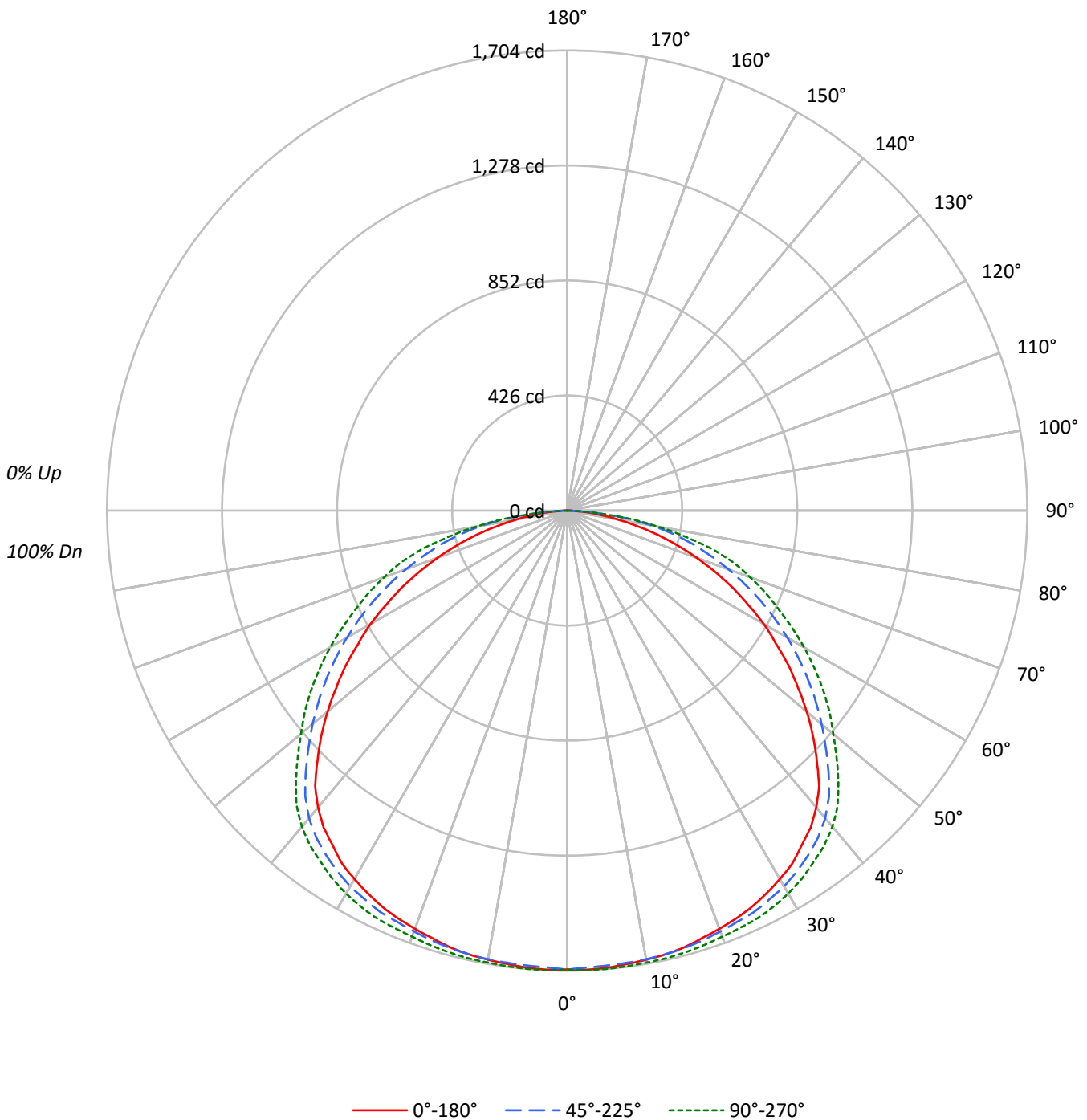
Lumens per Lamp: N/A  
Luminaire Lumens: 5787.4 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 55.4  
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°	2287	2287	2287
5°	2295	2284	2301
10°	2308	2305	2322
15°	2333	2336	2359
20°	2360	2374	2404
25°	2404	2434	2474
30°	2448	2496	2544
35°	2486	2557	2612
40°	2521	2611	2684
45°	2487	2605	2704
50°	2425	2576	2693
55°	2349	2553	2713
60°	2267	2534	2728
65°	2156	2518	2748
70°	2007	2502	2835
75°	1803	2512	2909
80°	1488	2480	2656
85°	1084	1849	1721



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.9	2.8
10°-20°	475.9	8.2
20°-30°	757.9	13.1
30°-40°	974.4	16.8
40°-50°	1053.7	18.2
50°-60°	969.2	16.7
60°-70°	772.7	13.4
70°-80°	490.9	8.5
80°-90°	130.8	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°	1395.7	24.1
0°-40°	2370.1	41.0
0°-60°	4393.0	75.9
0°-90°	5787.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5787.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1700	1700	1700	1700	1700	
5°	1700	1700	1691	1702	1704	162
15°	1675	1677	1677	1691	1693	473
25°	1619	1625	1640	1658	1666	747
35°	1514	1530	1557	1586	1590	949
45°	1307	1330	1369	1406	1421	1008
55°	1002	1030	1088	1138	1156	894
65°	677	712	791	849	863	668
75°	347	396	483	547	560	367
85°	70	109	120	120	112	87
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1699.5	1699.5	1699.5	1699.5	1699.5
2.5°	1701.6	1701.6	1693.3	1703.7	1703.7
5°	1699.5	1699.5	1691.3	1701.6	1703.7
7.5°	1693.3	1695.4	1689.2	1699.5	1701.6
10°	1689.2	1691.3	1687.1	1697.5	1699.5
12.5°	1683.0	1685.1	1683.0	1695.4	1697.5
15°	1674.8	1676.8	1676.8	1691.3	1693.3
17.5°	1660.3	1664.4	1668.6	1685.1	1687.1
20°	1647.9	1652.0	1658.2	1676.8	1678.9
22.5°	1635.5	1639.6	1647.9	1670.6	1672.7
25°	1619.0	1625.2	1639.6	1658.2	1666.5
27.5°	1598.3	1610.7	1623.1	1645.8	1654.1
30°	1575.6	1588.0	1606.6	1631.4	1637.6
32.5°	1550.9	1563.2	1583.9	1610.7	1616.9
35°	1513.7	1530.2	1557.0	1586.0	1590.1
37.5°	1480.6	1497.2	1526.1	1557.0	1563.2
40°	1435.2	1455.9	1486.8	1515.7	1528.1
42.5°	1381.5	1402.2	1435.2	1470.3	1482.7
45°	1307.2	1329.9	1369.1	1406.3	1420.8
47.5°	1234.9	1255.5	1298.9	1342.3	1352.6
50°	1158.5	1183.3	1230.8	1276.2	1286.5
52.5°	1078.0	1108.9	1160.6	1208.1	1224.6
55°	1001.5	1030.5	1088.3	1137.8	1156.4
57.5°	916.9	952.0	1016.0	1069.7	1086.2
60°	842.5	873.5	941.7	997.4	1013.9
62.5°	755.8	793.0	867.3	923.1	937.5
65°	677.3	712.4	790.9	848.7	863.2
67.5°	592.7	634.0	712.4	772.3	795.0
70°	510.1	553.4	636.0	698.0	720.7
72.5°	427.5	475.0	557.6	621.6	650.5
75°	346.9	396.5	483.2	547.2	559.6
77.5°	266.4	322.1	404.7	450.2	450.2
80°	192.0	247.8	320.1	332.5	342.8
82.5°	128.0	179.7	218.9	231.3	233.4
85°	70.2	109.4	119.8	119.8	111.5
87.5°	26.8	35.1	24.8	12.4	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)