

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: P302410

Luminaire Tested: **RX-WO-75L940-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302410  
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-75L940-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (392)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

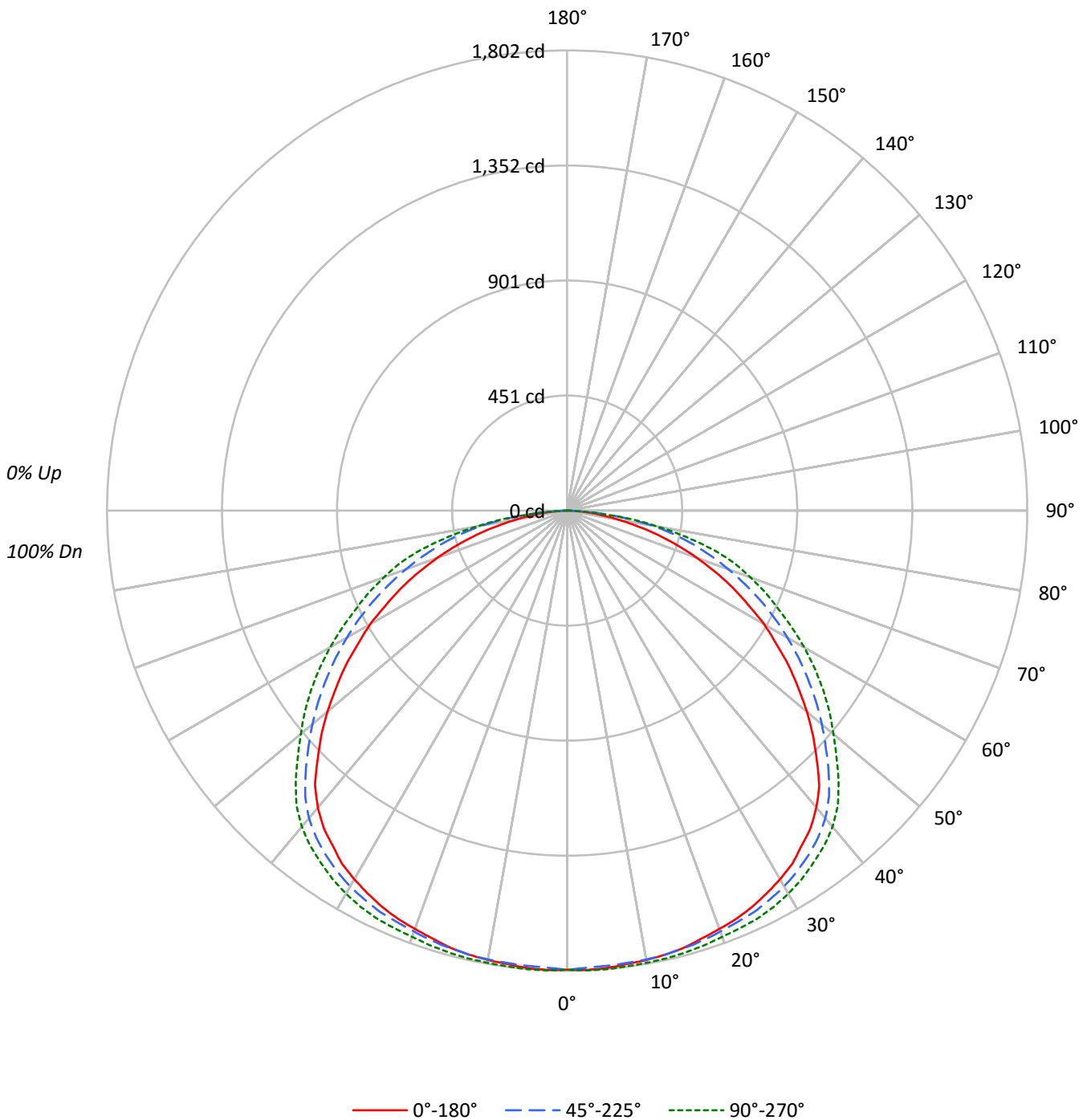
Lumens per Lamp: N/A  
Luminaire Lumens: 6122.7 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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°	2419	2419	2419
5°	2428	2417	2434
10°	2442	2439	2457
15°	2468	2471	2495
20°	2496	2512	2543
25°	2543	2575	2617
30°	2590	2641	2692
35°	2630	2706	2763
40°	2667	2763	2840
45°	2631	2756	2860
50°	2565	2726	2849
55°	2486	2701	2870
60°	2398	2681	2887
65°	2281	2664	2907
70°	2123	2647	2999
75°	1908	2658	3078
80°	1574	2624	2810
85°	1147	1956	1822



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.3	2.8
10°-20°	503.4	8.2
20°-30°	801.9	13.1
30°-40°	1030.8	16.8
40°-50°	1114.7	18.2
50°-60°	1025.4	16.7
60°-70°	817.5	13.4
70°-80°	519.4	8.5
80°-90°	138.4	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°	1476.6	24.1
0°-40°	2507.4	41.0
0°-60°	4647.5	75.9
0°-90°	6122.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6122.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1798	1798	1798	1798	1798	
5°	1798	1798	1789	1800	1802	171
15°	1772	1774	1774	1789	1791	501
25°	1713	1719	1735	1754	1763	790
35°	1601	1619	1647	1678	1682	1003
45°	1383	1407	1448	1488	1503	1066
55°	1060	1090	1151	1204	1223	946
65°	717	754	837	898	913	707
75°	367	420	511	579	592	388
85°	74	116	127	127	118	92
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1798.0	1798.0	1798.0	1798.0	1798.0
2.5°	1800.2	1800.2	1791.4	1802.4	1802.4
5°	1798.0	1798.0	1789.2	1800.2	1802.4
7.5°	1791.4	1793.6	1787.1	1798.0	1800.2
10°	1787.1	1789.2	1784.9	1795.8	1798.0
12.5°	1780.5	1782.7	1780.5	1793.6	1795.8
15°	1771.8	1774.0	1774.0	1789.2	1791.4
17.5°	1756.5	1760.8	1765.2	1782.7	1784.9
20°	1743.4	1747.7	1754.3	1774.0	1776.1
22.5°	1730.3	1734.6	1743.4	1767.4	1769.6
25°	1712.8	1719.3	1734.6	1754.3	1763.0
27.5°	1690.9	1704.0	1717.2	1741.2	1749.9
30°	1666.9	1680.0	1699.7	1725.9	1732.4
32.5°	1640.7	1653.8	1675.6	1704.0	1710.6
35°	1601.4	1618.8	1647.2	1677.8	1682.2
37.5°	1566.4	1583.9	1614.5	1647.2	1653.8
40°	1518.3	1540.2	1573.0	1603.5	1616.7
42.5°	1461.5	1483.4	1518.3	1555.5	1568.6
45°	1382.9	1406.9	1448.4	1487.8	1503.1
47.5°	1306.4	1328.3	1374.2	1420.0	1431.0
50°	1225.6	1251.8	1302.1	1350.1	1361.0
52.5°	1140.4	1173.2	1227.8	1278.0	1295.5
55°	1059.6	1090.2	1151.3	1203.8	1223.4
57.5°	970.0	1007.1	1074.9	1131.7	1149.1
60°	891.3	924.1	996.2	1055.2	1072.7
62.5°	799.6	838.9	917.6	976.5	991.8
65°	716.6	753.7	836.7	897.9	913.2
67.5°	627.0	670.7	753.7	817.1	841.1
70°	539.6	585.5	672.9	738.4	762.4
72.5°	452.2	502.5	589.9	657.6	688.2
75°	367.0	419.5	511.2	578.9	592.0
77.5°	281.8	340.8	428.2	476.3	476.3
80°	203.2	262.2	338.6	351.7	362.7
82.5°	135.4	190.1	231.6	244.7	246.9
85°	74.3	115.8	126.7	126.7	118.0
87.5°	28.4	37.1	26.2	13.1	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)