

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: P302469

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302469  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-75L940-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (392)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6186.7 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

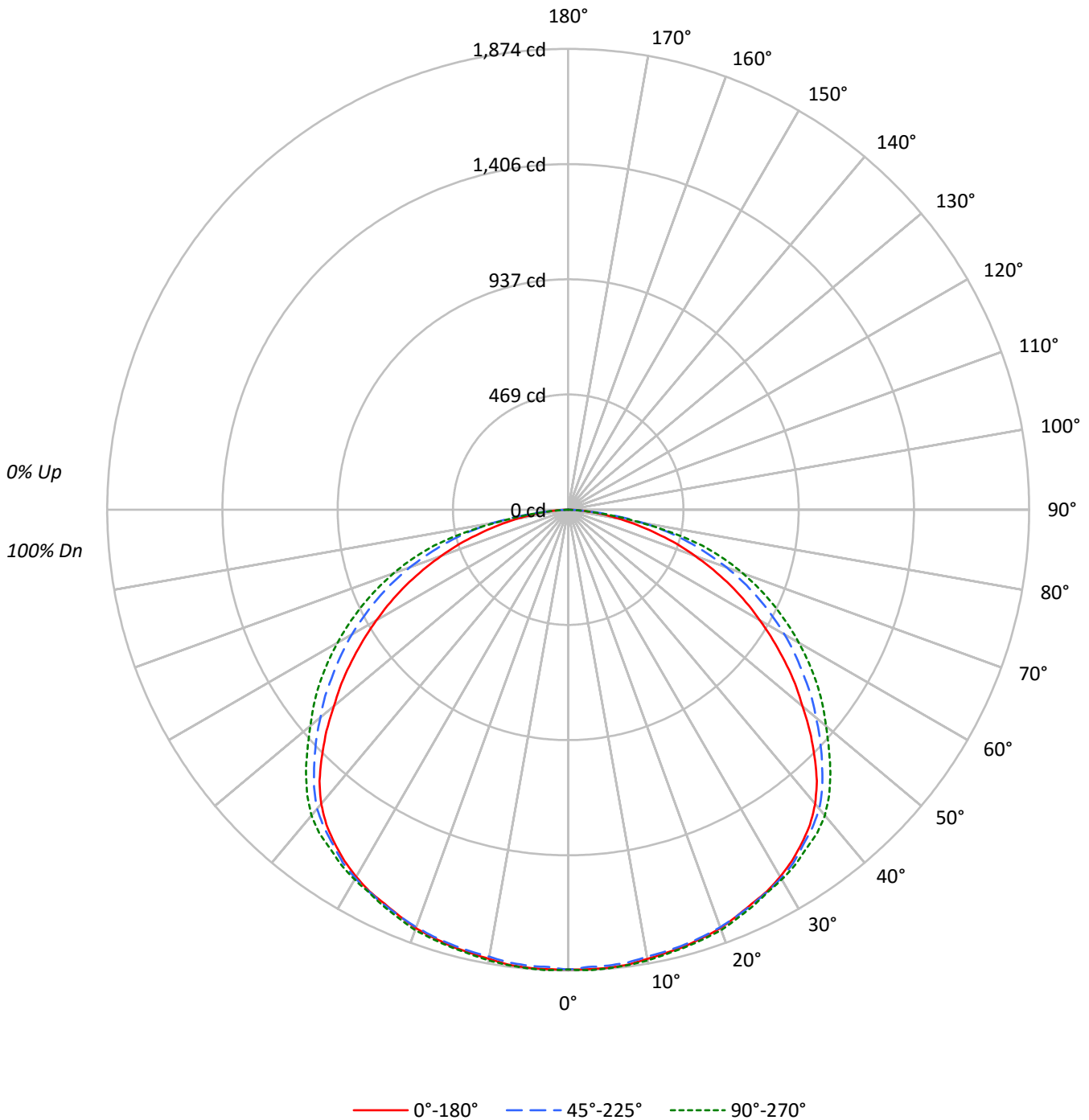
Input Watts (W): 55.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	89	82	76	95	87	81	75	84	78	74	81	76	72	77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24	35	29	24	35	28	24	22

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

	0°	45°	90°
0°	2516	2516	2516
5°	2526	2514	2529
10°	2534	2522	2543
15°	2559	2550	2565
20°	2593	2587	2606
25°	2624	2630	2640
30°	2678	2688	2698
35°	2720	2734	2767
40°	2744	2790	2851
45°	2694	2777	2868
50°	2602	2753	2863
55°	2521	2737	2895
60°	2422	2734	2916
65°	2316	2720	2942
70°	2157	2690	2974
75°	1931	2624	2930
80°	1608	2421	2252
85°	1213	1417	1181



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.9	2.9
10°-20°	519.7	8.4
20°-30°	819.7	13.2
30°-40°	1046.5	16.9
40°-50°	1127.3	18.2
50°-60°	1038.6	16.8
60°-70°	830.7	13.4
70°-80°	509.9	8.2
80°-90°	116.3	1.9
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°	1517.4	24.5
0°-40°	2563.8	41.4
0°-60°	4729.7	76.5
0°-90°	6186.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6186.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1870	1870	1870	1870	1870	
5°	1870	1870	1861	1872	1872	178
15°	1837	1840	1831	1842	1842	520
25°	1767	1770	1772	1780	1778	817
35°	1656	1660	1665	1682	1684	1036
45°	1416	1431	1459	1496	1507	1090
55°	1075	1103	1167	1219	1234	961
65°	728	776	854	907	924	719
75°	371	430	505	550	564	396
85°	79	105	92	81	76	97
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1870.1	1870.1	1870.1	1870.1	1870.1
2.5°	1870.1	1872.3	1861.3	1872.3	1874.4
5°	1870.1	1870.1	1861.3	1872.3	1872.3
7.5°	1865.7	1865.7	1857.0	1867.9	1867.9
10°	1854.8	1854.8	1846.0	1857.0	1861.3
12.5°	1846.0	1846.0	1839.5	1850.4	1850.4
15°	1837.3	1839.5	1830.8	1841.7	1841.7
17.5°	1824.2	1824.2	1819.8	1828.6	1830.8
20°	1811.1	1811.1	1806.7	1817.6	1819.8
22.5°	1789.2	1791.4	1789.2	1798.0	1798.0
25°	1767.4	1769.6	1771.8	1780.5	1778.3
27.5°	1749.9	1752.1	1752.1	1760.8	1754.3
30°	1723.7	1730.3	1730.3	1734.6	1736.8
32.5°	1693.1	1701.9	1704.0	1712.8	1715.0
35°	1656.0	1660.4	1664.7	1682.2	1684.4
37.5°	1614.5	1625.4	1629.8	1653.8	1660.4
40°	1562.0	1575.1	1588.3	1618.8	1623.2
42.5°	1496.5	1511.8	1529.3	1562.0	1570.8
45°	1415.7	1431.0	1459.4	1496.5	1507.4
47.5°	1332.6	1350.1	1389.5	1428.8	1437.5
50°	1243.1	1269.3	1315.2	1361.1	1367.6
52.5°	1162.2	1188.5	1245.3	1293.3	1304.2
55°	1074.9	1103.3	1166.6	1219.0	1234.3
57.5°	987.5	1024.6	1092.3	1144.8	1160.1
60°	900.1	939.4	1015.9	1063.9	1083.6
62.5°	814.9	858.6	935.0	989.7	1004.9
65°	727.5	775.6	854.2	906.6	924.1
67.5°	637.9	688.2	771.2	823.6	841.1
70°	548.4	605.2	683.8	740.6	755.9
72.5°	463.2	515.6	594.2	644.5	664.1
75°	371.4	430.4	504.7	550.5	563.6
77.5°	288.4	345.2	410.7	439.1	434.7
80°	207.5	266.5	312.4	303.7	290.6
82.5°	139.8	187.9	194.4	181.3	177.0
85°	78.6	104.9	91.8	80.8	76.5
87.5°	32.8	28.4	15.3	6.6	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)