

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: P302449

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302449
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-75L930-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5847.9 lumens
Efficiency: N/A
Efficacy: 105.6 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

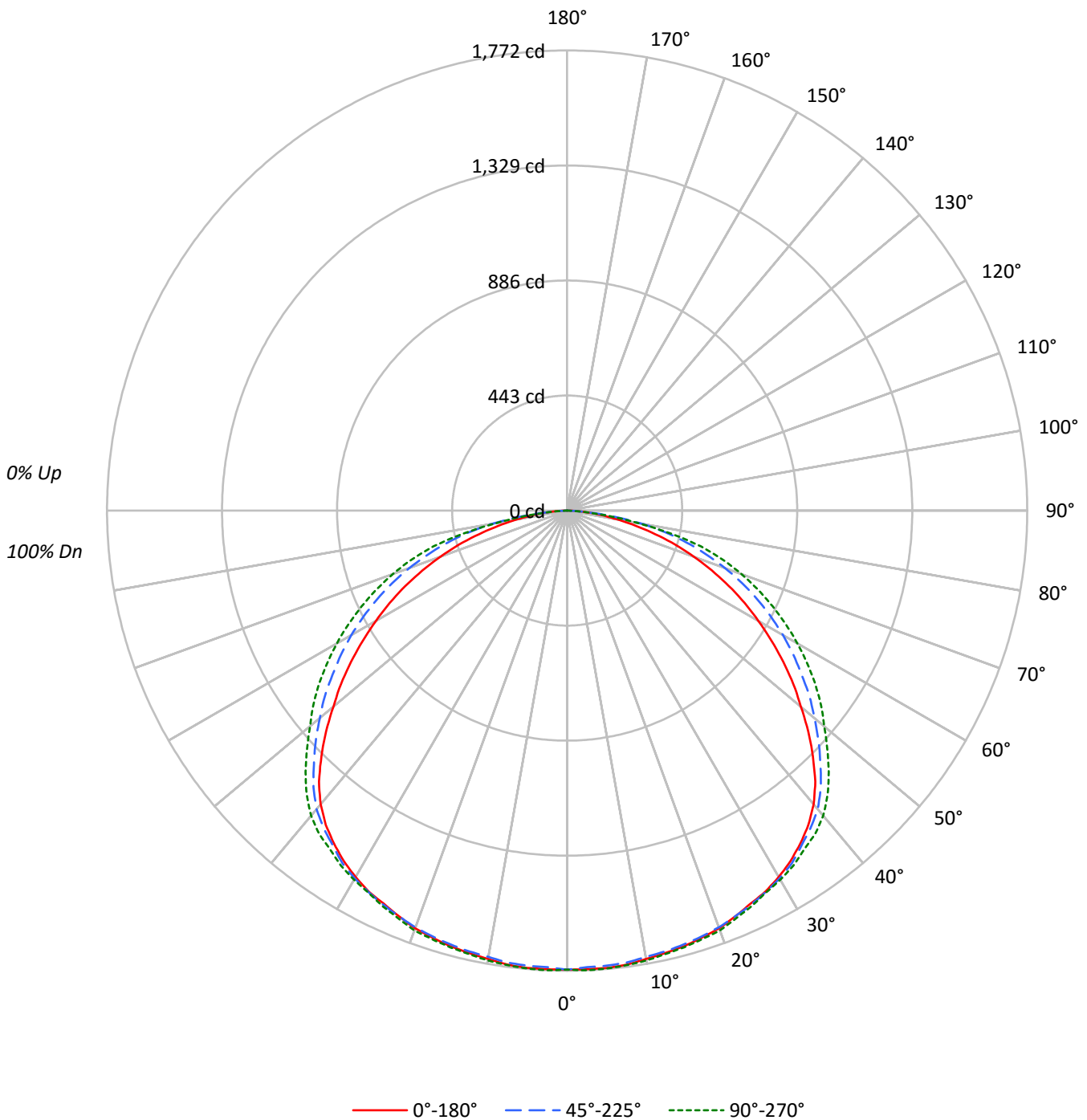
Input Watts (W): 55.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2378	2378	2378
5°	2388	2376	2390
10°	2395	2384	2404
15°	2419	2411	2425
20°	2451	2445	2463
25°	2480	2486	2495
30°	2531	2541	2551
35°	2571	2585	2615
40°	2593	2637	2695
45°	2546	2625	2711
50°	2460	2602	2706
55°	2383	2587	2737
60°	2289	2584	2756
65°	2189	2571	2781
70°	2039	2543	2811
75°	1825	2480	2770
80°	1520	2288	2128
85°	1147	1338	1116



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	2.9
10°-20°	491.3	8.4
20°-30°	774.8	13.2
30°-40°	989.2	16.9
40°-50°	1065.5	18.2
50°-60°	981.7	16.8
60°-70°	785.2	13.4
70°-80°	482.0	8.2
80°-90°	109.9	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°	1434.3	24.5
0°-40°	2423.5	41.4
0°-60°	4470.7	76.5
0°-90°	5847.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5847.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1768	1768	1768	1768	1768	
5°	1768	1768	1759	1770	1770	168
15°	1737	1739	1730	1741	1741	491
25°	1671	1673	1675	1683	1681	773
35°	1565	1569	1574	1590	1592	979
45°	1338	1353	1380	1415	1425	1030
55°	1016	1043	1103	1152	1167	908
65°	688	733	807	857	874	679
75°	351	407	477	520	533	374
85°	74	99	87	76	72	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1767.7	1767.7	1767.7	1767.7	1767.7
2.5°	1767.7	1769.7	1759.4	1769.7	1771.8
5°	1767.7	1767.7	1759.4	1769.7	1769.7
7.5°	1763.6	1763.6	1755.3	1765.6	1765.6
10°	1753.2	1753.2	1745.0	1755.3	1759.4
12.5°	1745.0	1745.0	1738.8	1749.1	1749.1
15°	1736.7	1738.8	1730.5	1740.8	1740.8
17.5°	1724.3	1724.3	1720.2	1728.4	1730.5
20°	1711.9	1711.9	1707.8	1718.1	1720.2
22.5°	1691.3	1693.3	1691.3	1699.5	1699.5
25°	1670.6	1672.7	1674.8	1683.0	1680.9
27.5°	1654.1	1656.2	1656.2	1664.4	1658.2
30°	1629.3	1635.5	1635.5	1639.6	1641.7
32.5°	1600.4	1608.7	1610.7	1619.0	1621.1
35°	1565.3	1569.4	1573.6	1590.1	1592.2
37.5°	1526.1	1536.4	1540.5	1563.2	1569.4
40°	1476.5	1488.9	1501.3	1530.2	1534.3
42.5°	1414.6	1429.0	1445.5	1476.5	1484.8
45°	1338.2	1352.6	1379.5	1414.6	1424.9
47.5°	1259.7	1276.2	1313.4	1350.5	1358.8
50°	1175.0	1199.8	1243.2	1286.5	1292.7
52.5°	1098.6	1123.4	1177.1	1222.5	1232.8
55°	1016.0	1042.8	1102.7	1152.3	1166.8
57.5°	933.4	968.5	1032.5	1082.1	1096.5
60°	850.8	888.0	960.2	1005.7	1024.3
62.5°	770.3	811.6	883.8	935.5	949.9
65°	687.7	733.1	807.4	857.0	873.5
67.5°	603.0	650.5	729.0	778.5	795.0
70°	518.3	572.0	646.4	700.1	714.5
72.5°	437.8	487.4	561.7	609.2	627.8
75°	351.1	406.8	477.0	520.4	532.8
77.5°	272.6	326.3	388.2	415.1	410.9
80°	196.2	251.9	295.3	287.0	274.7
82.5°	132.2	177.6	183.8	171.4	167.3
85°	74.3	99.1	86.7	76.4	72.3
87.5°	31.0	26.8	14.5	6.2	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)