

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: P302459

Luminaire Tested: **ZX-WO-75L935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302459
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-75L935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6066.1 lumens
Efficiency: N/A
Efficacy: 109.5 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

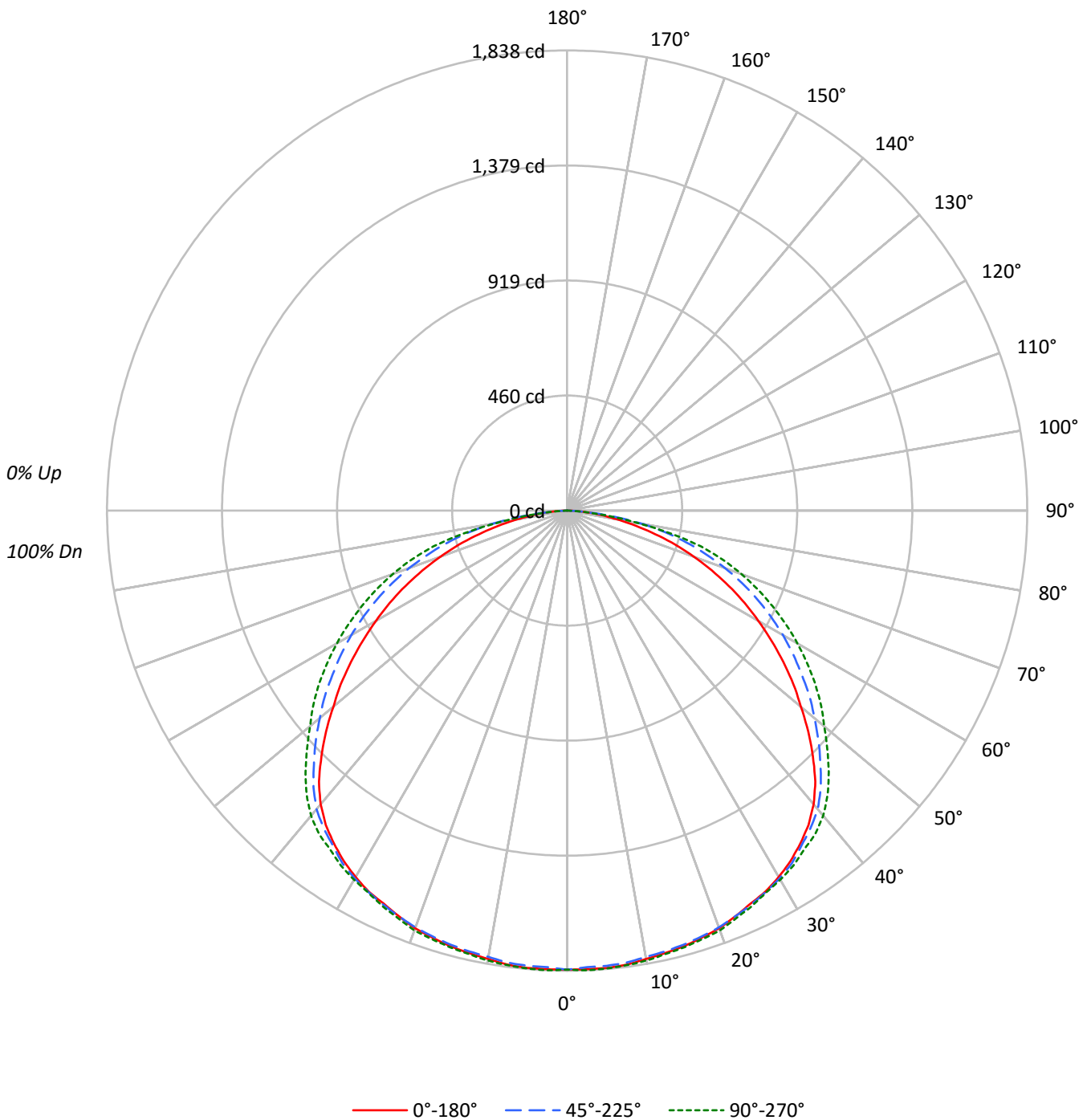
Input Watts (W): 55.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2467	2467	2467
5°	2477	2465	2479
10°	2485	2473	2494
15°	2509	2500	2515
20°	2543	2537	2555
25°	2573	2579	2589
30°	2626	2636	2646
35°	2667	2681	2713
40°	2690	2735	2796
45°	2641	2723	2812
50°	2551	2699	2807
55°	2472	2683	2839
60°	2375	2680	2859
65°	2271	2667	2885
70°	2115	2638	2916
75°	1893	2572	2873
80°	1577	2373	2208
85°	1190	1389	1158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.5	2.9
10°-20°	509.6	8.4
20°-30°	803.7	13.2
30°-40°	1026.1	16.9
40°-50°	1105.3	18.2
50°-60°	1018.4	16.8
60°-70°	814.5	13.4
70°-80°	500.0	8.2
80°-90°	114.0	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°	1487.8	24.5
0°-40°	2513.9	41.4
0°-60°	4637.5	76.5
0°-90°	6066.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6066.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1834	1834	1834	1834	1834	
5°	1834	1834	1825	1836	1836	175
15°	1802	1804	1795	1806	1806	509
25°	1733	1735	1737	1746	1744	801
35°	1624	1628	1632	1649	1652	1015
45°	1388	1403	1431	1467	1478	1069
55°	1054	1082	1144	1195	1210	942
65°	713	760	838	889	906	705
75°	364	422	495	540	553	388
85°	77	103	90	79	75	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1833.6	1833.6	1833.6	1833.6	1833.6
2.5°	1833.6	1835.8	1825.1	1835.8	1837.9
5°	1833.6	1833.6	1825.1	1835.8	1835.8
7.5°	1829.3	1829.3	1820.8	1831.5	1831.5
10°	1818.6	1818.6	1810.1	1820.8	1825.1
12.5°	1810.1	1810.1	1803.6	1814.3	1814.3
15°	1801.5	1803.6	1795.1	1805.8	1805.8
17.5°	1788.6	1788.6	1784.4	1792.9	1795.1
20°	1775.8	1775.8	1771.5	1782.2	1784.4
22.5°	1754.4	1756.5	1754.4	1762.9	1762.9
25°	1732.9	1735.1	1737.2	1745.8	1743.7
27.5°	1715.8	1718.0	1718.0	1726.5	1720.1
30°	1690.1	1696.5	1696.5	1700.8	1703.0
32.5°	1660.1	1668.7	1670.8	1679.4	1681.5
35°	1623.7	1628.0	1632.3	1649.4	1651.5
37.5°	1583.0	1593.7	1598.0	1621.6	1628.0
40°	1531.6	1544.4	1557.3	1587.3	1591.6
42.5°	1467.3	1482.3	1499.5	1531.6	1540.2
45°	1388.1	1403.1	1430.9	1467.3	1478.0
47.5°	1306.7	1323.8	1362.4	1400.9	1409.5
50°	1218.8	1244.6	1289.5	1334.5	1340.9
52.5°	1139.6	1165.3	1221.0	1268.1	1278.8
55°	1053.9	1081.8	1143.9	1195.3	1210.3
57.5°	968.2	1004.6	1071.0	1122.5	1137.4
60°	882.5	921.1	996.1	1043.2	1062.5
62.5°	799.0	841.8	916.8	970.4	985.4
65°	713.3	760.4	837.6	889.0	906.1
67.5°	625.5	674.8	756.2	807.6	824.7
70°	537.7	593.4	670.5	726.2	741.2
72.5°	454.1	505.5	582.6	631.9	651.2
75°	364.2	422.0	494.8	539.8	552.7
77.5°	282.8	338.4	402.7	430.6	426.3
80°	203.5	261.3	306.3	297.7	284.9
82.5°	137.1	184.2	190.6	177.8	173.5
85°	77.1	102.8	90.0	79.3	75.0
87.5°	32.1	27.8	15.0	6.4	4.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)