

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: P302427

Luminaire Tested: **ZX-WO-65L835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302427
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-65L835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6313.9 lumens
Efficiency: N/A
Efficacy: 129.1 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

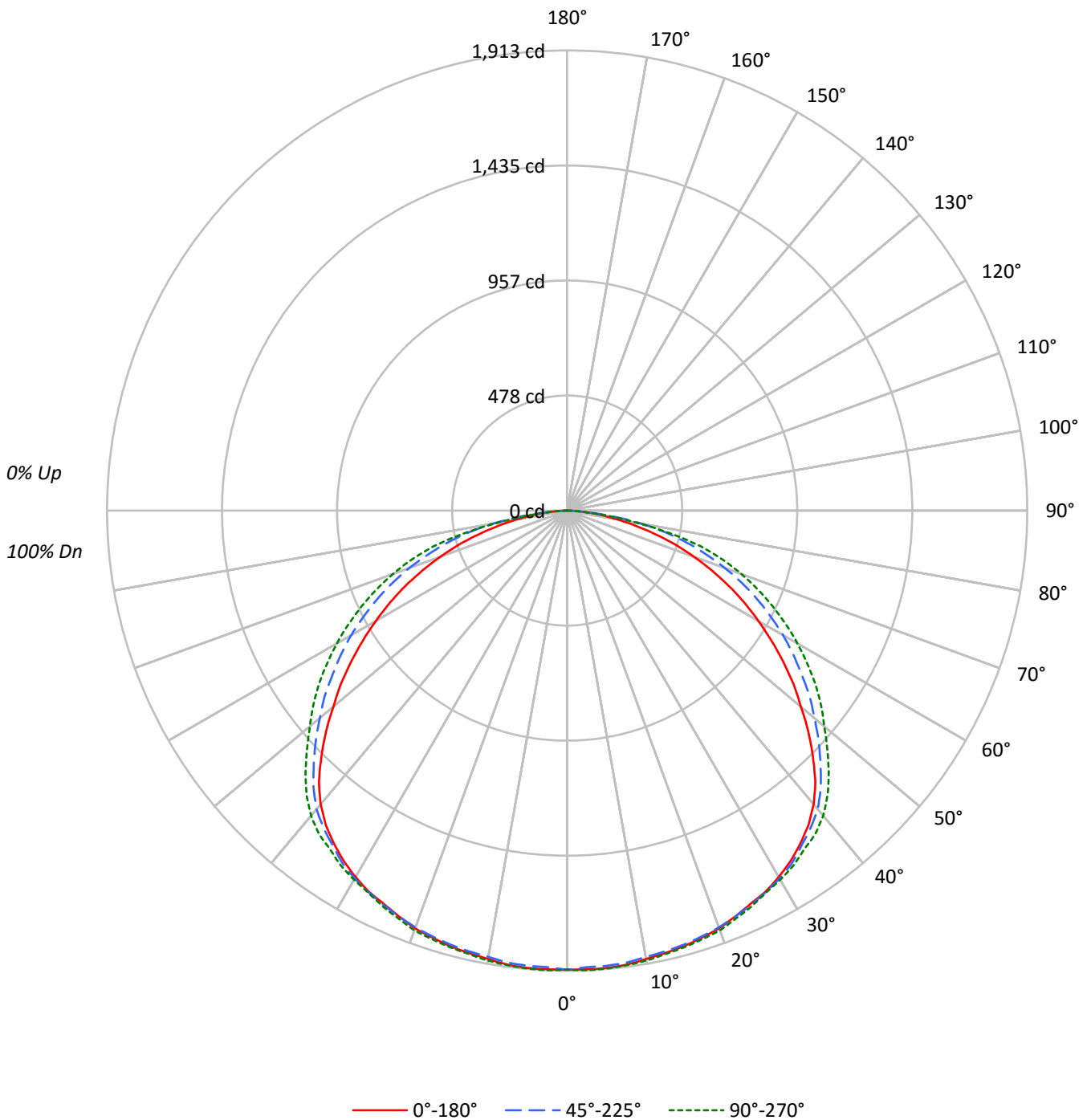
Input Watts (W): 48.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2568	2568	2568
5°	2578	2566	2581
10°	2586	2574	2595
15°	2612	2603	2618
20°	2647	2640	2659
25°	2678	2684	2694
30°	2733	2744	2754
35°	2776	2791	2824
40°	2800	2847	2910
45°	2749	2834	2927
50°	2656	2810	2921
55°	2573	2793	2955
60°	2472	2790	2976
65°	2364	2776	3003
70°	2201	2746	3035
75°	1970	2677	2990
80°	1641	2470	2297
85°	1240	1445	1204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.6	2.9
10°-20°	530.4	8.4
20°-30°	836.6	13.2
30°-40°	1068.0	16.9
40°-50°	1150.5	18.2
50°-60°	1060.0	16.8
60°-70°	847.8	13.4
70°-80°	520.4	8.2
80°-90°	118.7	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°	1548.6	24.5
0°-40°	2616.6	41.4
0°-60°	4827.0	76.5
0°-90°	6313.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6313.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1909	1909	1909	1909	1909	
5°	1909	1909	1900	1911	1911	182
15°	1875	1877	1868	1880	1880	530
25°	1804	1806	1808	1817	1815	834
35°	1690	1694	1699	1717	1719	1057
45°	1445	1460	1489	1527	1538	1112
55°	1097	1126	1191	1244	1260	980
65°	742	792	872	925	943	733
75°	379	439	515	562	575	404
85°	80	107	94	82	78	99
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1908.6	1908.6	1908.6	1908.6	1908.6
2.5°	1908.6	1910.8	1899.6	1910.8	1913.0
5°	1908.6	1908.6	1899.6	1910.8	1910.8
7.5°	1904.1	1904.1	1895.2	1906.3	1906.3
10°	1892.9	1892.9	1884.0	1895.2	1899.6
12.5°	1884.0	1884.0	1877.3	1888.5	1888.5
15°	1875.1	1877.3	1868.4	1879.6	1879.6
17.5°	1861.7	1861.7	1857.3	1866.2	1868.4
20°	1848.4	1848.4	1843.9	1855.0	1857.3
22.5°	1826.1	1828.3	1826.1	1835.0	1835.0
25°	1803.8	1806.0	1808.2	1817.1	1814.9
27.5°	1785.9	1788.2	1788.2	1797.1	1790.4
30°	1759.2	1765.9	1765.9	1770.3	1772.5
32.5°	1728.0	1736.9	1739.1	1748.0	1750.2
35°	1690.0	1694.5	1699.0	1716.8	1719.0
37.5°	1647.7	1658.8	1663.3	1687.8	1694.5
40°	1594.2	1607.6	1620.9	1652.1	1656.6
42.5°	1527.3	1542.9	1560.7	1594.2	1603.1
45°	1444.8	1460.4	1489.4	1527.3	1538.4
47.5°	1360.1	1377.9	1418.0	1458.2	1467.1
50°	1268.7	1295.4	1342.2	1389.1	1395.7
52.5°	1186.2	1212.9	1270.9	1319.9	1331.1
55°	1097.0	1126.0	1190.6	1244.1	1259.7
57.5°	1007.8	1045.7	1114.8	1168.3	1183.9
60°	918.6	958.7	1036.8	1085.8	1105.9
62.5°	831.6	876.2	954.3	1010.0	1025.6
65°	742.5	791.5	871.8	925.3	943.1
67.5°	651.0	702.3	787.1	840.6	858.4
70°	559.6	617.6	697.9	755.8	771.4
72.5°	472.7	526.2	606.5	657.7	677.8
75°	379.0	439.2	515.0	561.9	575.2
77.5°	294.3	352.3	419.2	448.2	443.7
80°	211.8	272.0	318.8	309.9	296.5
82.5°	142.7	191.7	198.4	185.1	180.6
85°	80.3	107.0	93.6	82.5	78.0
87.5°	33.4	29.0	15.6	6.7	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)