

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: P302368

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302368  
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-65L835-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (392)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

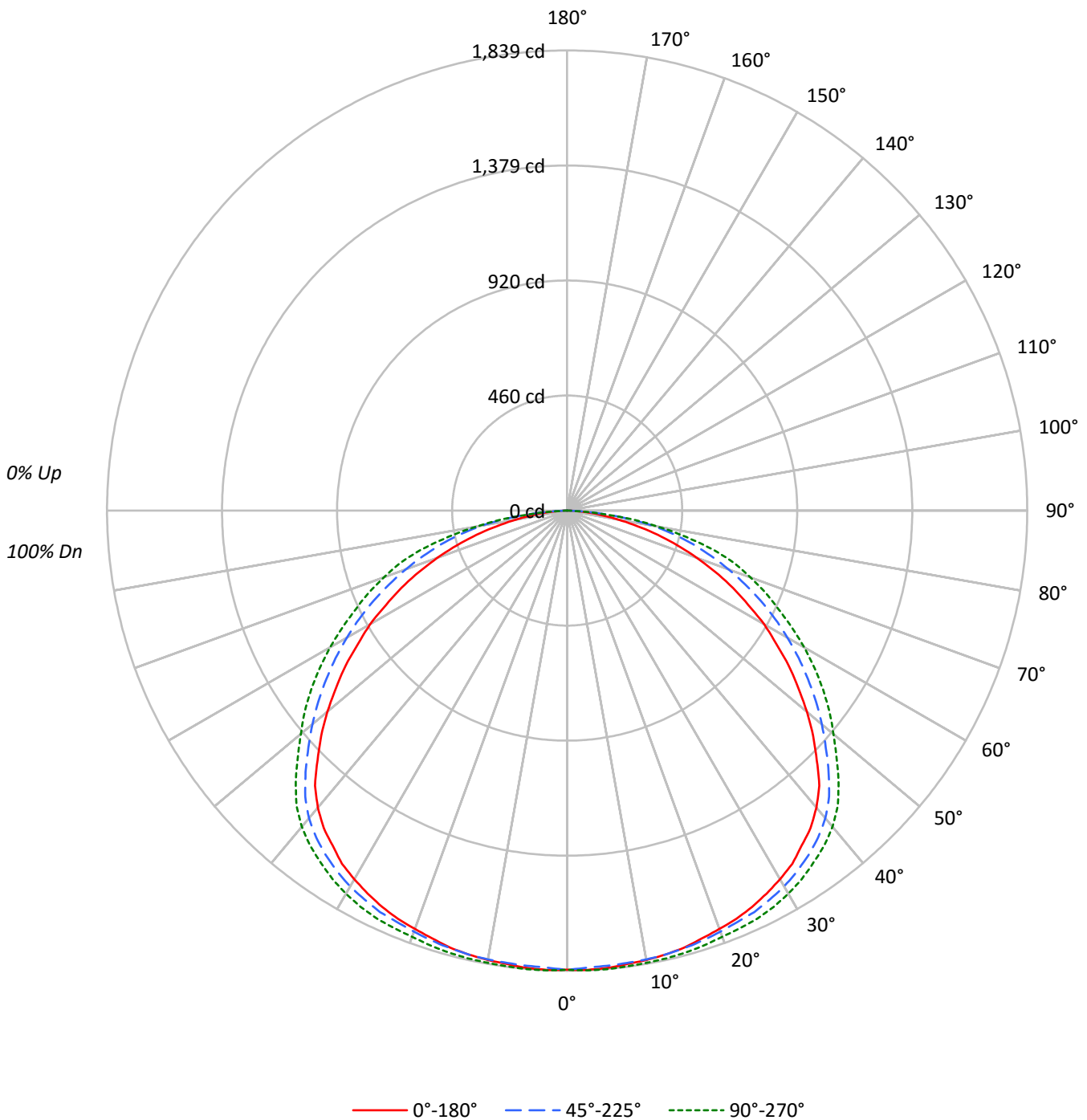
Lumens per Lamp: N/A  
Luminaire Lumens: 6248.6 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 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	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°	2469	2469	2469
5°	2478	2466	2484
10°	2492	2489	2507
15°	2519	2522	2547
20°	2548	2564	2595
25°	2595	2628	2671
30°	2643	2695	2747
35°	2684	2761	2820
40°	2722	2820	2898
45°	2685	2813	2919
50°	2618	2782	2907
55°	2537	2756	2929
60°	2448	2736	2946
65°	2328	2719	2967
70°	2166	2701	3061
75°	1947	2712	3141
80°	1607	2678	2868
85°	1170	1996	1859



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.8	2.8
10°-20°	513.8	8.2
20°-30°	818.4	13.1
30°-40°	1052.0	16.8
40°-50°	1137.6	18.2
50°-60°	1046.5	16.7
60°-70°	834.3	13.4
70°-80°	530.0	8.5
80°-90°	141.2	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°	1507.0	24.1
0°-40°	2559.0	41.0
0°-60°	4743.1	75.9
0°-90°	6248.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6248.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1835	1835	1835	1835	1835	
5°	1835	1835	1826	1837	1839	175
15°	1808	1810	1810	1826	1828	511
25°	1748	1755	1770	1790	1799	807
35°	1634	1652	1681	1712	1717	1024
45°	1411	1436	1478	1518	1534	1088
55°	1081	1113	1175	1228	1249	965
65°	731	769	854	916	932	722
75°	375	428	522	591	604	396
85°	76	118	129	129	120	94
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1835.0	1835.0	1835.0	1835.0	1835.0
2.5°	1837.2	1837.2	1828.3	1839.4	1839.4
5°	1835.0	1835.0	1826.1	1837.2	1839.4
7.5°	1828.3	1830.5	1823.8	1835.0	1837.2
10°	1823.8	1826.1	1821.6	1832.7	1835.0
12.5°	1817.1	1819.4	1817.1	1830.5	1832.7
15°	1808.2	1810.4	1810.4	1826.1	1828.3
17.5°	1792.6	1797.1	1801.5	1819.4	1821.6
20°	1779.2	1783.7	1790.4	1810.4	1812.7
22.5°	1765.9	1770.3	1779.2	1803.8	1806.0
25°	1748.0	1754.7	1770.3	1790.4	1799.3
27.5°	1725.7	1739.1	1752.5	1777.0	1785.9
30°	1701.2	1714.6	1734.6	1761.4	1768.1
32.5°	1674.4	1687.8	1710.1	1739.1	1745.8
35°	1634.3	1652.1	1681.1	1712.3	1716.8
37.5°	1598.6	1616.5	1647.7	1681.1	1687.8
40°	1549.6	1571.9	1605.3	1636.5	1649.9
42.5°	1491.6	1513.9	1549.6	1587.5	1600.9
45°	1411.3	1435.9	1478.2	1518.4	1534.0
47.5°	1333.3	1355.6	1402.4	1449.2	1460.4
50°	1250.8	1277.6	1328.9	1377.9	1389.0
52.5°	1163.9	1197.3	1253.0	1304.3	1322.2
55°	1081.4	1112.6	1175.0	1228.5	1248.6
57.5°	989.9	1027.9	1097.0	1154.9	1172.8
60°	909.7	943.1	1016.7	1076.9	1094.7
62.5°	816.0	856.2	936.4	996.6	1012.2
65°	731.3	769.2	853.9	916.4	932.0
67.5°	639.9	684.5	769.2	833.9	858.4
70°	550.7	597.5	686.7	753.6	778.1
72.5°	461.5	512.8	602.0	671.1	702.3
75°	374.6	428.1	521.7	590.8	604.2
77.5°	287.6	347.8	437.0	486.1	486.1
80°	207.4	267.6	345.6	359.0	370.1
82.5°	138.2	194.0	236.3	249.7	251.9
85°	75.8	118.2	129.3	129.3	120.4
87.5°	29.0	37.9	26.8	13.4	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)