

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: P302309

Luminaire Tested: **ZX-WO-65H835-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302309  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-65H835-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (588)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

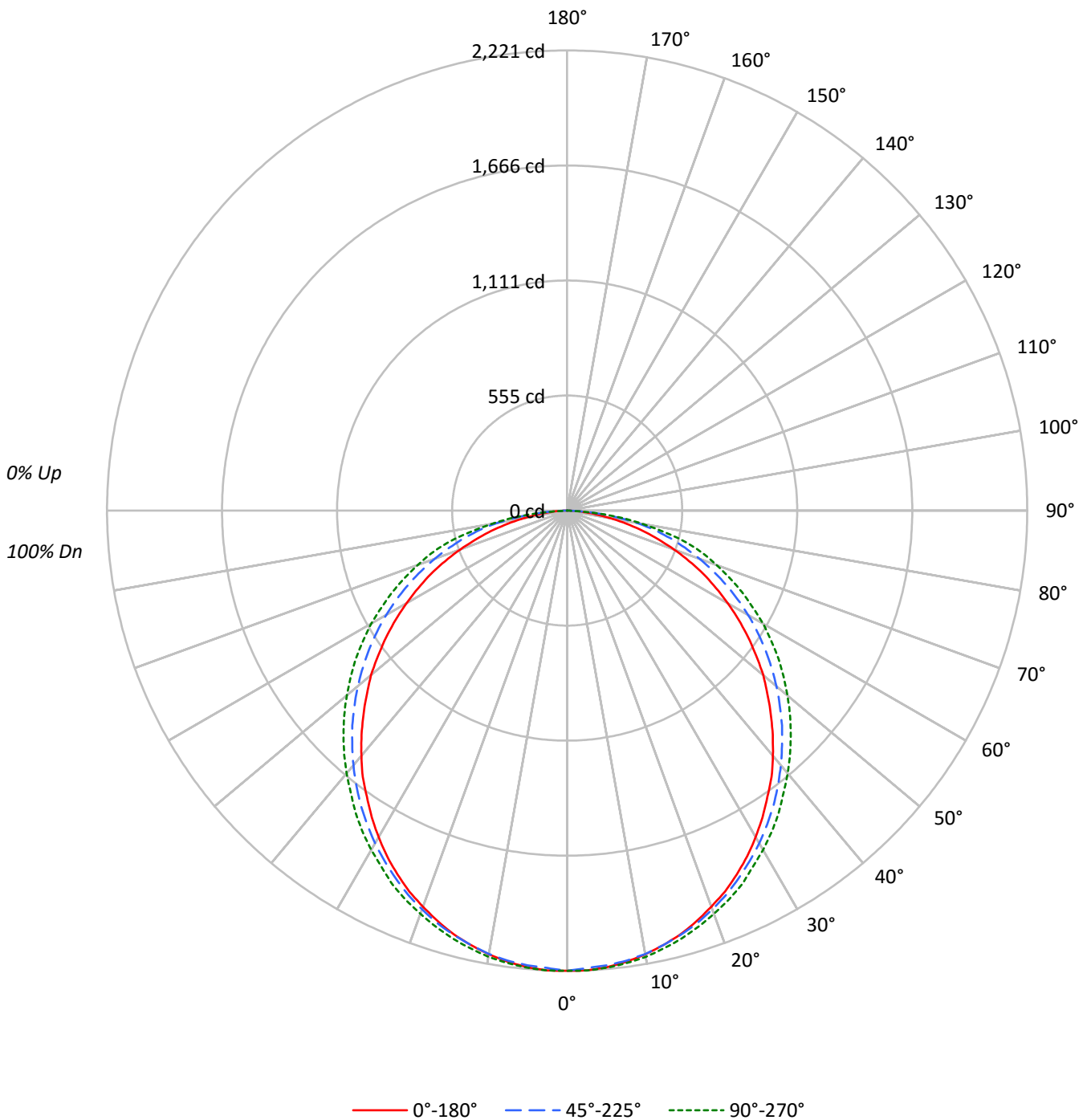
Lumens per Lamp: N/A  
Luminaire Lumens: 6465.8 lumens  
Efficiency: N/A  
Efficacy: 140.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 46.1  
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	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52		63	57	52		61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

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

	0°	45°	90°
0°	2989	2989	2989
5°	2988	2975	2991
10°	2972	2969	2988
15°	2949	2953	2978
20°	2913	2933	2966
25°	2876	2907	2958
30°	2827	2881	2938
35°	2769	2852	2924
40°	2713	2819	2908
45°	2645	2790	2904
50°	2586	2760	2905
55°	2502	2735	2920
60°	2411	2715	2939
65°	2316	2691	2963
70°	2162	2671	3016
75°	1969	2677	3109
80°	1628	2648	2863
85°	1247	2103	2032



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.0	3.2
10°-20°	599.7	9.3
20°-30°	904.7	14.0
30°-40°	1086.1	16.8
40°-50°	1129.6	17.5
50°-60°	1038.8	16.1
60°-70°	827.9	12.8
70°-80°	524.6	8.1
80°-90°	144.3	2.2
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°	1714.4	26.5
0°-40°	2800.5	43.3
0°-60°	4968.9	76.8
0°-90°	6465.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6465.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2221	2221	2221	2221	2221	
5°	2212	2212	2203	2214	2214	210
15°	2117	2117	2120	2136	2138	597
25°	1937	1947	1958	1986	1993	892
35°	1686	1704	1736	1769	1780	1056
45°	1390	1420	1466	1512	1526	1073
55°	1067	1101	1166	1224	1245	953
65°	727	764	845	910	931	717
75°	379	427	515	580	598	398
85°	81	116	136	134	132	96
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2221.3	2221.3	2221.3	2221.3	2221.3
2.5°	2221.3	2221.3	2209.8	2221.3	2221.3
5°	2212.1	2212.1	2202.9	2214.4	2214.4
7.5°	2195.9	2198.2	2191.3	2202.9	2202.9
10°	2175.2	2177.5	2172.8	2186.7	2186.7
12.5°	2147.4	2149.8	2147.4	2163.6	2163.6
15°	2117.4	2117.4	2119.7	2135.9	2138.2
17.5°	2078.2	2082.8	2087.4	2105.9	2105.9
20°	2034.3	2041.2	2048.2	2071.2	2071.2
22.5°	1990.4	1997.4	2006.6	2029.7	2034.3
25°	1937.3	1946.6	1958.1	1985.8	1992.7
27.5°	1881.9	1888.8	1907.3	1937.3	1939.6
30°	1819.6	1831.1	1854.2	1884.2	1891.1
32.5°	1754.9	1771.1	1796.5	1831.1	1838.0
35°	1685.6	1704.1	1736.4	1768.8	1780.3
37.5°	1621.0	1634.8	1671.8	1708.7	1715.6
40°	1544.8	1565.6	1604.8	1646.4	1655.6
42.5°	1468.6	1491.7	1535.5	1577.1	1593.3
45°	1390.1	1420.1	1466.3	1512.4	1526.3
47.5°	1311.6	1343.9	1392.4	1443.2	1459.3
50°	1235.4	1265.4	1318.5	1371.6	1387.8
52.5°	1149.9	1184.6	1242.3	1300.0	1316.2
55°	1066.8	1101.4	1166.1	1223.8	1244.6
57.5°	981.4	1020.6	1087.6	1147.6	1166.1
60°	895.9	937.5	1009.1	1069.1	1092.2
62.5°	810.5	849.7	928.2	988.3	1009.1
65°	727.4	764.3	845.1	909.8	930.6
67.5°	637.3	678.9	762.0	829.0	847.4
70°	549.6	591.1	678.9	748.1	766.6
72.5°	459.5	508.0	595.7	662.7	688.1
75°	378.7	427.2	514.9	579.6	598.1
77.5°	293.3	341.7	431.8	478.0	480.3
80°	210.1	265.5	341.7	360.2	369.5
82.5°	138.5	191.7	235.5	258.6	258.6
85°	80.8	115.5	136.2	133.9	131.6
87.5°	30.0	39.3	32.3	23.1	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)