

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: P302419

Luminaire Tested: **ZX-WO-75L830-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302419  
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-75L830-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (392)3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7115.5 lumens  
Efficiency: N/A  
Efficacy: 128.4 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

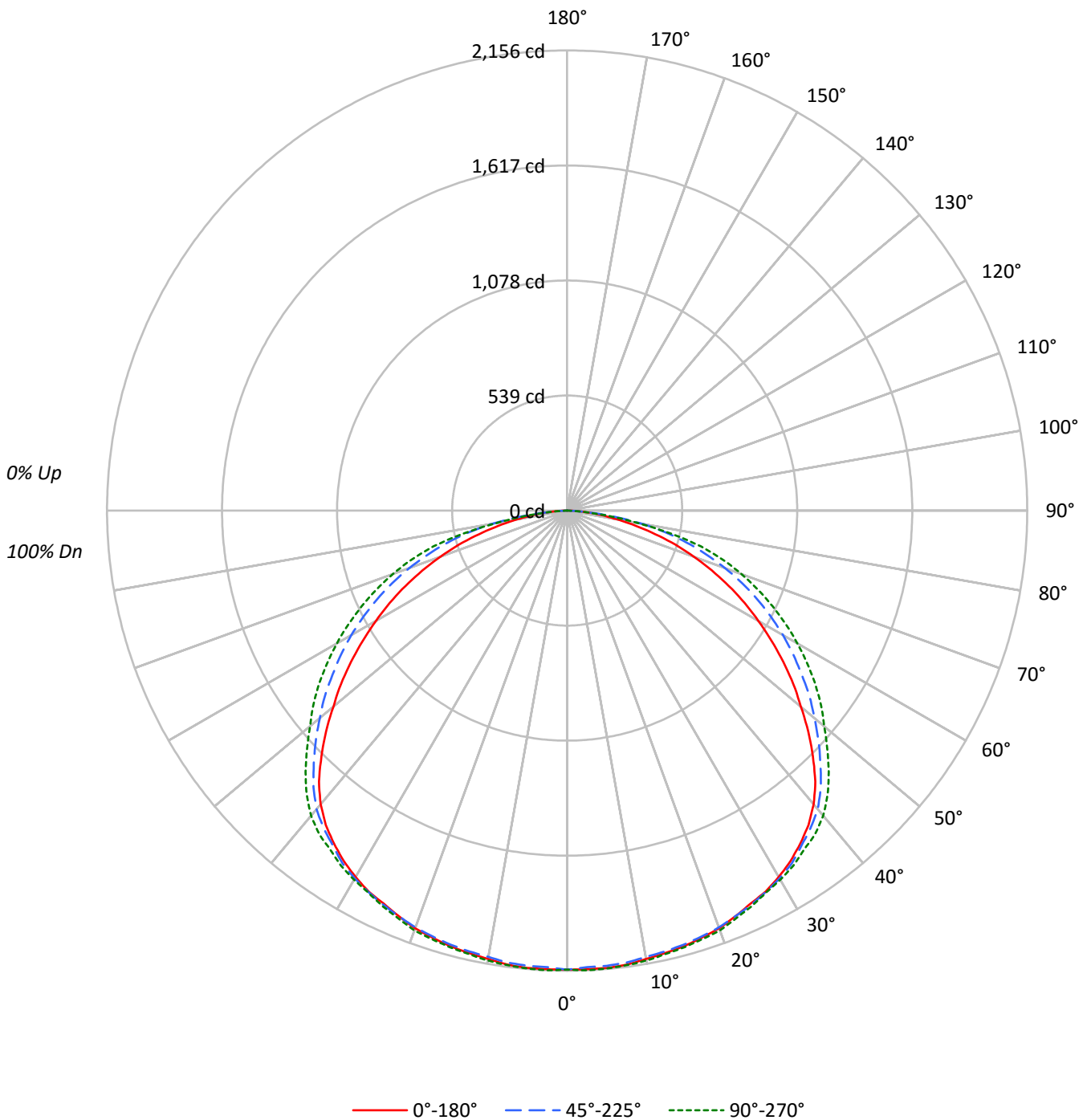
Input Watts (W): 55.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2894	2894	2894
5°	2905	2891	2908
10°	2915	2901	2925
15°	2944	2933	2951
20°	2983	2975	2997
25°	3018	3025	3036
30°	3080	3092	3104
35°	3128	3145	3182
40°	3156	3208	3279
45°	3098	3194	3299
50°	2993	3166	3292
55°	2900	3148	3330
60°	2786	3144	3354
65°	2664	3128	3384
70°	2481	3094	3420
75°	2221	3017	3370
80°	1850	2784	2590
85°	1397	1629	1357



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.6	2.9
10°-20°	597.8	8.4
20°-30°	942.8	13.2
30°-40°	1203.6	16.9
40°-50°	1296.5	18.2
50°-60°	1194.5	16.8
60°-70°	955.4	13.4
70°-80°	586.5	8.2
80°-90°	133.8	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°	1745.2	24.5
0°-40°	2948.8	41.4
0°-60°	5439.8	76.5
0°-90°	7115.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7115.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2151	2151	2151	2151	2151	
5°	2151	2151	2141	2153	2153	205
15°	2113	2116	2106	2118	2118	598
25°	2033	2035	2038	2048	2045	940
35°	1905	1910	1915	1935	1937	1191
45°	1628	1646	1678	1721	1734	1254
55°	1236	1269	1342	1402	1420	1105
65°	837	892	982	1043	1063	826
75°	427	495	580	633	648	455
85°	90	121	106	93	88	111
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2150.8	2150.8	2150.8	2150.8	2150.8
2.5°	2150.8	2153.4	2140.8	2153.4	2155.9
5°	2150.8	2150.8	2140.8	2153.4	2153.4
7.5°	2145.8	2145.8	2135.8	2148.3	2148.3
10°	2133.3	2133.3	2123.2	2135.8	2140.8
12.5°	2123.2	2123.2	2115.7	2128.2	2128.2
15°	2113.2	2115.7	2105.6	2118.2	2118.2
17.5°	2098.1	2098.1	2093.1	2103.1	2105.6
20°	2083.0	2083.0	2078.0	2090.5	2093.1
22.5°	2057.9	2060.4	2057.9	2067.9	2067.9
25°	2032.8	2035.3	2037.8	2047.8	2045.3
27.5°	2012.7	2015.2	2015.2	2025.2	2017.7
30°	1982.5	1990.0	1990.0	1995.1	1997.6
32.5°	1947.3	1957.4	1959.9	1969.9	1972.5
35°	1904.6	1909.6	1914.7	1934.8	1937.3
37.5°	1856.9	1869.4	1874.5	1902.1	1909.6
40°	1796.6	1811.6	1826.7	1861.9	1866.9
42.5°	1721.2	1738.8	1758.9	1796.6	1806.6
45°	1628.2	1645.8	1678.5	1721.2	1733.7
47.5°	1532.7	1552.8	1598.1	1643.3	1653.3
50°	1429.7	1459.9	1512.6	1565.4	1572.9
52.5°	1336.7	1366.9	1432.2	1487.5	1500.1
55°	1236.2	1268.9	1341.8	1402.1	1419.7
57.5°	1135.7	1178.4	1256.3	1316.6	1334.2
60°	1035.2	1080.5	1168.4	1223.7	1246.3
62.5°	937.2	987.5	1075.4	1138.2	1155.8
65°	836.7	892.0	982.5	1042.8	1062.9
67.5°	733.7	791.5	887.0	947.3	967.4
70°	630.7	696.0	786.5	851.8	869.4
72.5°	532.7	593.0	683.4	741.2	763.9
75°	427.2	495.0	580.4	633.2	648.3
77.5°	331.7	397.0	472.4	505.0	500.0
80°	238.7	306.5	359.3	349.3	334.2
82.5°	160.8	216.1	223.6	208.6	203.5
85°	90.5	120.6	105.5	93.0	87.9
87.5°	37.7	32.7	17.6	7.5	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)