

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: P234866

Luminaire Tested: **CTA-F-2575-30L830-UNV-12**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234866  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-4\_PR)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTA-F-2575-30L830-UNV-12  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
3000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT  
Light Source: (1008) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8831.8 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36  
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')  
CIE Type: Semi-Direct

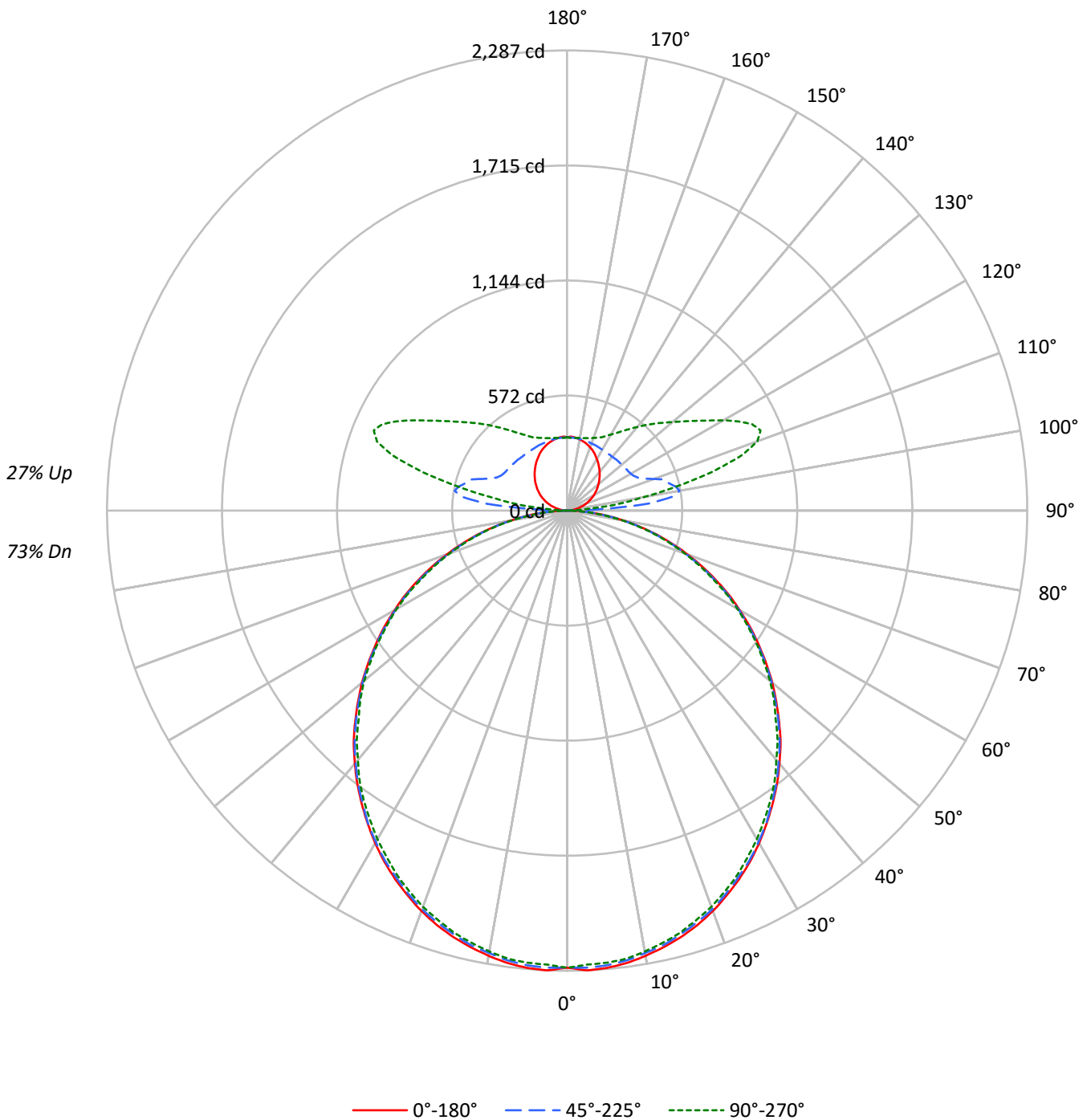
Input Watts (W): 78.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	103	98	94	90	97	93	89	86	84	81	78	76	73	71	68	66	65	61
2	93	85	79	73	88	81	75	70	73	69	65	66	62	59	59	56	54	50
3	85	75	67	61	80	71	64	58	64	59	54	58	54	50	52	49	46	42
4	78	66	58	51	73	63	55	49	57	51	46	52	47	42	47	43	39	36
5	71	59	50	44	67	56	48	42	51	45	40	46	41	37	42	37	34	31
6	66	53	44	38	62	51	43	37	46	39	35	42	36	32	38	33	30	27
7	61	48	39	34	57	46	38	32	42	35	30	38	33	28	35	30	26	24
8	56	43	35	30	53	42	34	29	38	32	27	35	29	25	32	27	24	21
9	53	40	32	27	50	38	31	26	35	29	24	32	27	23	29	25	21	19
10	49	37	29	24	47	35	28	23	32	26	22	30	24	21	27	23	19	18

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

	0°	45°	90°
0°	4889	4889	4889
5°	4929	4902	4874
10°	4911	4882	4863
15°	4887	4859	4840
20°	4851	4831	4801
25°	4801	4778	4749
30°	4744	4728	4689
35°	4676	4660	4628
40°	4613	4596	4544
45°	4538	4522	4463
50°	4457	4439	4407
55°	4362	4338	4305
60°	4262	4235	4209
65°	4152	4102	4053
70°	4007	3946	3902
75°	3827	3753	3724
80°	3535	3492	3415
85°	3164	2944	2704



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.1	2.4
10°-20°	614.3	7.0
20°-30°	924.4	10.5
30°-40°	1106.0	12.5
40°-50°	1141.3	12.9
50°-60°	1032.0	11.7
60°-70°	797.0	9.0
70°-80°	478.6	5.4
80°-90°	138.4	1.6
90°-100°	193.1	2.2
100°-110°	489.5	5.5
110°-120°	491.8	5.6
120°-130°	381.3	4.3
130°-140°	299.8	3.4
140°-150°	228.5	2.6
150°-160°	164.5	1.9
160°-170°	101.6	1.2
170°-180°	34.6	0.4
0°-30°	1753.8	19.9
0°-40°	2859.8	32.4
0°-60°	5033.1	57.0
0°-90°	6447.1	73.0
90°-120°	1174.4	13.3
90°-150°	2084.0	23.6
90°-180°	2385.0	27.0
0°-180°	8831.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2271	2271	2271	2271	2271	
5°	2281	2259	2269	2263	2256	217
15°	2193	2172	2180	2178	2172	619
25°	2022	2002	2012	1999	1999	931
35°	1780	1767	1773	1757	1761	1114
45°	1491	1479	1485	1470	1466	1150
55°	1162	1160	1156	1144	1147	1040
65°	815	808	805	798	796	807
75°	460	455	451	451	448	485
85°	128	128	119	113	110	137
90°	2	2	3	2	2	10
95°	20	71	412	194	125	22
105°	72	118	524	852	747	76
115°	126	159	388	872	1015	125
125°	178	206	359	647	777	160
135°	227	248	352	527	610	175
145°	274	287	348	436	483	171
155°	317	322	352	385	402	146
165°	349	348	358	368	373	98
175°	366	362	363	363	363	35
180°	364	364	364	364	364	



TEST NUMBER: P234866

CATALOG NUMBER: CTA-F-2575-30L830-UNV-12

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2271.4	2271.4	2271.4	2271.4	2271.4
2.5°	2287.3	2265.2	2274.0	2271.4	2259.0
5°	2281.1	2259.0	2268.7	2262.6	2255.5
7.5°	2268.7	2246.7	2255.5	2249.3	2246.7
10°	2246.7	2224.6	2233.4	2227.2	2224.6
12.5°	2221.9	2199.9	2212.2	2205.2	2199.9
15°	2192.8	2171.6	2180.4	2177.8	2171.6
17.5°	2158.4	2136.3	2146.0	2143.3	2133.6
20°	2117.7	2095.7	2108.9	2099.2	2095.7
22.5°	2070.9	2052.4	2062.1	2048.9	2048.9
25°	2021.5	2002.0	2011.8	1999.4	1999.4
27.5°	1967.6	1949.1	1961.4	1945.5	1942.0
30°	1908.4	1892.5	1902.3	1886.4	1886.4
32.5°	1844.8	1832.5	1842.2	1822.8	1822.8
35°	1779.5	1767.1	1773.3	1757.4	1761.0
37.5°	1713.3	1700.9	1708.0	1692.1	1694.7
40°	1641.7	1632.0	1635.5	1619.7	1617.0
42.5°	1570.2	1557.0	1563.1	1548.1	1548.1
45°	1490.7	1479.2	1485.4	1469.5	1466.0
47.5°	1410.4	1406.8	1403.3	1390.9	1394.5
50°	1330.9	1329.1	1325.6	1312.3	1315.9
52.5°	1247.0	1243.4	1240.8	1228.4	1231.1
55°	1162.2	1159.5	1156.0	1143.6	1147.2
57.5°	1078.3	1074.8	1071.2	1062.4	1062.4
60°	990.0	987.3	983.8	977.6	977.6
62.5°	906.1	902.6	896.4	889.3	889.3
65°	815.1	808.1	805.4	798.3	795.7
67.5°	726.8	717.1	714.4	710.9	708.3
70°	636.7	629.7	627.0	623.5	620.0
72.5°	547.5	542.2	538.7	538.7	532.5
75°	460.1	454.8	451.3	451.3	447.7
77.5°	369.1	372.7	366.5	366.5	360.3
80°	285.2	285.2	281.7	279.1	275.5
82.5°	204.0	206.7	200.5	196.9	190.8
85°	128.1	128.1	119.2	113.0	109.5
87.5°	56.5	53.9	46.8	40.6	34.4
90°	1.8	1.8	2.6	1.8	1.8
92.5°	10.6	45.9	171.3	40.6	27.4
95°	20.3	70.7	411.5	194.3	125.4
97.5°	31.8	85.7	527.2	347.1	262.3
100°	45.0	111.3	567.8	510.4	385.0
102.5°	58.3	117.5	552.0	700.3	564.3
105°	71.5	118.3	523.7	852.2	747.1
107.5°	85.7	121.0	510.4	944.1	907.0
110°	98.9	132.5	458.3	967.0	1005.9



TEST NUMBER: P234866

CATALOG NUMBER: CTA-F-2575-30L830-UNV-12

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	113.0	146.6	413.3	934.3	1040.3
115°	126.3	159.0	387.7	871.6	1014.7
117.5°	140.4	171.3	373.6	801.9	960.0
120°	153.7	182.8	365.6	740.9	896.4
122.5°	166.0	194.3	361.2	690.6	831.9
125°	178.4	205.8	359.4	647.3	777.2
127.5°	190.8	216.4	357.7	612.9	727.7
130°	203.1	226.1	355.9	581.1	684.4
132.5°	215.5	237.6	353.3	552.8	646.4
135°	227.0	248.2	352.4	527.2	610.2
137.5°	239.3	258.8	350.6	501.6	575.8
140°	250.8	268.5	348.8	476.9	542.2
142.5°	262.3	278.2	348.8	455.7	511.3
145°	273.8	287.0	348.0	436.3	483.1
147.5°	285.2	295.8	348.8	419.5	457.5
150°	295.8	305.6	349.7	406.2	436.3
152.5°	306.4	313.5	350.6	393.9	417.7
155°	317.0	321.5	352.4	385.0	401.8
157.5°	325.9	328.5	354.1	378.9	392.1
160°	333.8	336.5	355.0	374.4	384.2
162.5°	341.8	342.7	356.8	370.9	377.1
165°	348.8	348.0	358.5	368.3	372.7
167.5°	354.1	353.3	360.3	365.6	369.1
170°	359.4	357.7	361.2	364.7	366.5
172.5°	363.8	360.3	363.0	363.8	364.7
175°	366.5	362.1	363.0	363.0	363.0
177.5°	368.3	363.8	363.8	363.8	361.2
180°	363.8	363.8	363.8	363.8	363.8

(END OF REPORT)