

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: P234590

Luminaire Tested: **CTA-F-2575-60L830-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-14)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-2575-60L830-UNV-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (672) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11736.0 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')
CIE Type: Semi-Direct

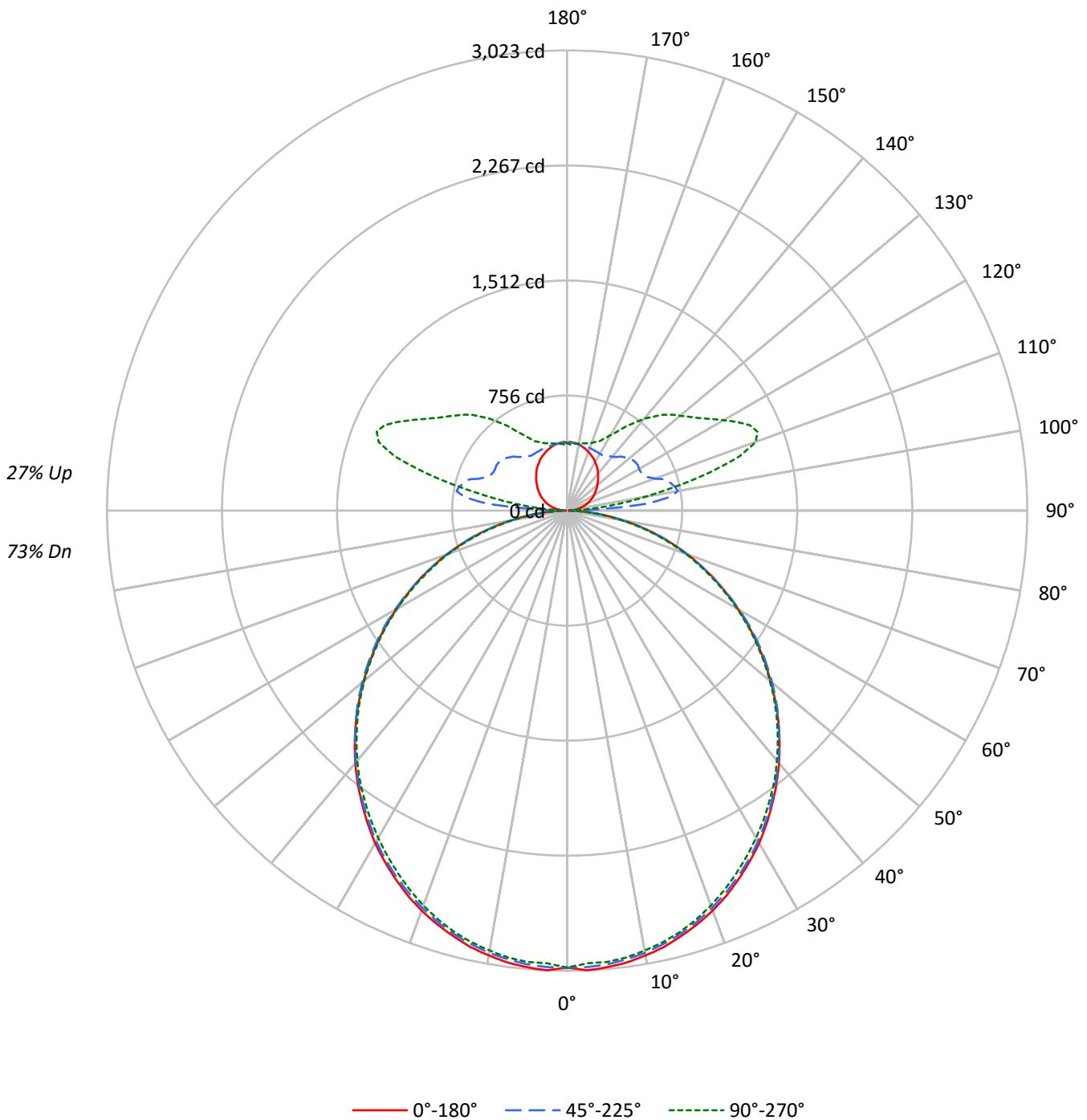
Input Watts (W): 118.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		75	73	71		67	66	64	60
2	93	85	79	73	88	81	75	70	73	68	64		66	62	59		59	56	54	50
3	85	75	67	61	80	71	64	58	64	59	54		58	53	50		52	48	45	42
4	78	66	58	51	73	63	55	49	57	51	46		51	46	42		46	42	39	36
5	71	59	50	44	67	56	48	42	51	44	39		46	41	37		42	37	34	31
6	66	53	44	38	62	50	43	37	46	39	34		42	36	32		38	33	30	27
7	61	48	39	33	57	46	38	32	42	35	30		38	32	28		34	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	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9693	9693	9693
5°	9761	9699	9649
10°	9729	9672	9622
15°	9675	9623	9579
20°	9608	9548	9489
25°	9510	9455	9366
30°	9407	9350	9257
35°	9263	9225	9150
40°	9127	9103	9038
45°	8966	8966	8904
50°	8772	8829	8733
55°	8585	8661	8542
60°	8371	8445	8333
65°	8184	8169	8067
70°	7952	7897	7824
75°	7629	7533	7413
80°	7008	6973	6759
85°	6128	5842	5342



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.9	2.4
10°-20°	810.8	6.9
20°-30°	1219.8	10.4
30°-40°	1460.2	12.4
40°-50°	1509.5	12.9
50°-60°	1365.7	11.6
60°-70°	1057.9	9.0
70°-80°	637.3	5.4
80°-90°	184.4	1.6
90°-100°	262.8	2.2
100°-110°	653.0	5.6
110°-120°	665.7	5.7
120°-130°	533.8	4.5
130°-140°	420.0	3.6
140°-150°	300.0	2.6
150°-160°	204.1	1.7
160°-170°	124.7	1.1
170°-180°	42.4	0.4
0°-30°	2314.6	19.7
0°-40°	3774.8	32.2
0°-60°	6649.9	56.7
0°-90°	8529.5	72.7
90°-120°	1581.5	13.5
90°-150°	2835.3	24.2
90°-180°	3207.0	27.3
0°-180°	11736.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3002	3002	3002	3002	3002	
5°	3012	2983	2992	2985	2977	286
15°	2894	2867	2879	2873	2865	817
25°	2669	2644	2654	2638	2629	1230
35°	2350	2331	2340	2329	2321	1471
45°	1964	1954	1964	1956	1950	1514
55°	1525	1525	1538	1525	1517	1363
65°	1071	1075	1069	1064	1056	1059
75°	612	610	604	596	594	644
85°	165	165	158	150	144	179
90°	10	23	23	23	21	16
95°	38	115	535	260	179	42
105°	112	196	702	1112	973	118
115°	173	252	554	1133	1325	173
125°	231	275	550	902	1060	207
135°	288	314	502	769	890	222
145°	344	360	436	590	675	215
155°	390	396	433	479	502	180
165°	427	427	438	454	458	120
175°	448	444	446	446	440	43
180°	444	444	444	444	444	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3001.9	3001.9	3001.9	3001.9	3001.9
2.5°	3023.1	2992.3	3001.9	2996.2	2976.9
5°	3011.5	2982.7	2992.3	2984.6	2976.9
7.5°	2994.2	2965.4	2975.0	2967.3	2961.5
10°	2967.3	2940.4	2950.0	2942.3	2934.6
12.5°	2936.5	2905.8	2917.3	2907.7	2903.8
15°	2894.2	2867.3	2878.8	2873.1	2865.4
17.5°	2848.1	2821.2	2832.7	2828.8	2817.3
20°	2796.2	2769.2	2778.8	2769.2	2761.5
22.5°	2736.5	2711.5	2719.2	2705.8	2698.1
25°	2669.2	2644.2	2653.8	2638.5	2628.8
27.5°	2598.1	2575.0	2584.6	2569.2	2557.7
30°	2523.1	2498.1	2507.7	2490.4	2482.7
32.5°	2438.5	2417.3	2425.0	2413.5	2403.8
35°	2350.0	2330.8	2340.4	2328.8	2321.2
37.5°	2259.6	2242.3	2250.0	2240.4	2236.5
40°	2165.4	2148.1	2159.6	2150.0	2144.2
42.5°	2065.4	2051.9	2061.5	2055.8	2048.1
45°	1963.5	1953.8	1963.5	1955.8	1950.0
47.5°	1855.8	1850.0	1863.5	1851.9	1846.2
50°	1746.2	1744.2	1757.7	1746.2	1738.5
52.5°	1636.5	1636.5	1648.1	1636.5	1628.8
55°	1525.0	1525.0	1538.5	1525.0	1517.3
57.5°	1413.5	1417.3	1425.0	1411.5	1405.8
60°	1296.2	1305.8	1307.7	1296.2	1290.4
62.5°	1182.7	1190.4	1188.5	1180.8	1173.1
65°	1071.2	1075.0	1069.2	1063.5	1055.8
67.5°	955.8	961.5	953.8	950.0	940.4
70°	842.3	846.2	836.5	832.7	828.8
72.5°	725.0	725.0	721.2	715.4	711.5
75°	611.5	609.6	603.8	596.2	594.2
77.5°	494.2	494.2	492.3	480.8	476.9
80°	376.9	376.9	375.0	367.3	363.5
82.5°	269.2	269.2	261.5	259.6	255.8
85°	165.4	165.4	157.7	150.0	144.2
87.5°	71.2	67.3	61.5	53.8	51.9
90°	9.6	23.1	23.1	23.1	21.2
92.5°	28.8	78.8	209.6	75.0	55.8
95°	38.5	115.4	534.6	259.6	178.8
97.5°	61.5	138.5	675.0	446.2	348.1
100°	78.8	173.1	738.5	655.8	515.4
102.5°	96.2	186.5	725.0	896.2	726.9
105°	111.5	196.2	701.9	1111.5	973.1
107.5°	128.8	207.7	676.9	1230.8	1186.5
110°	144.2	226.9	613.5	1257.7	1317.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	159.6	242.3	573.1	1211.5	1353.8
115°	173.1	251.9	553.8	1132.7	1325.0
117.5°	190.4	259.6	546.2	1055.8	1259.6
120°	203.8	263.5	546.2	992.3	1186.5
122.5°	217.3	267.3	551.9	940.4	1119.2
125°	230.8	275.0	550.0	901.9	1059.6
127.5°	246.2	278.8	544.2	871.2	1011.5
130°	257.7	288.5	534.6	844.2	969.2
132.5°	273.1	301.9	517.3	811.5	932.7
135°	288.5	313.5	501.9	769.2	890.4
137.5°	301.9	325.0	476.9	728.8	836.5
140°	315.4	336.5	461.5	682.7	786.5
142.5°	330.8	348.1	451.9	640.4	726.9
145°	344.2	359.6	436.5	590.4	675.0
147.5°	355.8	369.2	430.8	551.9	615.4
150°	367.3	378.8	430.8	525.0	573.1
152.5°	380.8	386.5	432.7	490.4	534.6
155°	390.4	396.2	432.7	478.8	501.9
157.5°	400.0	403.8	434.6	469.2	488.5
160°	409.6	413.5	436.5	461.5	473.1
162.5°	419.2	419.2	436.5	457.7	463.5
165°	426.9	426.9	438.5	453.8	457.7
167.5°	434.6	432.7	440.4	450.0	451.9
170°	440.4	436.5	442.3	448.1	446.2
172.5°	446.2	440.4	444.2	446.2	444.2
175°	448.1	444.2	446.2	446.2	440.4
177.5°	451.9	446.2	446.2	444.2	434.6
180°	444.2	444.2	444.2	444.2	444.2

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