

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: P234592

Luminaire Tested: **CTA-F-2575-60L840-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234592
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-2575-60L840-UNV-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (672) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12440.2 lumens
Efficiency: N/A
Efficacy: 104.7 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

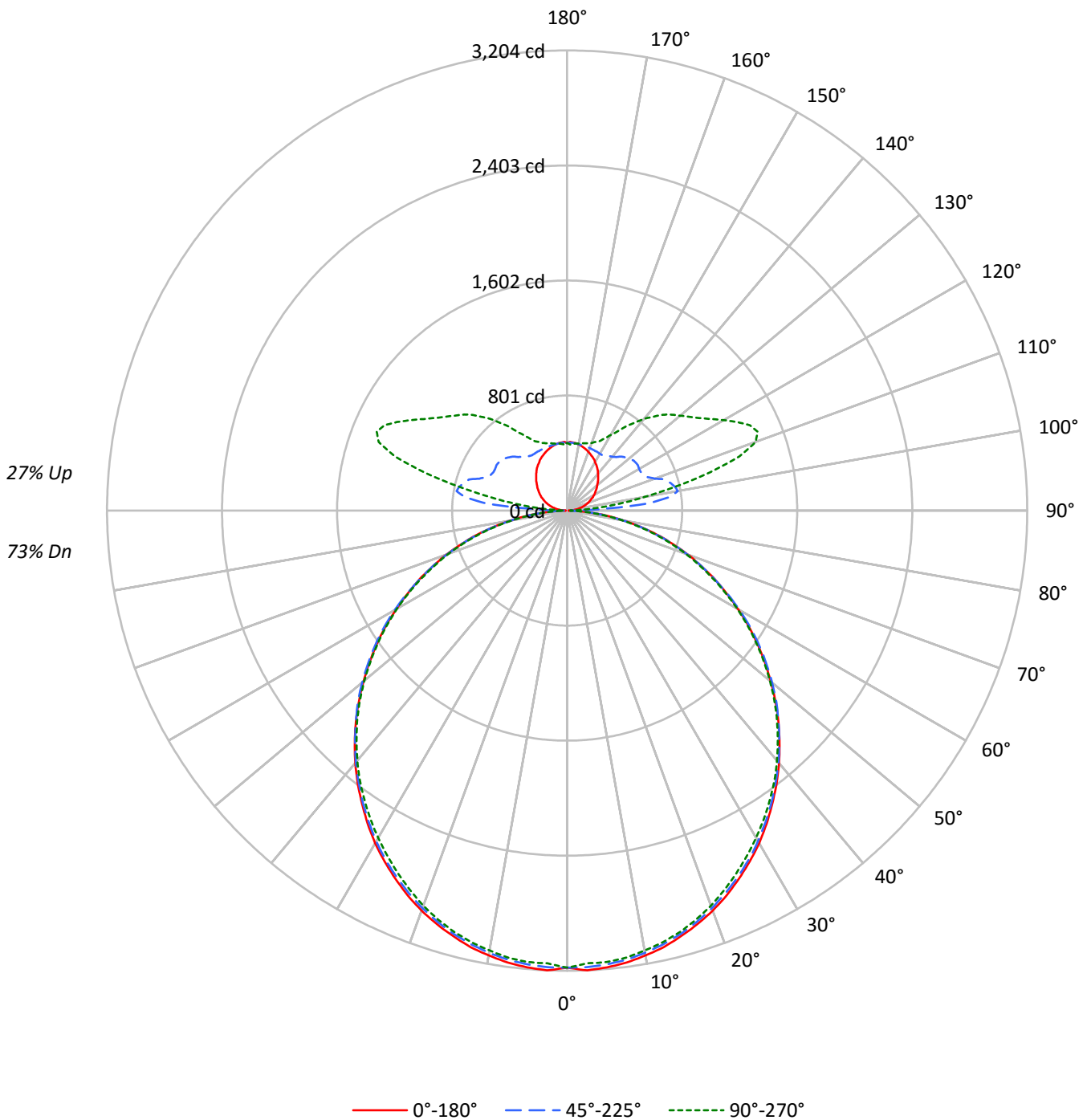
Input Watts (W): 118.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10274	10274	10274
5°	10347	10281	10228
10°	10313	10253	10199
15°	10255	10201	10153
20°	10184	10121	10058
25°	10080	10022	9928
30°	9972	9911	9812
35°	9819	9779	9698
40°	9675	9649	9580
45°	9504	9504	9439
50°	9298	9359	9257
55°	9100	9180	9054
60°	8872	8952	8833
65°	8675	8659	8550
70°	8429	8371	8295
75°	8087	7986	7858
80°	7429	7391	7164
85°	6494	6194	5665



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.0	2.4
10°-20°	859.5	6.9
20°-30°	1293.0	10.4
30°-40°	1547.8	12.4
40°-50°	1600.0	12.9
50°-60°	1447.6	11.6
60°-70°	1121.4	9.0
70°-80°	675.5	5.4
80°-90°	195.5	1.6
90°-100°	278.6	2.2
100°-110°	692.2	5.6
110°-120°	705.6	5.7
120°-130°	565.8	4.5
130°-140°	445.2	3.6
140°-150°	318.0	2.6
150°-160°	216.4	1.7
160°-170°	132.2	1.1
170°-180°	44.9	0.4
0°-30°	2453.4	19.7
0°-40°	4001.3	32.2
0°-60°	7048.9	56.7
0°-90°	9041.2	72.7
90°-120°	1676.4	13.5
90°-150°	3005.4	24.2
90°-180°	3399.0	27.3
0°-180°	12440.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3182	3182	3182	3182	3182	
5°	3192	3162	3172	3164	3156	303
15°	3068	3039	3052	3046	3037	866
25°	2829	2803	2813	2797	2787	1304
35°	2491	2471	2481	2469	2460	1559
45°	2081	2071	2081	2073	2067	1604
55°	1616	1616	1631	1616	1608	1445
65°	1135	1140	1133	1127	1119	1122
75°	648	646	640	632	630	682
85°	175	175	167	159	153	190
90°	10	24	24	24	22	17
95°	41	122	567	275	190	44
105°	118	208	744	1178	1032	125
115°	184	267	587	1201	1404	183
125°	245	292	583	956	1123	219
135°	306	332	532	815	944	235
145°	365	381	463	626	716	228
155°	414	420	459	508	532	191
165°	452	452	465	481	485	128
175°	475	471	473	473	467	45
180°	471	471	471	471	471	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3182.0	3182.0	3182.0	3182.0	3182.0
2.5°	3204.5	3171.8	3182.0	3175.9	3155.5
5°	3192.2	3161.7	3171.8	3163.7	3155.5
7.5°	3173.9	3143.3	3153.5	3145.3	3139.2
10°	3145.3	3116.8	3127.0	3118.8	3110.7
12.5°	3112.7	3080.1	3092.3	3082.2	3078.1
15°	3067.9	3039.3	3051.6	3045.5	3037.3
17.5°	3019.0	2990.4	3002.7	2998.6	2986.3
20°	2963.9	2935.4	2945.6	2935.4	2927.2
22.5°	2900.7	2874.2	2882.4	2868.1	2860.0
25°	2829.4	2802.9	2813.1	2796.8	2786.6
27.5°	2754.0	2729.5	2739.7	2723.4	2711.2
30°	2674.5	2648.0	2658.2	2639.8	2631.7
32.5°	2584.8	2562.3	2570.5	2558.3	2548.1
35°	2491.0	2470.6	2480.8	2468.6	2460.4
37.5°	2395.2	2376.8	2385.0	2374.8	2370.7
40°	2295.3	2277.0	2289.2	2279.0	2272.9
42.5°	2189.3	2175.0	2185.2	2179.1	2171.0
45°	2081.3	2071.1	2081.3	2073.1	2067.0
47.5°	1967.1	1961.0	1975.3	1963.0	1956.9
50°	1850.9	1848.9	1863.2	1850.9	1842.8
52.5°	1734.7	1734.7	1747.0	1734.7	1726.6
55°	1616.5	1616.5	1630.8	1616.5	1608.3
57.5°	1498.3	1502.3	1510.5	1496.2	1490.1
60°	1373.9	1384.1	1386.2	1373.9	1367.8
62.5°	1253.7	1261.8	1259.8	1251.6	1243.5
65°	1135.4	1139.5	1133.4	1127.3	1119.1
67.5°	1013.1	1019.2	1011.1	1007.0	996.8
70°	892.8	896.9	886.7	882.7	878.6
72.5°	768.5	768.5	764.4	758.3	754.2
75°	648.2	646.2	640.1	631.9	629.9
77.5°	523.9	523.9	521.8	509.6	505.5
80°	399.5	399.5	397.5	389.3	385.3
82.5°	285.4	285.4	277.2	275.2	271.1
85°	175.3	175.3	167.2	159.0	152.9
87.5°	75.4	71.3	65.2	57.1	55.0
90°	10.2	24.5	24.5	24.5	22.4
92.5°	30.6	83.6	222.2	79.5	59.1
95°	40.8	122.3	566.7	275.2	189.6
97.5°	65.2	146.8	715.5	472.9	369.0
100°	83.6	183.5	782.8	695.1	546.3
102.5°	101.9	197.7	768.5	949.9	770.5
105°	118.2	207.9	744.0	1178.2	1031.5
107.5°	136.6	220.2	717.5	1304.6	1257.7
110°	152.9	240.5	650.3	1333.2	1396.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	169.2	256.8	607.5	1284.2	1435.1
115°	183.5	267.0	587.1	1200.7	1404.5
117.5°	201.8	275.2	578.9	1119.1	1335.2
120°	216.1	279.3	578.9	1051.8	1257.7
122.5°	230.3	283.3	585.0	996.8	1186.4
125°	244.6	291.5	583.0	956.0	1123.2
127.5°	260.9	295.6	576.9	923.4	1072.2
130°	273.2	305.8	566.7	894.9	1027.4
132.5°	289.5	320.0	548.3	860.2	988.7
135°	305.8	332.3	532.0	815.4	943.8
137.5°	320.0	344.5	505.5	772.6	886.7
140°	334.3	356.7	489.2	723.7	833.7
142.5°	350.6	369.0	479.0	678.8	770.5
145°	364.9	381.2	462.7	625.8	715.5
147.5°	377.1	391.4	456.6	585.0	652.3
150°	389.3	401.6	456.6	556.5	607.5
152.5°	403.6	409.7	458.7	519.8	566.7
155°	413.8	419.9	458.7	507.6	532.0
157.5°	424.0	428.1	460.7	497.4	517.8
160°	434.2	438.3	462.7	489.2	501.5
162.5°	444.4	444.4	462.7	485.2	491.3
165°	452.5	452.5	464.8	481.1	485.2
167.5°	460.7	458.7	466.8	477.0	479.0
170°	466.8	462.7	468.8	475.0	472.9
172.5°	472.9	466.8	470.9	472.9	470.9
175°	475.0	470.9	472.9	472.9	466.8
177.5°	479.0	472.9	472.9	470.9	460.7
180°	470.9	470.9	470.9	470.9	470.9

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