

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: P234595

Luminaire Tested: **CTA-F-2575-60L840-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234595
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-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (1008) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18660.4 lumens
Efficiency: N/A
Efficacy: 105.4 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

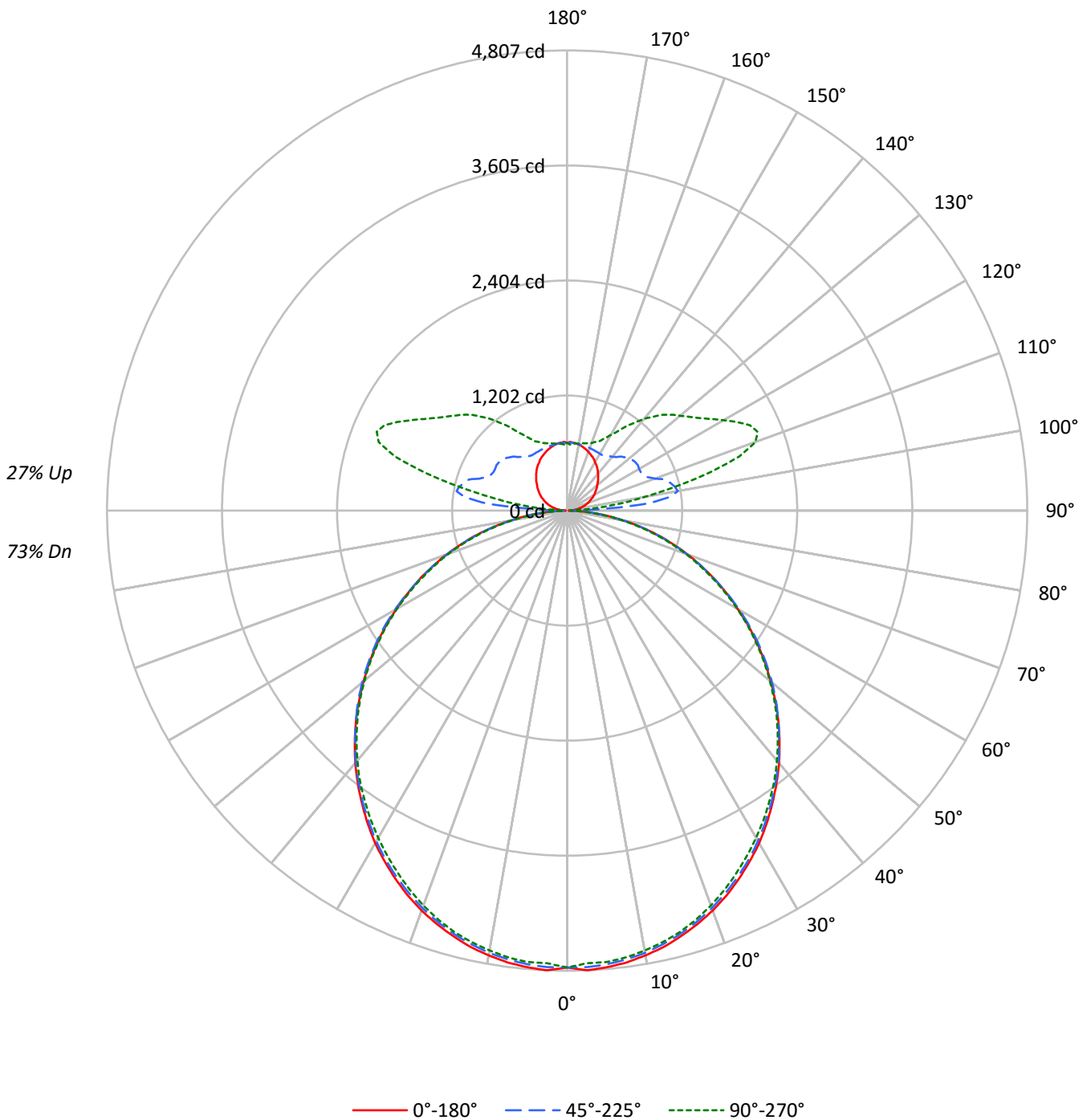
Input Watts (W): 177
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10275	10275	10275
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°	8873	8951	8833
65°	8675	8659	8550
70°	8429	8371	8295
75°	8087	7985	7858
80°	7429	7392	7164
85°	6496	6192	5663



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.4	2.4
10°-20°	1289.2	6.9
20°-30°	1939.5	10.4
30°-40°	2321.7	12.4
40°-50°	2400.0	12.9
50°-60°	2171.4	11.6
60°-70°	1682.0	9.0
70°-80°	1013.3	5.4
80°-90°	293.3	1.6
90°-100°	417.9	2.2
100°-110°	1038.3	5.6
110°-120°	1058.4	5.7
120°-130°	848.8	4.5
130°-140°	667.9	3.6
140°-150°	476.9	2.6
150°-160°	324.6	1.7
160°-170°	198.3	1.1
170°-180°	67.4	0.4
0°-30°	3680.1	19.7
0°-40°	6001.9	32.2
0°-60°	10573.3	56.7
0°-90°	13561.9	72.7
90°-120°	2514.6	13.5
90°-150°	4508.2	24.2
90°-180°	5098.0	27.3
0°-180°	18660.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4773	4773	4773	4773	4773	
5°	4788	4742	4758	4746	4733	455
15°	4602	4559	4577	4568	4556	1299
25°	4244	4204	4220	4195	4180	1956
35°	3736	3706	3721	3703	3691	2338
45°	3122	3107	3122	3110	3100	2407
55°	2425	2425	2446	2425	2412	2168
65°	1703	1709	1700	1691	1679	1684
75°	972	969	960	948	945	1023
85°	263	263	251	238	229	285
90°	15	37	37	37	34	26
95°	61	184	850	413	284	67
105°	177	312	1116	1767	1547	188
115°	275	401	881	1801	2107	274
125°	367	437	874	1434	1685	329
135°	459	498	798	1223	1416	353
145°	547	572	694	939	1073	342
155°	621	630	688	761	798	286
165°	679	679	697	722	728	191
175°	712	706	709	709	700	68
180°	706	706	706	706	706	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4773.1	4773.1	4773.1	4773.1	4773.1
2.5°	4806.7	4757.8	4773.1	4763.9	4733.3
5°	4788.3	4742.5	4757.8	4745.5	4733.3
7.5°	4760.8	4715.0	4730.3	4718.0	4708.8
10°	4718.0	4675.2	4690.5	4678.3	4666.0
12.5°	4669.1	4620.2	4638.5	4623.2	4617.1
15°	4601.8	4559.0	4577.4	4568.2	4556.0
17.5°	4528.4	4485.6	4504.0	4497.9	4479.5
20°	4445.9	4403.1	4418.4	4403.1	4390.8
22.5°	4351.1	4311.3	4323.6	4302.2	4289.9
25°	4244.1	4204.3	4219.6	4195.2	4179.9
27.5°	4130.9	4094.3	4109.5	4085.1	4066.7
30°	4011.7	3971.9	3987.2	3959.7	3947.5
32.5°	3877.2	3843.5	3855.8	3837.4	3822.1
35°	3736.5	3705.9	3721.2	3702.9	3690.6
37.5°	3592.8	3565.3	3577.5	3562.2	3556.1
40°	3443.0	3415.4	3433.8	3418.5	3409.3
42.5°	3284.0	3262.6	3277.8	3268.7	3256.4
45°	3121.9	3106.6	3121.9	3109.7	3100.5
47.5°	2950.7	2941.5	2962.9	2944.6	2935.4
50°	2776.4	2773.3	2794.7	2776.4	2764.2
52.5°	2602.1	2602.1	2620.4	2602.1	2589.9
55°	2424.8	2424.8	2446.2	2424.8	2412.5
57.5°	2247.4	2253.5	2265.8	2244.3	2235.2
60°	2060.9	2076.2	2079.2	2060.9	2051.7
62.5°	1880.5	1892.7	1889.7	1877.4	1865.2
65°	1703.1	1709.3	1700.1	1690.9	1678.7
67.5°	1519.7	1528.8	1516.6	1510.5	1495.2
70°	1339.3	1345.4	1330.1	1324.0	1317.9
72.5°	1152.8	1152.8	1146.6	1137.5	1131.3
75°	972.3	969.3	960.1	947.9	944.8
77.5°	785.8	785.8	782.8	764.4	758.3
80°	599.3	599.3	596.3	584.0	577.9
82.5°	428.1	428.1	415.8	412.8	406.7
85°	263.0	263.0	250.7	238.5	229.3
87.5°	113.1	107.0	97.8	85.6	82.6
90°	15.3	36.7	36.7	36.7	33.6
92.5°	45.9	125.4	333.3	119.3	88.7
95°	61.2	183.5	850.0	412.8	284.4
97.5°	97.8	220.2	1073.3	709.4	553.4
100°	125.4	275.2	1174.2	1042.7	819.5
102.5°	152.9	296.6	1152.8	1424.9	1155.8
105°	177.3	311.9	1116.1	1767.3	1547.2
107.5°	204.9	330.2	1076.3	1956.9	1886.6
110°	229.3	360.8	975.4	1999.7	2094.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	253.8	385.3	911.2	1926.3	2152.6
115°	275.2	400.6	880.6	1801.0	2106.8
117.5°	302.7	412.8	868.4	1678.7	2002.8
120°	324.1	418.9	868.4	1577.8	1886.6
122.5°	345.5	425.0	877.6	1495.2	1779.6
125°	366.9	437.3	874.5	1434.1	1684.8
127.5°	391.4	443.4	865.3	1385.1	1608.3
130°	409.7	458.7	850.0	1342.3	1541.1
132.5°	434.2	480.1	822.5	1290.3	1483.0
135°	458.7	498.4	798.1	1223.1	1415.7
137.5°	480.1	516.8	758.3	1158.9	1330.1
140°	501.5	535.1	733.8	1085.5	1250.6
142.5°	525.9	553.4	718.6	1018.2	1155.8
145°	547.3	571.8	694.1	938.7	1073.3
147.5°	565.7	587.1	684.9	877.6	978.5
150°	584.0	602.4	684.9	834.8	911.2
152.5°	605.4	614.6	688.0	779.7	850.0
155°	620.7	629.9	688.0	761.4	798.1
157.5°	636.0	642.1	691.0	746.1	776.7
160°	651.3	657.4	694.1	733.8	752.2
162.5°	666.6	666.6	694.1	727.7	736.9
165°	678.8	678.8	697.2	721.6	727.7
167.5°	691.0	688.0	700.2	715.5	718.6
170°	700.2	694.1	703.3	712.4	709.4
172.5°	709.4	700.2	706.3	709.4	706.3
175°	712.4	706.3	709.4	709.4	700.2
177.5°	718.6	709.4	709.4	706.3	691.0
180°	706.3	706.3	706.3	706.3	706.3

(END OF REPORT)