

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: P234589

Luminaire Tested: **CTA-F-2575-60L840-UNV-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234589  
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-4  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
6000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT  
Light Source: (336) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6220.2 lumens  
Efficiency: N/A  
Efficacy: 105.1 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Semi-Direct

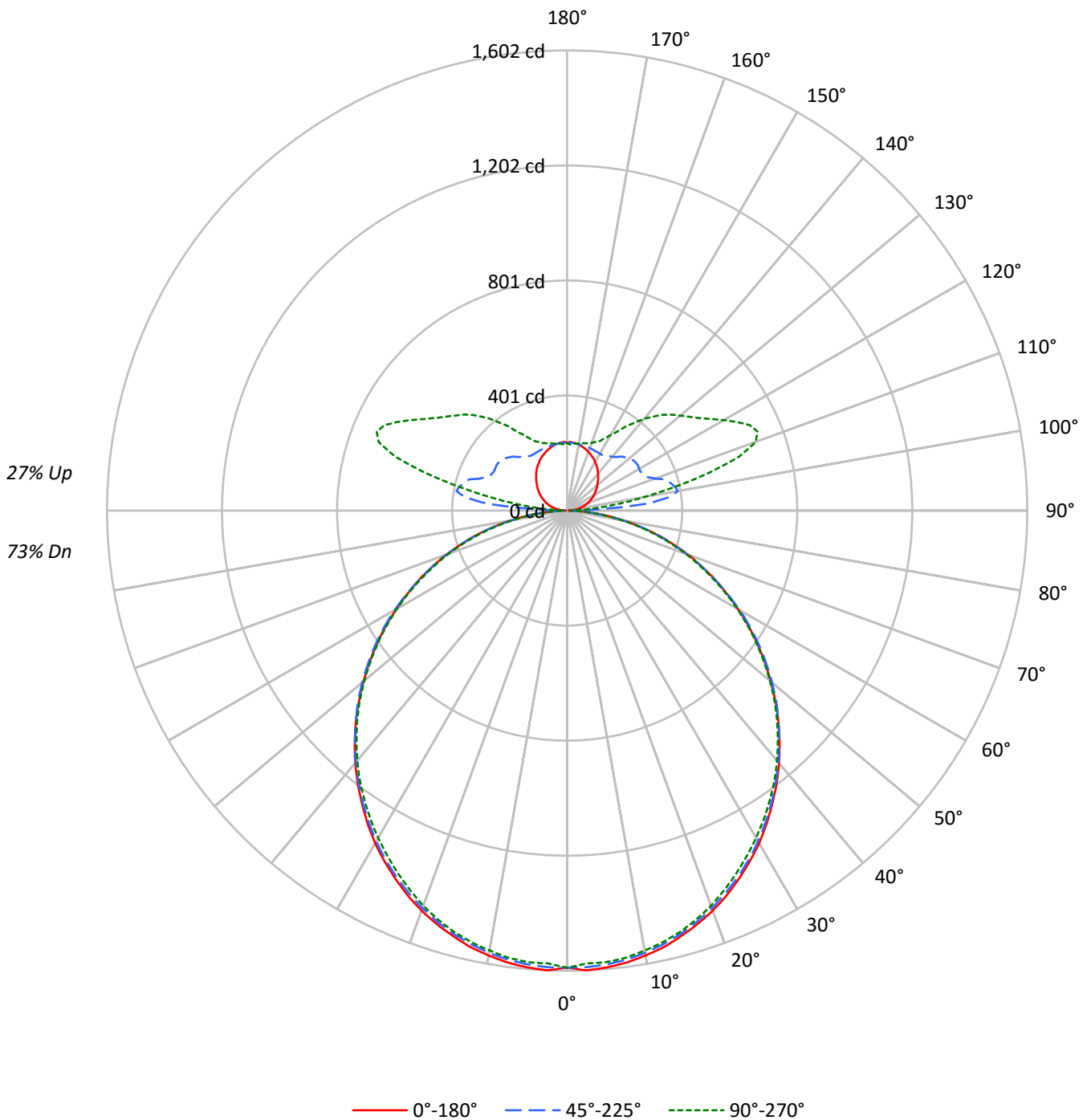
Input Watts (W): 59.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	10185	10121	10058
25°	10080	10022	9928
30°	9971	9911	9812
35°	9819	9779	9698
40°	9675	9649	9580
45°	9504	9504	9439
50°	9298	9359	9257
55°	9101	9180	9054
60°	8873	8952	8833
65°	8675	8659	8551
70°	8429	8372	8295
75°	8087	7984	7857
80°	7430	7393	7163
85°	6498	6194	5661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.5	2.4
10°-20°	429.7	6.9
20°-30°	646.5	10.4
30°-40°	773.9	12.4
40°-50°	800.0	12.9
50°-60°	723.8	11.6
60°-70°	560.7	9.0
70°-80°	337.8	5.4
80°-90°	97.8	1.6
90°-100°	139.3	2.2
100°-110°	346.1	5.6
110°-120°	352.8	5.7
120°-130°	282.9	4.5
130°-140°	222.6	3.6
140°-150°	159.0	2.6
150°-160°	108.2	1.7
160°-170°	66.1	1.1
170°-180°	22.5	0.4
0°-30°	1226.7	19.7
0°-40°	2000.6	32.2
0°-60°	3524.5	56.7
0°-90°	4520.7	72.7
90°-120°	838.2	13.5
90°-150°	1502.7	24.2
90°-180°	1700.0	27.3
0°-180°	6220.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1591	1591	1591	1591	1591	
5°	1596	1581	1586	1582	1578	152
15°	1534	1520	1526	1523	1519	433
25°	1415	1401	1406	1398	1393	652
35°	1246	1235	1240	1234	1230	779
45°	1041	1036	1041	1037	1034	802
55°	808	808	815	808	804	723
65°	568	570	567	564	560	561
75°	324	323	320	316	315	341
85°	88	88	84	80	76	95
90°	5	12	12	12	11	9
95°	20	61	283	138	95	22
105°	59	104	372	589	516	63
115°	92	134	294	600	702	91
125°	122	146	292	478	562	110
135°	153	166	266	408	472	118
145°	182	191	231	313	358	114
155°	207	210	229	254	266	95
165°	226	226	232	240	243	64
175°	238	235	236	236	233	23
180°	235	235	235	235	235	



TEST NUMBER: P234589

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1591.0	1591.0	1591.0	1591.0	1591.0
2.5°	1602.2	1585.9	1591.0	1588.0	1577.8
5°	1596.1	1580.8	1585.9	1581.8	1577.8
7.5°	1586.9	1571.7	1576.8	1572.7	1569.6
10°	1572.7	1558.4	1563.5	1559.4	1555.3
12.5°	1556.4	1540.1	1546.2	1541.1	1539.0
15°	1533.9	1519.7	1525.8	1522.7	1518.7
17.5°	1509.5	1495.2	1501.3	1499.3	1493.2
20°	1482.0	1467.7	1472.8	1467.7	1463.6
22.5°	1450.4	1437.1	1441.2	1434.1	1430.0
25°	1414.7	1401.4	1406.5	1398.4	1393.3
27.5°	1377.0	1364.8	1369.8	1361.7	1355.6
30°	1337.2	1324.0	1329.1	1319.9	1315.8
32.5°	1292.4	1281.2	1285.3	1279.1	1274.0
35°	1245.5	1235.3	1240.4	1234.3	1230.2
37.5°	1197.6	1188.4	1192.5	1187.4	1185.4
40°	1147.7	1138.5	1144.6	1139.5	1136.4
42.5°	1094.7	1087.5	1092.6	1089.6	1085.5
45°	1040.6	1035.5	1040.6	1036.6	1033.5
47.5°	983.6	980.5	987.6	981.5	978.5
50°	925.5	924.4	931.6	925.5	921.4
52.5°	867.4	867.4	873.5	867.4	863.3
55°	808.3	808.3	815.4	808.3	804.2
57.5°	749.1	751.2	755.3	748.1	745.1
60°	687.0	692.1	693.1	687.0	683.9
62.5°	626.8	630.9	629.9	625.8	621.7
65°	567.7	569.8	566.7	563.6	559.6
67.5°	506.6	509.6	505.5	503.5	498.4
70°	446.4	448.5	443.4	441.3	439.3
72.5°	384.3	384.3	382.2	379.2	377.1
75°	324.1	323.1	320.0	316.0	314.9
77.5°	261.9	261.9	260.9	254.8	252.8
80°	199.8	199.8	198.8	194.7	192.6
82.5°	142.7	142.7	138.6	137.6	135.6
85°	87.7	87.7	83.6	79.5	76.4
87.5°	37.7	35.7	32.6	28.5	27.5
90°	5.1	12.2	12.2	12.2	11.2
92.5°	15.3	41.8	111.1	39.8	29.6
95°	20.4	61.2	283.3	137.6	94.8
97.5°	32.6	73.4	357.8	236.5	184.5
100°	41.8	91.7	391.4	347.6	273.2
102.5°	51.0	98.9	384.3	475.0	385.3
105°	59.1	104.0	372.0	589.1	515.7
107.5°	68.3	110.1	358.8	652.3	628.9
110°	76.4	120.3	325.1	666.6	698.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	84.6	128.4	303.7	642.1	717.5
115°	91.7	133.5	293.5	600.3	702.3
117.5°	100.9	137.6	289.5	559.6	667.6
120°	108.0	139.6	289.5	525.9	628.9
122.5°	115.2	141.7	292.5	498.4	593.2
125°	122.3	145.8	291.5	478.0	561.6
127.5°	130.5	147.8	288.4	461.7	536.1
130°	136.6	152.9	283.3	447.4	513.7
132.5°	144.7	160.0	274.2	430.1	494.3
135°	152.9	166.1	266.0	407.7	471.9
137.5°	160.0	172.3	252.8	386.3	443.4
140°	167.2	178.4	244.6	361.8	416.9
142.5°	175.3	184.5	239.5	339.4	385.3
145°	182.4	190.6	231.4	312.9	357.8
147.5°	188.6	195.7	228.3	292.5	326.2
150°	194.7	200.8	228.3	278.3	303.7
152.5°	201.8	204.9	229.3	259.9	283.3
155°	206.9	210.0	229.3	253.8	266.0
157.5°	212.0	214.0	230.3	248.7	258.9
160°	217.1	219.1	231.4	244.6	250.7
162.5°	222.2	222.2	231.4	242.6	245.6
165°	226.3	226.3	232.4	240.5	242.6
167.5°	230.3	229.3	233.4	238.5	239.5
170°	233.4	231.4	234.4	237.5	236.5
172.5°	236.5	233.4	235.4	236.5	235.4
175°	237.5	235.4	236.5	236.5	233.4
177.5°	239.5	236.5	236.5	235.4	230.3
180°	235.4	235.4	235.4	235.4	235.4

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