

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: P234576

Luminaire Tested: **CTA-F-2575-40L840-UNV-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234576  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-12)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTA-F-2575-40L840-UNV-8  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
4000 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: 8341.1 lumens  
Efficiency: N/A  
Efficacy: 112.7 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

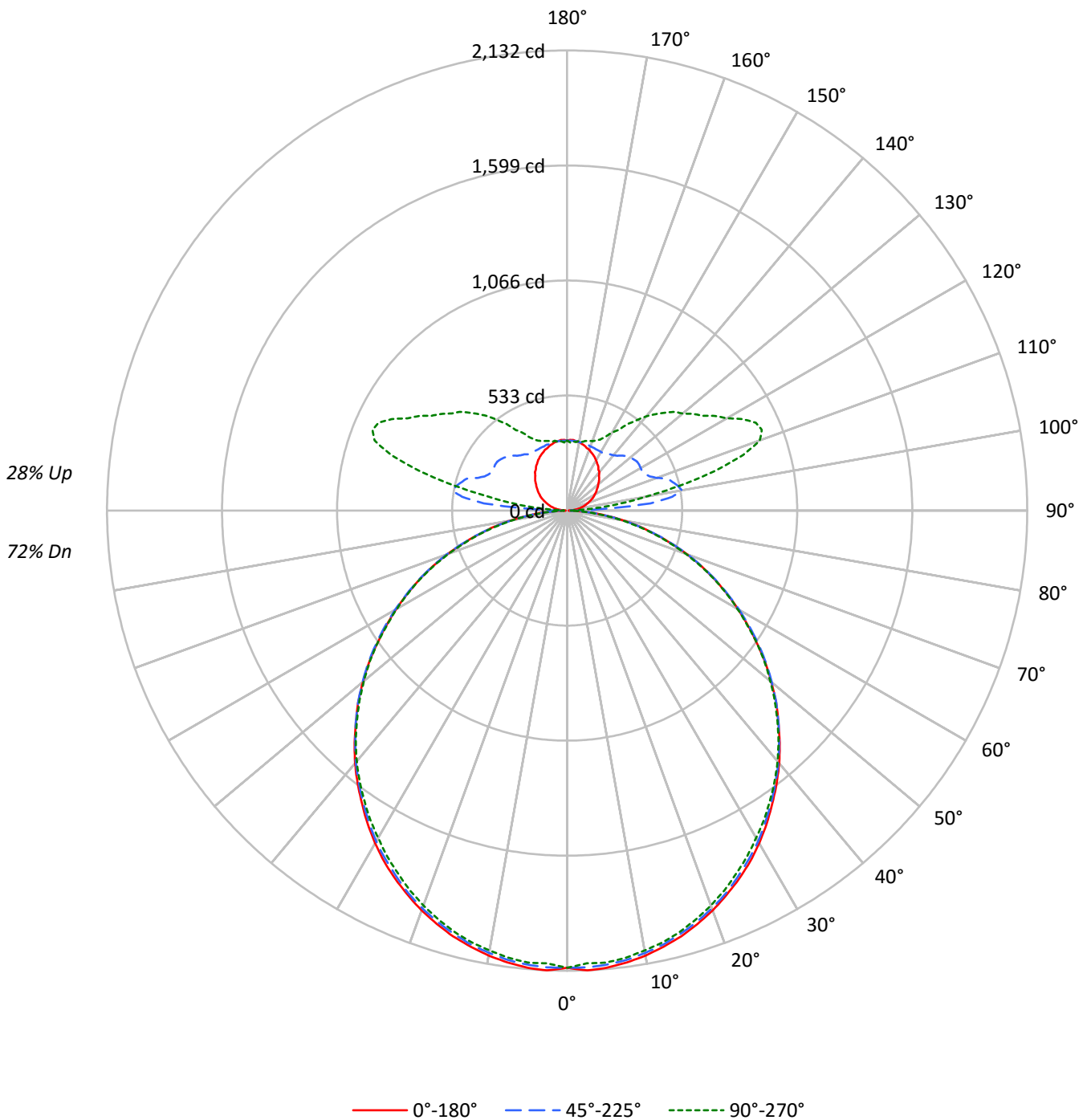
Input Watts (W): 74  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	112	112	112	107	107	107	107	96	96	96		86	86	86		76	76	76	72
1	102	98	94	90	97	93	89	86	83	81	78		75	73	71		67	65	64	60
2	93	85	79	73	88	81	75	70	73	68	64		65	62	59		59	56	53	50
3	85	75	67	61	80	71	64	58	64	58	54		58	53	49		52	48	45	42
4	77	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	36		41	37	34	31
6	66	53	44	38	62	50	42	37	46	39	34		42	36	32		38	33	29	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	41	34	29	38	31	27		35	29	25		31	27	23	21
9	53	40	32	26	50	38	31	26	35	29	24		32	26	23		29	24	21	19
10	49	36	29	24	47	35	28	23	32	26	22		29	24	20		27	22	19	17

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

	0°	45°	90°
0°	6839	6839	6839
5°	6891	6845	6812
10°	6864	6824	6784
15°	6828	6787	6753
20°	6773	6738	6689
25°	6710	6667	6609
30°	6635	6597	6528
35°	6533	6500	6460
40°	6444	6418	6393
45°	6320	6320	6292
50°	6205	6215	6175
55°	6048	6093	6048
60°	5911	5950	5884
65°	5762	5794	5732
70°	5581	5619	5504
75°	5265	5315	5187
80°	4965	4890	4738
85°	4305	4231	3775



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.3	2.4
10°-20°	572.0	6.9
20°-30°	860.5	10.3
30°-40°	1030.1	12.3
40°-50°	1065.4	12.8
50°-60°	963.5	11.6
60°-70°	746.3	8.9
70°-80°	447.3	5.4
80°-90°	130.8	1.6
90°-100°	191.5	2.3
100°-110°	473.7	5.7
110°-120°	481.8	5.8
120°-130°	386.5	4.6
130°-140°	304.0	3.6
140°-150°	217.7	2.6
150°-160°	148.1	1.8
160°-170°	90.7	1.1
170°-180°	30.9	0.4
0°-30°	1632.9	19.6
0°-40°	2662.9	31.9
0°-60°	4691.8	56.2
0°-90°	6016.2	72.1
90°-120°	1147.0	13.8
90°-150°	2055.2	24.6
90°-180°	2325.0	27.9
0°-180°	8341.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2118	2118	2118	2118	2118	
5°	2126	2106	2112	2106	2102	202
15°	2042	2024	2030	2028	2020	576
25°	1884	1865	1871	1861	1855	868
35°	1657	1645	1649	1641	1639	1038
45°	1384	1378	1384	1380	1378	1069
55°	1074	1076	1082	1076	1074	962
65°	754	756	758	750	750	746
75°	422	428	426	418	416	449
85°	116	118	114	106	102	126
90°	8	16	16	16	14	12
95°	28	84	387	194	130	30
105°	80	141	508	809	705	84
115°	126	184	400	820	964	125
125°	167	200	396	654	766	151
135°	210	228	361	556	642	162
145°	251	261	318	430	489	156
155°	285	287	314	346	363	131
165°	312	310	318	330	334	88
175°	328	324	324	324	322	31
180°	324	324	324	324	324	



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CATALOG NUMBER: CTA-F-2575-40L840-UNV-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2118.0	2118.0	2118.0	2118.0	2118.0
2.5°	2132.2	2111.8	2118.0	2113.9	2099.6
5°	2126.1	2105.7	2111.8	2105.7	2101.7
7.5°	2111.8	2093.5	2099.6	2093.5	2089.4
10°	2093.5	2073.1	2081.3	2075.2	2069.0
12.5°	2069.0	2050.7	2058.8	2052.7	2048.7
15°	2042.5	2024.2	2030.3	2028.3	2020.1
17.5°	2007.9	1991.6	1997.7	1995.7	1985.5
20°	1971.2	1952.8	1961.0	1954.9	1946.7
22.5°	1928.4	1910.0	1920.2	1910.0	1903.9
25°	1883.5	1865.2	1871.3	1861.1	1855.0
27.5°	1834.6	1816.3	1822.4	1812.2	1806.1
30°	1779.6	1763.3	1769.4	1757.2	1751.0
32.5°	1720.5	1706.2	1710.3	1700.1	1698.0
35°	1657.3	1645.0	1649.1	1641.0	1638.9
37.5°	1594.1	1581.8	1585.9	1579.8	1579.8
40°	1528.8	1516.6	1522.7	1518.7	1516.6
42.5°	1457.5	1449.3	1453.4	1451.4	1449.3
45°	1384.1	1378.0	1384.1	1380.0	1378.0
47.5°	1312.8	1304.6	1312.8	1308.7	1304.6
50°	1235.3	1231.2	1237.3	1233.3	1229.2
52.5°	1157.8	1153.8	1161.9	1157.8	1153.8
55°	1074.3	1076.3	1082.4	1076.3	1074.3
57.5°	994.8	996.8	1002.9	998.8	990.7
60°	915.3	917.3	921.4	917.3	911.2
62.5°	833.7	835.8	837.8	833.7	831.7
65°	754.2	756.3	758.3	750.2	750.2
67.5°	672.7	676.8	674.7	668.6	666.6
70°	591.2	593.2	595.2	587.1	583.0
72.5°	503.5	511.7	507.6	499.4	497.4
75°	422.0	428.1	426.0	417.9	415.8
77.5°	346.5	346.5	342.5	338.4	334.3
80°	267.0	267.0	263.0	258.9	254.8
82.5°	189.6	191.6	187.5	181.4	177.3
85°	116.2	118.2	114.2	106.0	101.9
87.5°	48.9	51.0	44.8	38.7	36.7
90°	8.2	16.3	16.3	16.3	14.3
92.5°	20.4	57.1	157.0	55.0	40.8
95°	28.5	83.6	387.3	193.7	130.5
97.5°	42.8	99.9	491.3	328.2	250.7
100°	57.1	124.3	540.2	472.9	369.0
102.5°	69.3	136.6	525.9	656.4	534.1
105°	79.5	140.7	507.6	809.3	705.3
107.5°	91.7	148.8	489.2	896.9	854.1
110°	101.9	163.1	442.3	911.2	949.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	114.2	173.3	413.8	880.6	976.4
115°	126.4	183.5	399.5	819.5	964.2
117.5°	138.6	187.5	391.4	768.5	917.3
120°	146.8	191.6	393.4	719.6	854.1
122.5°	159.0	193.7	395.5	684.9	815.4
125°	167.2	199.8	395.5	654.3	766.5
127.5°	179.4	203.8	389.3	631.9	735.9
130°	187.5	210.0	381.2	611.5	699.2
132.5°	199.8	218.1	373.0	587.1	676.8
135°	210.0	228.3	360.8	556.5	642.1
137.5°	218.1	236.5	344.5	528.0	605.4
140°	232.4	244.6	334.3	495.3	570.8
142.5°	238.5	252.8	328.2	462.7	525.9
145°	250.7	260.9	318.0	430.1	489.2
147.5°	258.9	269.1	313.9	399.5	442.3
150°	269.1	275.2	313.9	379.2	417.9
152.5°	277.2	283.3	313.9	354.7	385.3
155°	285.4	287.4	313.9	346.5	362.8
157.5°	291.5	293.5	316.0	338.4	350.6
160°	299.7	299.7	316.0	336.3	342.5
162.5°	303.7	303.7	320.0	332.3	338.4
165°	311.9	309.8	318.0	330.2	334.3
167.5°	316.0	313.9	322.1	328.2	326.2
170°	322.1	318.0	322.1	326.2	328.2
172.5°	324.1	320.0	324.1	326.2	320.0
175°	328.2	324.1	324.1	324.1	322.1
177.5°	328.2	324.1	324.1	324.1	316.0
180°	324.1	324.1	324.1	324.1	324.1

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