

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: P234643

Luminaire Tested: **CTA-F-7525-30L840-UNV-12**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234643  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTA-F-7525-30L840-UNV-12  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
3000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT  
Light Source: (1008) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9310.4 lumens  
Efficiency: N/A  
Efficacy: 133.2 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.38  
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')  
CIE Type: Semi-Indirect

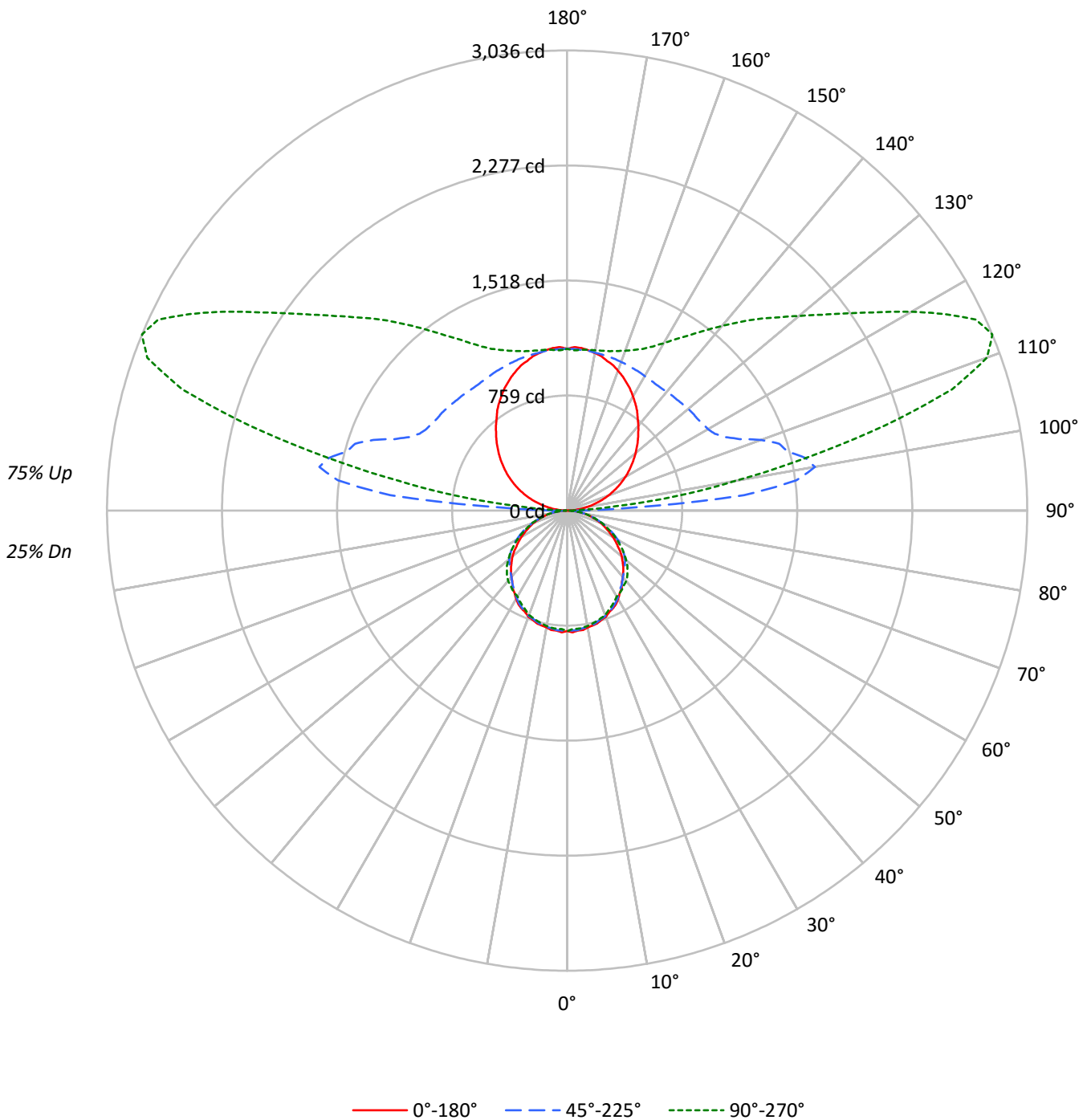
Input Watts (W): 69.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	25
1	92	88	84	81	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	39	36	35	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	39	34	31	29	22	21	19	14
4	69	59	51	46	62	53	46	41	41	36	33	30	27	25	20	18	17	12
5	64	52	44	39	56	47	40	35	36	32	28	27	24	21	18	16	14	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	29	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

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

	0°	45°	90°
0°	1711	1711	1711
5°	1718	1711	1692
10°	1711	1704	1691
15°	1717	1697	1683
20°	1709	1695	1681
25°	1692	1678	1649
30°	1672	1657	1626
35°	1647	1623	1663
40°	1607	1607	1701
45°	1592	1638	1713
50°	1577	1669	1700
55°	1526	1675	1664
60°	1501	1659	1619
65°	1464	1620	1573
70°	1463	1559	1559
75°	1424	1500	1500
80°	1402	1440	1440
85°	1284	1435	1284



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.9	0.8
10°-20°	214.4	2.3
20°-30°	323.8	3.5
30°-40°	389.2	4.2
40°-50°	415.4	4.5
50°-60°	386.2	4.1
60°-70°	305.1	3.3
70°-80°	190.3	2.0
80°-90°	62.4	0.7
90°-100°	538.5	5.8
100°-110°	1428.3	15.3
110°-120°	1440.8	15.5
120°-130°	1113.7	12.0
130°-140°	876.4	9.4
140°-150°	669.2	7.2
150°-160°	482.0	5.2
160°-170°	298.0	3.2
170°-180°	101.5	1.1
0°-30°	613.2	6.6
0°-40°	1002.4	10.8
0°-60°	1804.1	19.4
0°-90°	2361.9	25.4
90°-120°	3407.7	36.6
90°-150°	6067.0	65.2
90°-180°	6948.0	74.6
0°-180°	9310.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	795	795	795	795	795	
5°	795	789	792	786	783	76
15°	770	758	761	755	755	217
25°	712	703	706	697	694	328
35°	627	615	618	624	633	389
45°	523	517	538	556	563	403
55°	407	410	446	443	443	366
65°	287	306	318	312	309	286
75°	171	184	180	180	180	182
85°	52	55	58	55	52	56
90°	3	6	6	6	6	9
95°	58	199	1171	483	321	64
105°	208	361	1504	2516	2174	221
115°	367	462	1147	2550	2978	362
125°	517	596	1052	1893	2269	462
135°	660	722	1030	1544	1789	509
145°	804	841	1018	1281	1413	502
155°	930	942	1034	1128	1177	428
165°	1021	1021	1052	1079	1088	289
175°	1076	1061	1064	1064	1064	102
180°	1067	1067	1067	1067	1067	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	795.0	795.0	795.0	795.0	795.0
2.5°	804.2	788.9	791.9	788.9	782.8
5°	795.0	788.9	791.9	785.8	782.8
7.5°	795.0	785.8	782.8	779.7	779.7
10°	782.8	776.7	779.7	773.6	773.6
12.5°	776.7	767.5	773.6	767.5	764.4
15°	770.5	758.3	761.4	755.2	755.2
17.5°	755.2	749.1	749.1	743.0	743.0
20°	746.1	740.0	740.0	730.8	733.8
22.5°	724.7	721.6	724.7	712.4	712.4
25°	712.4	703.3	706.3	697.2	694.1
27.5°	697.2	684.9	688.0	678.8	675.7
30°	672.7	666.6	666.6	657.4	654.3
32.5°	645.2	639.1	639.1	632.9	645.2
35°	626.8	614.6	617.7	623.8	632.9
37.5°	593.2	593.2	596.2	611.5	617.7
40°	571.8	571.8	571.8	593.2	605.4
42.5°	547.3	544.3	553.4	577.9	587.1
45°	522.9	516.7	538.2	556.5	562.6
47.5°	495.3	492.3	516.7	535.1	538.2
50°	470.9	467.8	498.4	507.6	507.6
52.5°	440.3	440.3	473.9	477.0	477.0
55°	406.7	409.7	446.4	443.4	443.4
57.5°	379.2	382.2	418.9	412.8	409.7
60°	348.6	357.7	385.3	379.2	376.1
62.5°	318.0	330.2	351.6	345.5	345.5
65°	287.4	305.8	318.0	311.9	308.8
67.5°	259.9	278.2	281.3	278.2	275.2
70°	232.4	247.7	247.7	244.6	247.7
72.5°	201.8	217.1	214.0	214.0	214.0
75°	171.2	183.5	180.4	180.4	180.4
77.5°	143.7	149.8	149.8	146.8	146.8
80°	113.1	116.2	116.2	116.2	116.2
82.5°	82.6	85.6	85.6	85.6	82.6
85°	52.0	55.0	58.1	55.0	52.0
87.5°	27.5	30.6	30.6	27.5	24.5
90°	3.1	6.1	6.1	6.1	6.1
92.5°	30.6	122.3	415.8	97.8	70.3
95°	58.1	198.7	1171.1	483.1	321.1
97.5°	94.8	244.6	1525.8	969.3	721.6
100°	131.5	318.0	1660.3	1452.4	1128.3
102.5°	171.2	354.7	1608.3	2012.0	1623.6
105°	207.9	360.8	1504.4	2516.5	2174.0
107.5°	247.7	366.9	1467.7	2770.3	2663.2
110°	287.4	391.4	1360.7	2828.4	2947.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	327.2	425.0	1232.2	2733.6	3036.3
115°	366.9	461.7	1146.6	2550.1	2978.2
117.5°	403.6	495.3	1097.7	2345.2	2807.0
120°	443.4	532.0	1073.2	2167.9	2623.5
122.5°	480.1	565.7	1061.0	2015.0	2433.9
125°	516.7	596.2	1051.8	1892.7	2268.8
127.5°	553.4	626.8	1048.8	1791.8	2122.0
130°	590.1	657.4	1042.7	1703.1	1996.7
132.5°	623.8	691.0	1036.6	1620.6	1886.6
135°	660.5	721.6	1030.4	1544.1	1788.7
137.5°	694.1	749.1	1027.4	1467.7	1687.8
140°	730.8	782.8	1021.3	1397.4	1590.0
142.5°	764.4	816.4	1018.2	1336.2	1498.3
145°	804.2	840.9	1018.2	1281.2	1412.7
147.5°	837.8	868.4	1021.3	1229.2	1342.3
150°	868.4	895.9	1024.3	1186.4	1275.1
152.5°	902.0	917.3	1030.4	1152.7	1220.0
155°	929.5	941.8	1033.5	1128.3	1177.2
157.5°	957.1	966.2	1039.6	1109.9	1146.6
160°	981.5	984.6	1042.7	1094.7	1122.2
162.5°	1006.0	1002.9	1048.8	1088.5	1103.8
165°	1021.3	1021.3	1051.8	1079.4	1088.5
167.5°	1042.7	1033.5	1054.9	1073.2	1079.4
170°	1054.9	1045.7	1058.0	1070.2	1073.2
172.5°	1067.1	1054.9	1064.1	1067.1	1070.2
175°	1076.3	1061.0	1064.1	1064.1	1064.1
177.5°	1079.4	1067.1	1067.1	1064.1	1058.0
180°	1067.1	1067.1	1067.1	1067.1	1067.1

(END OF REPORT)