

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: P234665

Luminaire Tested: **CTA-F-7525-60L830-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-4)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-7525-60L830-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT
Light Source: (1008) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17459.6 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')
CIE Type: Semi-Indirect

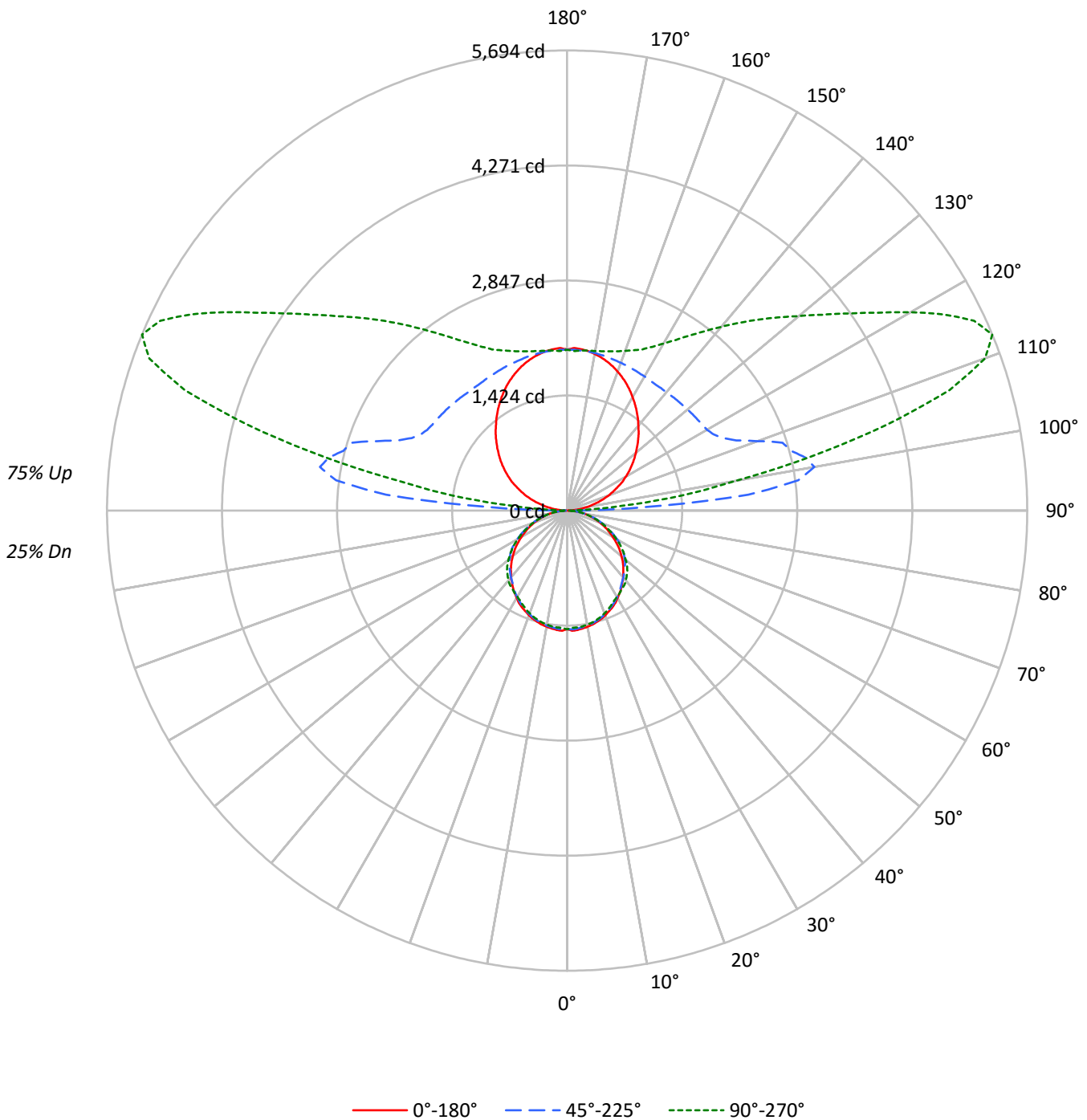
Input Watts (W): 130.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P234665

CATALOG NUMBER: CTA-F-7525-60L830-UNV-12

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	33	33	33	25
1	92	88	84	81	82	78	75	72	60	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	39	36	34	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	10
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	38	31	26	29	25	21	22	18	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	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3161	3161	3161
5°	3204	3166	3135
10°	3190	3159	3134
15°	3176	3144	3124
20°	3159	3126	3099
25°	3138	3097	3069
30°	3105	3076	3062
35°	3070	3040	3108
40°	3031	3040	3178
45°	2995	3065	3205
50°	2946	3120	3169
55°	2891	3139	3118
60°	2807	3080	3018
65°	2762	2983	2938
70°	2705	2905	2850
75°	2663	2807	2735
80°	2575	2717	2611
85°	2423	2635	2495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.1	0.8
10°-20°	398.0	2.3
20°-30°	601.0	3.4
30°-40°	730.0	4.2
40°-50°	779.4	4.5
50°-60°	722.5	4.1
60°-70°	566.1	3.2
70°-80°	353.0	2.0
80°-90°	118.4	0.7
90°-100°	1057.3	6.1
100°-110°	2678.7	15.3
110°-120°	2691.5	15.4
120°-130°	2086.9	12.0
130°-140°	1641.0	9.4
140°-150°	1250.5	7.2
150°-160°	900.2	5.2
160°-170°	556.4	3.2
170°-180°	189.5	1.1
0°-30°	1138.2	6.5
0°-40°	1868.2	10.7
0°-60°	3370.1	19.3
0°-90°	4407.7	25.2
90°-120°	6427.5	36.8
90°-150°	11405.8	65.3
90°-180°	13052.0	74.8
0°-180°	17459.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1468	1468	1468	1468	1468	
5°	1483	1465	1465	1460	1451	141
15°	1425	1411	1411	1408	1402	402
25°	1321	1307	1304	1298	1292	609
35°	1168	1154	1157	1174	1183	730
45°	984	975	1007	1044	1053	758
55°	770	770	836	831	831	687
65°	542	565	586	577	577	537
75°	320	340	338	335	329	337
85°	98	110	107	107	101	104
90°	9	12	14	12	9	17
95°	112	389	2253	1062	686	120
105°	392	649	2864	4664	4088	414
115°	689	871	2123	4768	5556	684
125°	978	1125	1967	3545	4252	874
135°	1243	1359	1927	2885	3340	960
145°	1500	1572	1904	2386	2642	938
155°	1734	1760	1930	2106	2201	798
165°	1910	1904	1964	2016	2039	538
175°	2005	1982	1988	1988	1988	190
180°	1990	1990	1990	1990	1990	



TEST NUMBER: P234665

CATALOG NUMBER: CTA-F-7525-60L830-UNV-12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1468.3	1468.3	1468.3	1468.3	1468.3
2.5°	1488.5	1471.2	1471.2	1465.4	1451.0
5°	1482.7	1465.4	1465.4	1459.6	1451.0
7.5°	1471.2	1456.7	1456.7	1453.8	1445.2
10°	1459.6	1445.2	1445.2	1439.4	1433.7
12.5°	1445.2	1427.9	1430.8	1425.0	1419.2
15°	1425.0	1410.6	1410.6	1407.7	1401.9
17.5°	1404.8	1387.5	1390.4	1387.5	1378.8
20°	1378.8	1364.4	1364.4	1358.7	1352.9
22.5°	1350.0	1335.6	1335.6	1329.8	1324.0
25°	1321.2	1306.7	1303.8	1298.1	1292.3
27.5°	1289.4	1272.1	1272.1	1266.3	1257.7
30°	1249.0	1237.5	1237.5	1228.8	1231.7
32.5°	1208.7	1197.1	1200.0	1200.0	1208.7
35°	1168.3	1153.8	1156.7	1174.0	1182.7
37.5°	1122.1	1110.6	1116.3	1145.2	1162.5
40°	1078.8	1067.3	1081.7	1119.2	1130.8
42.5°	1029.8	1024.0	1044.2	1081.7	1090.4
45°	983.7	975.0	1006.7	1044.2	1052.9
47.5°	931.7	926.0	972.1	998.1	1003.8
50°	879.8	876.9	931.7	949.0	946.2
52.5°	825.0	825.0	885.6	891.3	891.3
55°	770.2	770.2	836.5	830.8	830.8
57.5°	709.6	718.3	781.7	770.2	770.2
60°	651.9	660.6	715.4	701.0	701.0
62.5°	597.1	614.4	649.0	640.4	640.4
65°	542.3	565.4	585.6	576.9	576.9
67.5°	487.5	513.5	522.1	516.3	516.3
70°	429.8	458.7	461.5	455.8	452.9
72.5°	377.9	401.0	398.1	395.2	392.3
75°	320.2	340.4	337.5	334.6	328.8
77.5°	262.5	279.8	276.9	274.0	268.3
80°	207.7	219.2	219.2	216.3	210.6
82.5°	155.8	161.5	161.5	158.7	155.8
85°	98.1	109.6	106.7	106.7	101.0
87.5°	49.0	60.6	57.7	57.7	49.0
90°	8.7	11.5	14.4	11.5	8.7
92.5°	57.7	251.0	937.5	222.1	150.0
95°	112.5	389.4	2252.9	1061.5	686.5
97.5°	176.0	467.3	2884.6	1901.0	1436.5
100°	245.2	608.7	3106.7	2795.2	2108.7
102.5°	317.3	640.4	3020.2	3833.7	3089.4
105°	392.3	649.0	2864.4	4664.4	4087.5
107.5°	467.3	660.6	2795.2	5166.3	4961.5
110°	542.3	724.0	2509.6	5293.3	5503.8



TEST NUMBER: P234665

CATALOG NUMBER: CTA-F-7525-60L830-UNV-12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	617.3	801.9	2264.4	5114.4	5694.2
115°	689.4	871.2	2123.1	4768.3	5555.8
117.5°	767.3	937.5	2042.3	4387.5	5255.8
120°	839.4	1001.0	1999.0	4055.8	4906.7
122.5°	908.7	1064.4	1978.8	3778.8	4554.8
125°	977.9	1125.0	1967.3	3545.2	4251.9
127.5°	1044.2	1182.7	1955.8	3354.8	3980.8
130°	1110.6	1240.4	1947.1	3181.7	3744.2
132.5°	1176.9	1301.0	1935.6	3026.0	3536.5
135°	1243.3	1358.7	1926.9	2884.6	3340.4
137.5°	1309.6	1416.3	1918.3	2746.2	3150.0
140°	1370.2	1468.3	1909.6	2610.6	2968.3
142.5°	1436.5	1523.1	1909.6	2495.2	2798.1
145°	1500.0	1572.1	1903.8	2385.6	2642.3
147.5°	1560.6	1621.2	1909.6	2296.2	2503.8
150°	1621.2	1670.2	1915.4	2221.2	2385.6
152.5°	1678.8	1716.3	1921.2	2154.8	2284.6
155°	1733.7	1759.6	1929.8	2105.8	2201.0
157.5°	1782.7	1800.0	1938.5	2074.0	2146.2
160°	1828.8	1840.4	1944.2	2048.1	2102.9
162.5°	1872.1	1875.0	1952.9	2030.8	2065.4
165°	1909.6	1903.8	1964.4	2016.3	2039.4
167.5°	1941.3	1932.7	1970.2	2001.9	2019.2
170°	1967.3	1955.8	1978.8	1996.2	2004.8
172.5°	1990.4	1970.2	1984.6	1990.4	1996.2
175°	2004.8	1981.7	1987.5	1987.5	1987.5
177.5°	2013.5	1990.4	1990.4	1990.4	1976.0
180°	1990.4	1990.4	1990.4	1990.4	1990.4

(END OF REPORT)