

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: P234667

Luminaire Tested: **CTA-F-7525-60L840-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234667
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-7525-60L840-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 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: 18507.2 lumens
Efficiency: N/A
Efficacy: 141.6 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

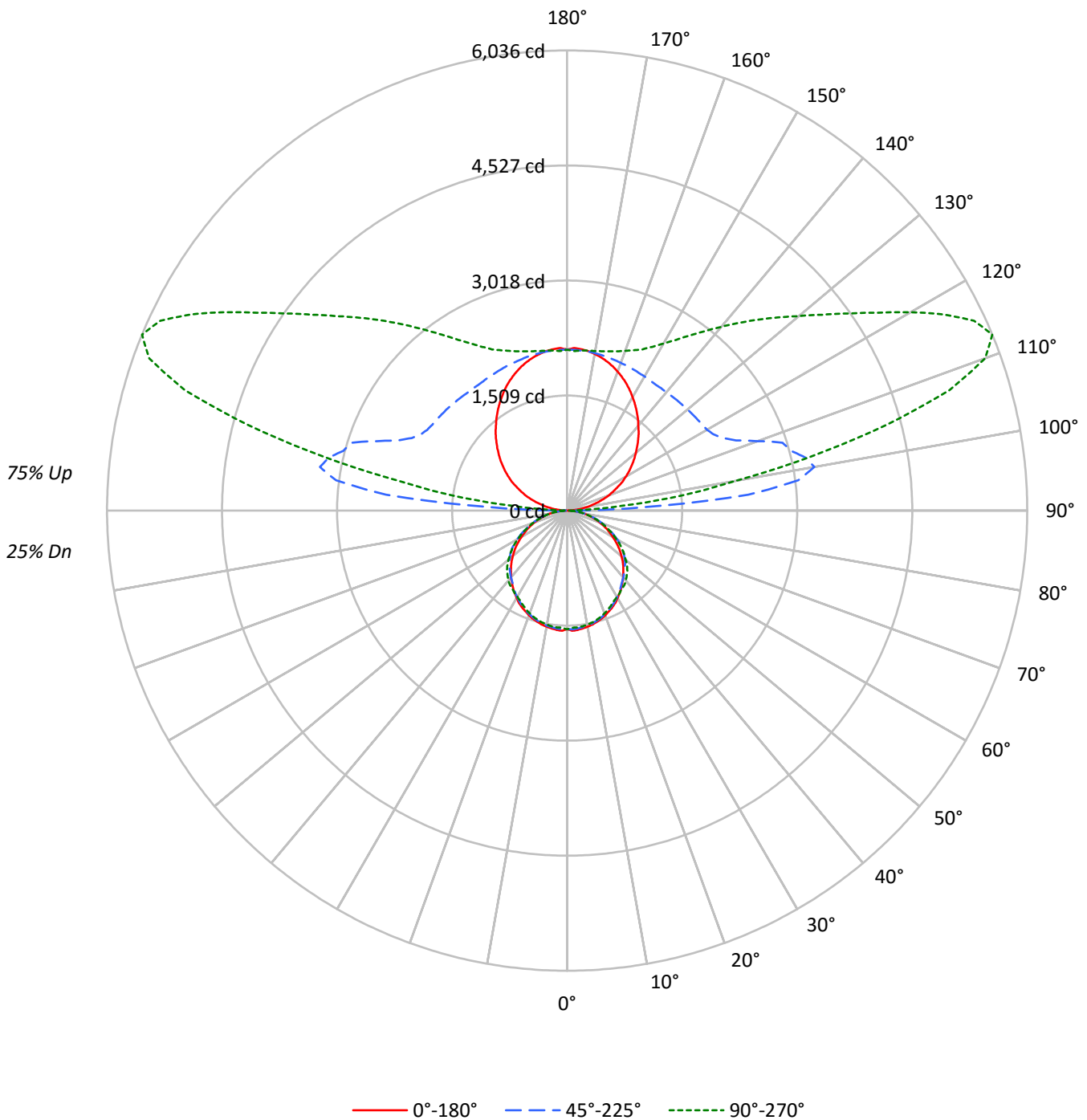
Input Watts (W): 130.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3350	3350	3350
5°	3396	3356	3323
10°	3382	3348	3322
15°	3366	3332	3312
20°	3348	3313	3285
25°	3326	3283	3253
30°	3291	3261	3245
35°	3254	3222	3295
40°	3214	3222	3368
45°	3174	3249	3398
50°	3123	3307	3359
55°	3064	3328	3305
60°	2975	3265	3199
65°	2928	3162	3115
70°	2867	3079	3022
75°	2823	2976	2899
80°	2730	2881	2767
85°	2569	2793	2643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.5	0.8
10°-20°	421.9	2.3
20°-30°	637.1	3.4
30°-40°	773.9	4.2
40°-50°	826.1	4.5
50°-60°	765.9	4.1
60°-70°	600.1	3.2
70°-80°	374.2	2.0
80°-90°	125.5	0.7
90°-100°	1120.7	6.1
100°-110°	2839.4	15.3
110°-120°	2853.0	15.4
120°-130°	2212.1	12.0
130°-140°	1739.5	9.4
140°-150°	1325.5	7.2
150°-160°	954.2	5.2
160°-170°	589.8	3.2
170°-180°	200.9	1.1
0°-30°	1206.5	6.5
0°-40°	1980.3	10.7
0°-60°	3572.4	19.3
0°-90°	4672.1	25.2
90°-120°	6813.1	36.8
90°-150°	12090.1	65.3
90°-180°	13835.0	74.8
0°-180°	18507.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1556	1556	1556	1556	1556	
5°	1572	1553	1553	1547	1538	149
15°	1510	1495	1495	1492	1486	427
25°	1400	1385	1382	1376	1370	645
35°	1238	1223	1226	1244	1254	774
45°	1043	1034	1067	1107	1116	803
55°	816	816	887	881	881	728
65°	575	599	621	612	612	569
75°	339	361	358	355	349	358
85°	104	116	113	113	107	110
90°	9	12	15	12	9	18
95°	119	413	2388	1125	728	127
105°	416	688	3036	4944	4333	439
115°	731	923	2250	5054	5889	725
125°	1037	1192	2085	3758	4507	926
135°	1318	1440	2042	3058	3541	1017
145°	1590	1666	2018	2529	2801	994
155°	1838	1865	2046	2232	2333	846
165°	2024	2018	2082	2137	2162	570
175°	2125	2101	2107	2107	2107	202
180°	2110	2110	2110	2110	2110	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1556.4	1556.4	1556.4	1556.4	1556.4
2.5°	1577.8	1559.4	1559.4	1553.3	1538.0
5°	1571.7	1553.3	1553.3	1547.2	1538.0
7.5°	1559.4	1544.1	1544.1	1541.1	1531.9
10°	1547.2	1531.9	1531.9	1525.8	1519.7
12.5°	1531.9	1513.6	1516.6	1510.5	1504.4
15°	1510.5	1495.2	1495.2	1492.2	1486.0
17.5°	1489.1	1470.8	1473.8	1470.8	1461.6
20°	1461.6	1446.3	1446.3	1440.2	1434.1
22.5°	1431.0	1415.7	1415.7	1409.6	1403.5
25°	1400.4	1385.1	1382.1	1376.0	1369.8
27.5°	1366.8	1348.4	1348.4	1342.3	1333.2
30°	1324.0	1311.8	1311.8	1302.6	1305.6
32.5°	1281.2	1268.9	1272.0	1272.0	1281.2
35°	1238.4	1223.1	1226.1	1244.5	1253.7
37.5°	1189.4	1177.2	1183.3	1213.9	1232.3
40°	1143.6	1131.3	1146.6	1186.4	1198.6
42.5°	1091.6	1085.5	1106.9	1146.6	1155.8
45°	1042.7	1033.5	1067.1	1106.9	1116.1
47.5°	987.6	981.5	1030.4	1058.0	1064.1
50°	932.6	929.5	987.6	1006.0	1002.9
52.5°	874.5	874.5	938.7	944.8	944.8
55°	816.4	816.4	886.7	880.6	880.6
57.5°	752.2	761.4	828.6	816.4	816.4
60°	691.0	700.2	758.3	743.0	743.0
62.5°	632.9	651.3	688.0	678.8	678.8
65°	574.8	599.3	620.7	611.5	611.5
67.5°	516.8	544.3	553.4	547.3	547.3
70°	455.6	486.2	489.2	483.1	480.1
72.5°	400.6	425.0	422.0	418.9	415.8
75°	339.4	360.8	357.8	354.7	348.6
77.5°	278.3	296.6	293.5	290.5	284.4
80°	220.2	232.4	232.4	229.3	223.2
82.5°	165.1	171.2	171.2	168.2	165.1
85°	104.0	116.2	113.1	113.1	107.0
87.5°	52.0	64.2	61.2	61.2	52.0
90°	9.2	12.2	15.3	12.2	9.2
92.5°	61.2	266.0	993.8	235.4	159.0
95°	119.3	412.8	2388.1	1125.2	727.7
97.5°	186.5	495.3	3057.7	2015.0	1522.7
100°	259.9	645.2	3293.1	2962.9	2235.2
102.5°	336.3	678.8	3201.4	4063.7	3274.8
105°	415.8	688.0	3036.3	4944.3	4332.8
107.5°	495.3	700.2	2962.9	5476.3	5259.2
110°	574.8	767.5	2660.2	5610.9	5834.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	654.3	850.0	2400.3	5421.3	6035.9
115°	730.8	923.4	2250.5	5054.4	5889.1
117.5°	813.3	993.8	2164.8	4650.8	5571.1
120°	889.8	1061.0	2119.0	4299.1	5201.1
122.5°	963.2	1128.3	2097.6	4005.6	4828.1
125°	1036.6	1192.5	2085.3	3757.9	4507.0
127.5°	1106.9	1253.7	2073.1	3556.1	4219.6
130°	1177.2	1314.8	2063.9	3372.6	3968.9
132.5°	1247.5	1379.0	2051.7	3207.5	3748.7
135°	1317.9	1440.2	2042.5	3057.7	3540.8
137.5°	1388.2	1501.3	2033.4	2910.9	3339.0
140°	1452.4	1556.4	2024.2	2767.2	3146.4
142.5°	1522.7	1614.5	2024.2	2644.9	2966.0
145°	1590.0	1666.4	2018.1	2528.7	2800.8
147.5°	1654.2	1718.4	2024.2	2433.9	2654.1
150°	1718.4	1770.4	2030.3	2354.4	2528.7
152.5°	1779.6	1819.3	2036.4	2284.1	2421.7
155°	1837.7	1865.2	2045.6	2232.1	2333.0
157.5°	1889.7	1908.0	2054.8	2198.5	2274.9
160°	1938.6	1950.8	2060.9	2171.0	2229.1
162.5°	1984.4	1987.5	2070.1	2152.6	2189.3
165°	2024.2	2018.1	2082.3	2137.3	2161.8
167.5°	2057.8	2048.7	2088.4	2122.0	2140.4
170°	2085.3	2073.1	2097.6	2115.9	2125.1
172.5°	2109.8	2088.4	2103.7	2109.8	2115.9
175°	2125.1	2100.6	2106.8	2106.8	2106.8
177.5°	2134.3	2109.8	2109.8	2109.8	2094.5
180°	2109.8	2109.8	2109.8	2109.8	2109.8

(END OF REPORT)