

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: P234662

Luminaire Tested: **CTA-F-7525-60L830-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234662
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-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT
Light Source: (672) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11639.8 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')
CIE Type: Semi-Indirect

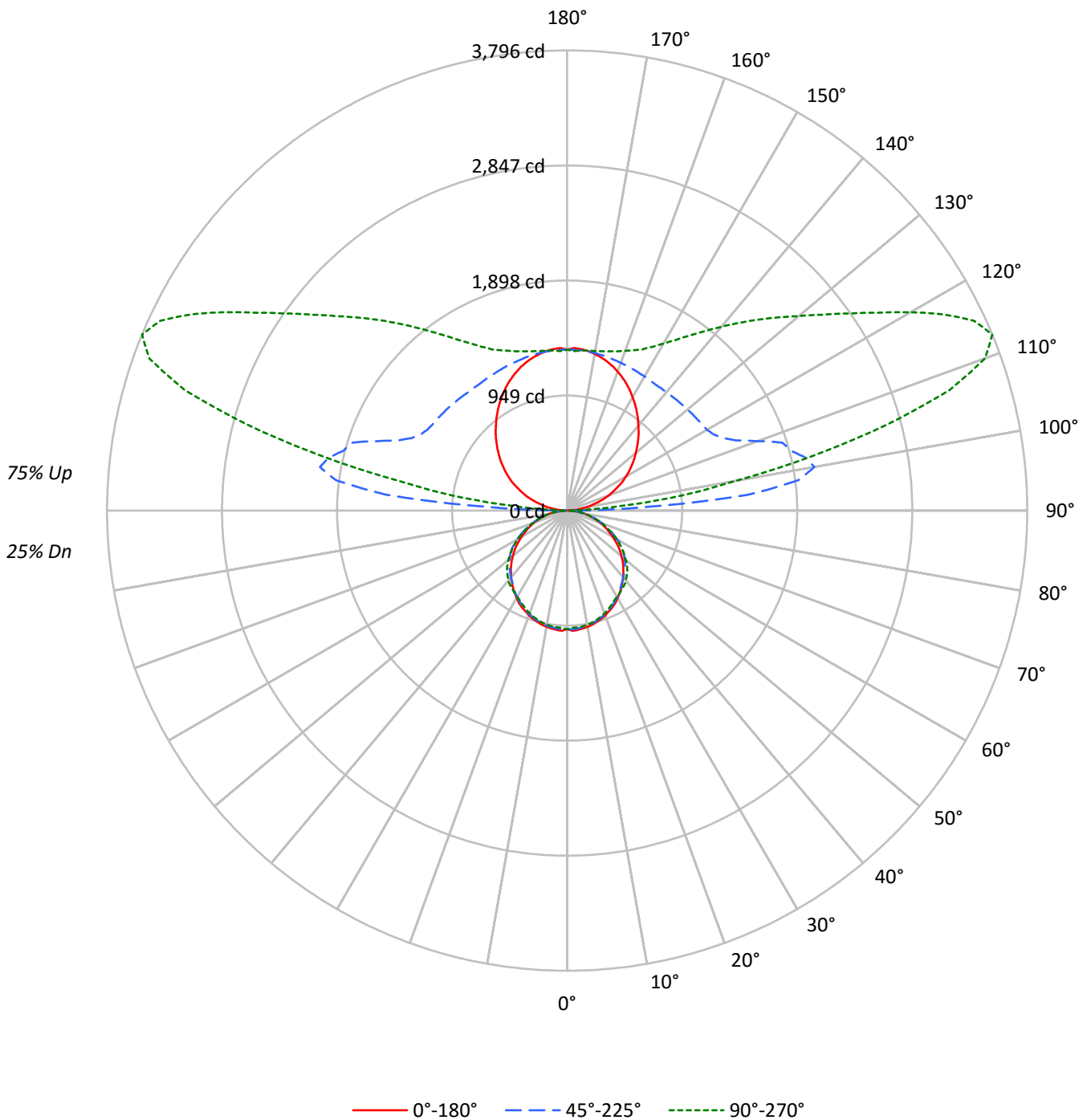
Input Watts (W): 88
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3160	3160	3160
5°	3204	3166	3135
10°	3191	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	3177
45°	2995	3065	3205
50°	2946	3120	3169
55°	2891	3140	3118
60°	2807	3080	3018
65°	2762	2983	2938
70°	2705	2905	2850
75°	2664	2807	2735
80°	2575	2719	2611
85°	2423	2638	2493



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	0.8
10°-20°	265.3	2.3
20°-30°	400.7	3.4
30°-40°	486.7	4.2
40°-50°	519.6	4.5
50°-60°	481.7	4.1
60°-70°	377.4	3.2
70°-80°	235.3	2.0
80°-90°	78.9	0.7
90°-100°	704.9	6.1
100°-110°	1785.8	15.3
110°-120°	1794.3	15.4
120°-130°	1391.2	12.0
130°-140°	1094.0	9.4
140°-150°	833.6	7.2
150°-160°	600.1	5.2
160°-170°	370.9	3.2
170°-180°	126.3	1.1
0°-30°	758.8	6.5
0°-40°	1245.5	10.7
0°-60°	2246.8	19.3
0°-90°	2938.5	25.2
90°-120°	4285.0	36.8
90°-150°	7603.9	65.3
90°-180°	8701.0	74.8
0°-180°	11639.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	979	979	979	979	979	
5°	988	977	977	973	967	94
15°	950	940	940	938	935	268
25°	881	871	869	865	862	406
35°	779	769	771	783	788	487
45°	656	650	671	696	702	505
55°	514	514	558	554	554	458
65°	362	377	390	385	385	358
75°	214	227	225	223	219	225
85°	65	73	71	71	67	69
90°	6	8	10	8	6	11
95°	75	260	1502	708	458	80
105°	262	433	1910	3110	2725	276
115°	460	581	1415	3179	3704	456
125°	652	750	1312	2364	2835	582
135°	829	906	1285	1923	2227	640
145°	1000	1048	1269	1590	1762	625
155°	1156	1173	1286	1404	1467	532
165°	1273	1269	1310	1344	1360	359
175°	1336	1321	1325	1325	1325	127
180°	1327	1327	1327	1327	1327	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.8	978.8	978.8	978.8	978.8
2.5°	992.3	980.8	980.8	976.9	967.3
5°	988.5	976.9	976.9	973.1	967.3
7.5°	980.8	971.2	971.2	969.2	963.5
10°	973.1	963.5	963.5	959.6	955.8
12.5°	963.5	951.9	953.8	950.0	946.2
15°	950.0	940.4	940.4	938.5	934.6
17.5°	936.5	925.0	926.9	925.0	919.2
20°	919.2	909.6	909.6	905.8	901.9
22.5°	900.0	890.4	890.4	886.5	882.7
25°	880.8	871.2	869.2	865.4	861.5
27.5°	859.6	848.1	848.1	844.2	838.5
30°	832.7	825.0	825.0	819.2	821.2
32.5°	805.8	798.1	800.0	800.0	805.8
35°	778.8	769.2	771.2	782.7	788.5
37.5°	748.1	740.4	744.2	763.5	775.0
40°	719.2	711.5	721.2	746.2	753.8
42.5°	686.5	682.7	696.2	721.2	726.9
45°	655.8	650.0	671.2	696.2	701.9
47.5°	621.2	617.3	648.1	665.4	669.2
50°	586.5	584.6	621.2	632.7	630.8
52.5°	550.0	550.0	590.4	594.2	594.2
55°	513.5	513.5	557.7	553.8	553.8
57.5°	473.1	478.8	521.2	513.5	513.5
60°	434.6	440.4	476.9	467.3	467.3
62.5°	398.1	409.6	432.7	426.9	426.9
65°	361.5	376.9	390.4	384.6	384.6
67.5°	325.0	342.3	348.1	344.2	344.2
70°	286.5	305.8	307.7	303.8	301.9
72.5°	251.9	267.3	265.4	263.5	261.5
75°	213.5	226.9	225.0	223.1	219.2
77.5°	175.0	186.5	184.6	182.7	178.8
80°	138.5	146.2	146.2	144.2	140.4
82.5°	103.8	107.7	107.7	105.8	103.8
85°	65.4	73.1	71.2	71.2	67.3
87.5°	32.7	40.4	38.5	38.5	32.7
90°	5.8	7.7	9.6	7.7	5.8
92.5°	38.5	167.3	625.0	148.1	100.0
95°	75.0	259.6	1501.9	707.7	457.7
97.5°	117.3	311.5	1923.1	1267.3	957.7
100°	163.5	405.8	2071.2	1863.5	1405.8
102.5°	211.5	426.9	2013.5	2555.8	2059.6
105°	261.5	432.7	1909.6	3109.6	2725.0
107.5°	311.5	440.4	1863.5	3444.2	3307.7
110°	361.5	482.7	1673.1	3528.8	3669.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	411.5	534.6	1509.6	3409.6	3796.2
115°	459.6	580.8	1415.4	3178.8	3703.8
117.5°	511.5	625.0	1361.5	2925.0	3503.8
120°	559.6	667.3	1332.7	2703.8	3271.2
122.5°	605.8	709.6	1319.2	2519.2	3036.5
125°	651.9	750.0	1311.5	2363.5	2834.6
127.5°	696.2	788.5	1303.8	2236.5	2653.8
130°	740.4	826.9	1298.1	2121.2	2496.2
132.5°	784.6	867.3	1290.4	2017.3	2357.7
135°	828.8	905.8	1284.6	1923.1	2226.9
137.5°	873.1	944.2	1278.8	1830.8	2100.0
140°	913.5	978.8	1273.1	1740.4	1978.8
142.5°	957.7	1015.4	1273.1	1663.5	1865.4
145°	1000.0	1048.1	1269.2	1590.4	1761.5
147.5°	1040.4	1080.8	1273.1	1530.8	1669.2
150°	1080.8	1113.5	1276.9	1480.8	1590.4
152.5°	1119.2	1144.2	1280.8	1436.5	1523.1
155°	1155.8	1173.1	1286.5	1403.8	1467.3
157.5°	1188.5	1200.0	1292.3	1382.7	1430.8
160°	1219.2	1226.9	1296.2	1365.4	1401.9
162.5°	1248.1	1250.0	1301.9	1353.8	1376.9
165°	1273.1	1269.2	1309.6	1344.2	1359.6
167.5°	1294.2	1288.5	1313.5	1334.6	1346.2
170°	1311.5	1303.8	1319.2	1330.8	1336.5
172.5°	1326.9	1313.5	1323.1	1326.9	1330.8
175°	1336.5	1321.2	1325.0	1325.0	1325.0
177.5°	1342.3	1326.9	1326.9	1326.9	1317.3
180°	1326.9	1326.9	1326.9	1326.9	1326.9

(END OF REPORT)