

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: P234638

Luminaire Tested: **CTA-F-7525-30L830-UNV-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234638  
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-7525-30L830-UNV-8  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
3000 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: 5855.6 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.38  
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

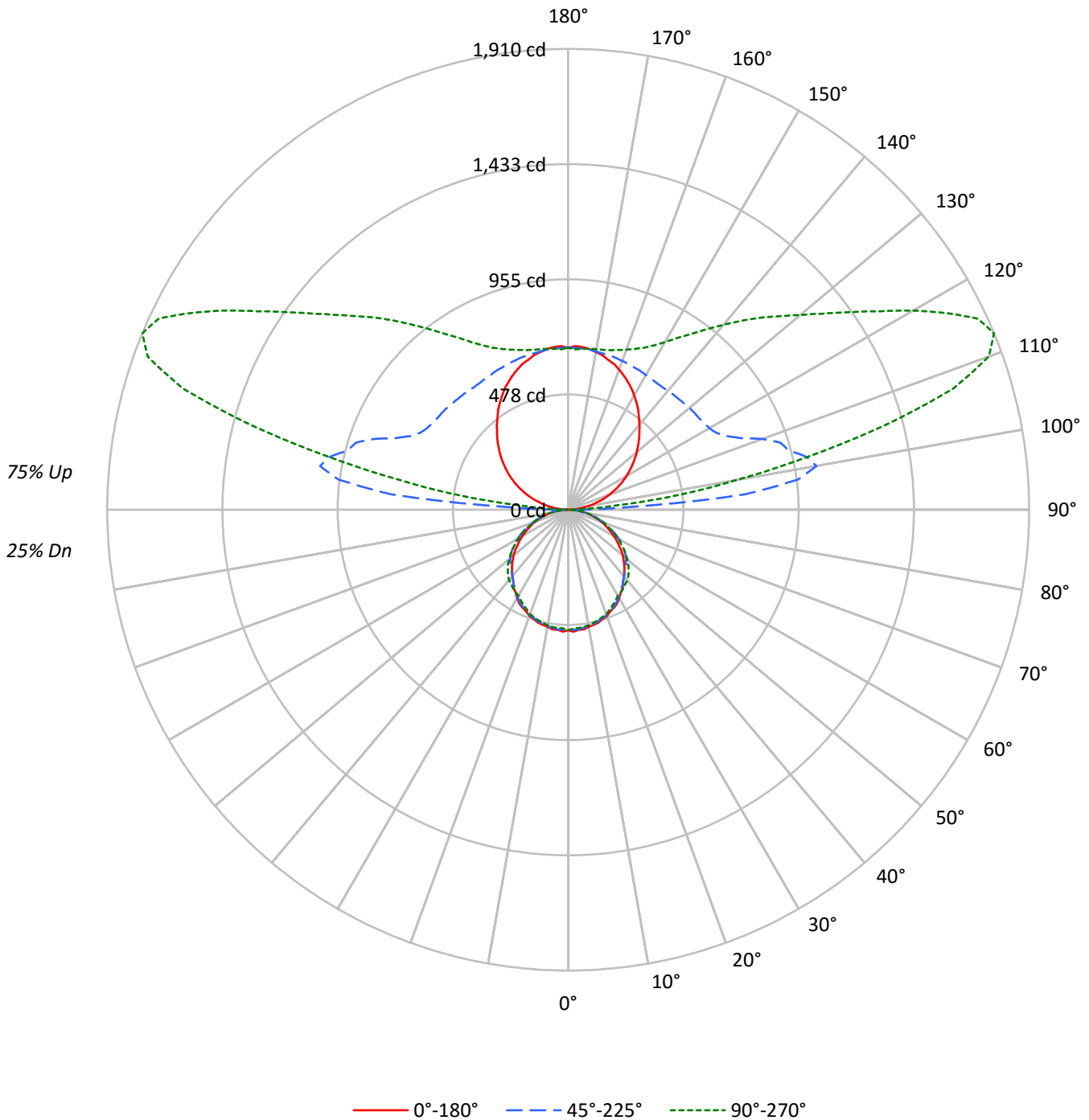
Input Watts (W): 47.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1614	1614	1614
5°	1621	1614	1596
10°	1614	1608	1595
15°	1620	1601	1588
20°	1612	1599	1586
25°	1596	1583	1555
30°	1577	1563	1534
35°	1554	1531	1569
40°	1516	1516	1605
45°	1501	1546	1616
50°	1488	1575	1603
55°	1440	1581	1569
60°	1416	1565	1527
65°	1381	1528	1484
70°	1380	1471	1471
75°	1344	1416	1416
80°	1324	1359	1359
85°	1211	1352	1211



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.1	0.8
10°-20°	134.9	2.3
20°-30°	203.7	3.5
30°-40°	244.8	4.2
40°-50°	261.3	4.5
50°-60°	242.9	4.1
60°-70°	191.9	3.3
70°-80°	119.7	2.0
80°-90°	39.2	0.7
90°-100°	338.7	5.8
100°-110°	898.3	15.3
110°-120°	906.1	15.5
120°-130°	700.4	12.0
130°-140°	551.2	9.4
140°-150°	420.9	7.2
150°-160°	303.2	5.2
160°-170°	187.4	3.2
170°-180°	63.9	1.1
0°-30°	385.6	6.6
0°-40°	630.4	10.8
0°-60°	1134.6	19.4
0°-90°	1485.5	25.4
90°-120°	2143.2	36.6
90°-150°	3815.7	65.2
90°-180°	4370.0	74.6
0°-180°	5855.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	500	500	500	500	500	
5°	500	496	498	494	492	48
15°	485	477	479	475	475	136
25°	448	442	444	438	436	206
35°	394	386	388	392	398	245
45°	329	325	338	350	354	253
55°	256	258	281	279	279	230
65°	181	192	200	196	194	180
75°	108	115	114	114	114	114
85°	33	35	36	35	33	35
90°	2	4	4	4	4	6
95°	36	125	736	304	202	40
105°	131	227	946	1583	1367	139
115°	231	290	721	1604	1873	228
125°	325	375	662	1190	1427	291
135°	415	454	648	971	1125	320
145°	506	529	640	806	888	316
155°	585	592	650	710	740	269
165°	642	642	662	679	685	182
175°	677	667	669	669	669	64
180°	671	671	671	671	671	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	500.0	500.0	500.0	500.0	500.0
2.5°	505.8	496.2	498.1	496.2	492.3
5°	500.0	496.2	498.1	494.2	492.3
7.5°	500.0	494.2	492.3	490.4	490.4
10°	492.3	488.5	490.4	486.5	486.5
12.5°	488.5	482.7	486.5	482.7	480.8
15°	484.6	476.9	478.8	475.0	475.0
17.5°	475.0	471.2	471.2	467.3	467.3
20°	469.2	465.4	465.4	459.6	461.5
22.5°	455.8	453.8	455.8	448.1	448.1
25°	448.1	442.3	444.2	438.5	436.5
27.5°	438.5	430.8	432.7	426.9	425.0
30°	423.1	419.2	419.2	413.5	411.5
32.5°	405.8	401.9	401.9	398.1	405.8
35°	394.2	386.5	388.5	392.3	398.1
37.5°	373.1	373.1	375.0	384.6	388.5
40°	359.6	359.6	359.6	373.1	380.8
42.5°	344.2	342.3	348.1	363.5	369.2
45°	328.8	325.0	338.5	350.0	353.8
47.5°	311.5	309.6	325.0	336.5	338.5
50°	296.2	294.2	313.5	319.2	319.2
52.5°	276.9	276.9	298.1	300.0	300.0
55°	255.8	257.7	280.8	278.8	278.8
57.5°	238.5	240.4	263.5	259.6	257.7
60°	219.2	225.0	242.3	238.5	236.5
62.5°	200.0	207.7	221.2	217.3	217.3
65°	180.8	192.3	200.0	196.2	194.2
67.5°	163.5	175.0	176.9	175.0	173.1
70°	146.2	155.8	155.8	153.8	155.8
72.5°	126.9	136.5	134.6	134.6	134.6
75°	107.7	115.4	113.5	113.5	113.5
77.5°	90.4	94.2	94.2	92.3	92.3
80°	71.2	73.1	73.1	73.1	73.1
82.5°	51.9	53.8	53.8	53.8	51.9
85°	32.7	34.6	36.5	34.6	32.7
87.5°	17.3	19.2	19.2	17.3	15.4
90°	1.9	3.8	3.8	3.8	3.8
92.5°	19.2	76.9	261.5	61.5	44.2
95°	36.5	125.0	736.5	303.8	201.9
97.5°	59.6	153.8	959.6	609.6	453.8
100°	82.7	200.0	1044.2	913.5	709.6
102.5°	107.7	223.1	1011.5	1265.4	1021.2
105°	130.8	226.9	946.2	1582.7	1367.3
107.5°	155.8	230.8	923.1	1742.3	1675.0
110°	180.8	246.2	855.8	1778.8	1853.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	205.8	267.3	775.0	1719.2	1909.6
115°	230.8	290.4	721.2	1603.8	1873.1
117.5°	253.8	311.5	690.4	1475.0	1765.4
120°	278.8	334.6	675.0	1363.5	1650.0
122.5°	301.9	355.8	667.3	1267.3	1530.8
125°	325.0	375.0	661.5	1190.4	1426.9
127.5°	348.1	394.2	659.6	1126.9	1334.6
130°	371.2	413.5	655.8	1071.2	1255.8
132.5°	392.3	434.6	651.9	1019.2	1186.5
135°	415.4	453.8	648.1	971.2	1125.0
137.5°	436.5	471.2	646.2	923.1	1061.5
140°	459.6	492.3	642.3	878.8	1000.0
142.5°	480.8	513.5	640.4	840.4	942.3
145°	505.8	528.8	640.4	805.8	888.5
147.5°	526.9	546.2	642.3	773.1	844.2
150°	546.2	563.5	644.2	746.2	801.9
152.5°	567.3	576.9	648.1	725.0	767.3
155°	584.6	592.3	650.0	709.6	740.4
157.5°	601.9	607.7	653.8	698.1	721.2
160°	617.3	619.2	655.8	688.5	705.8
162.5°	632.7	630.8	659.6	684.6	694.2
165°	642.3	642.3	661.5	678.8	684.6
167.5°	655.8	650.0	663.5	675.0	678.8
170°	663.5	657.7	665.4	673.1	675.0
172.5°	671.2	663.5	669.2	671.2	673.1
175°	676.9	667.3	669.2	669.2	669.2
177.5°	678.8	671.2	671.2	669.2	665.4
180°	671.2	671.2	671.2	671.2	671.2

(END OF REPORT)