

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: P234873

Luminaire Tested: **CTA-F-7525-20L835-UNV-12**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234873  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-4\_PR)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTA-F-7525-20L835-UNV-12  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
2000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT  
Light Source: (1008) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

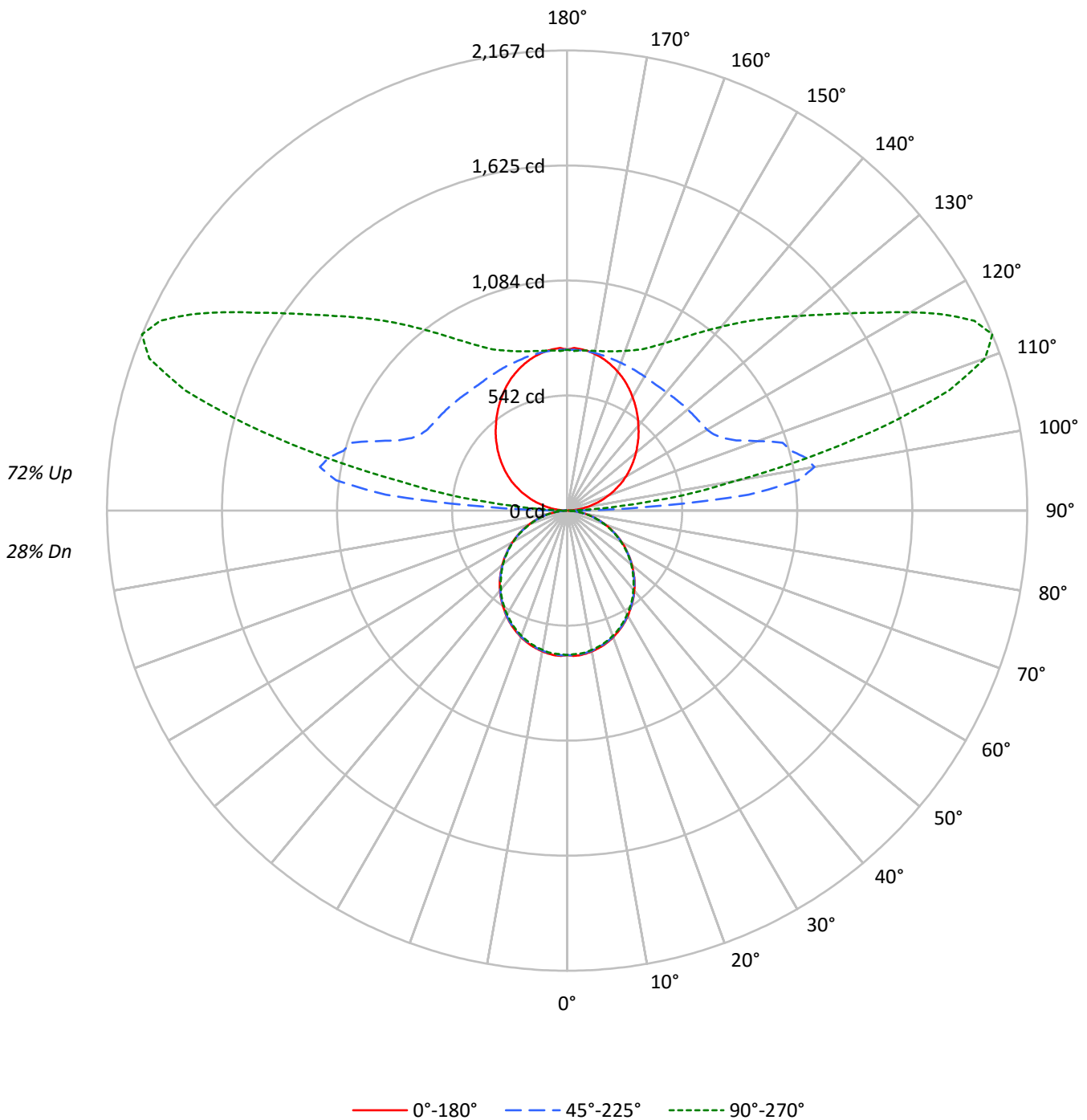
Lumens per Lamp: N/A  
Luminaire Lumens: 6900.6 lumens  
Efficiency: N/A  
Efficacy: 147.1 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36  
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 46.9  
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	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36	28
1	93	88	85	81	83	79	76	73	62	60	58	46	45	44	31	31	30	23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	28	26	25	19
3	77	68	60	55	68	61	55	50	48	43	40	36	33	30	24	23	21	16
4	70	60	52	46	62	54	47	42	42	37	34	32	28	26	22	20	18	14
5	64	53	45	39	57	48	41	36	38	33	29	28	25	22	19	17	16	12
6	59	47	39	34	53	43	36	31	34	29	25	25	22	19	18	15	14	10
7	54	43	35	29	48	38	32	27	30	25	22	23	20	17	16	14	12	9
8	50	38	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11	8
9	47	35	28	23	42	32	25	21	25	20	17	19	16	13	13	11	10	7
10	44	32	25	20	39	29	23	19	23	18	15	18	14	12	12	10	9	7

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

	0°	45°	90°
0°	1464	1464	1464
5°	1478	1469	1461
10°	1472	1463	1457
15°	1465	1456	1450
20°	1454	1448	1438
25°	1439	1432	1422
30°	1422	1417	1405
35°	1402	1396	1387
40°	1383	1377	1361
45°	1361	1355	1338
50°	1336	1331	1319
55°	1308	1300	1290
60°	1277	1268	1260
65°	1244	1230	1216
70°	1198	1181	1168
75°	1148	1124	1119
80°	1061	1044	1026
85°	953	887	818



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.5	0.9
10°-20°	184.1	2.7
20°-30°	277.0	4.0
30°-40°	331.4	4.8
40°-50°	342.0	5.0
50°-60°	309.2	4.5
60°-70°	238.8	3.5
70°-80°	143.4	2.1
80°-90°	42.0	0.6
90°-100°	402.4	5.8
100°-110°	1019.7	14.8
110°-120°	1024.6	14.8
120°-130°	794.4	11.5
130°-140°	624.6	9.1
140°-150°	476.0	6.9
150°-160°	342.7	5.0
160°-170°	211.8	3.1
170°-180°	72.1	1.0
0°-30°	525.5	7.6
0°-40°	857.0	12.4
0°-60°	1508.2	21.9
0°-90°	1932.4	28.0
90°-120°	2446.6	35.5
90°-150°	4341.6	62.9
90°-180°	4968.0	72.0
0°-180°	6900.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	680	680	680	680	680	
5°	684	677	680	678	676	65
15°	658	651	653	653	651	185
25°	606	600	603	599	599	279
35°	533	529	531	526	528	334
45°	447	443	445	440	440	345
55°	348	347	346	343	344	312
65°	244	242	242	239	239	242
75°	138	136	135	135	134	145
85°	39	39	36	34	33	41
90°	3	4	6	4	3	6
95°	43	148	858	404	262	45
105°	150	247	1090	1775	1556	158
115°	262	331	808	1815	2115	261
125°	372	428	749	1350	1619	332
135°	473	518	734	1098	1271	365
145°	571	599	724	908	1006	357
155°	660	670	735	801	838	304
165°	727	724	748	767	776	205
175°	763	754	757	757	757	72
180°	758	758	758	758	758	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	680.3	680.3	680.3	680.3	680.3
2.5°	685.2	679.0	681.7	680.3	676.9
5°	683.8	676.9	679.6	678.3	676.2
7.5°	679.6	673.4	676.2	674.1	673.4
10°	673.4	666.5	669.3	667.2	666.5
12.5°	665.8	658.9	663.1	661.0	658.9
15°	657.6	650.7	653.4	652.7	650.7
17.5°	646.5	640.3	643.1	642.4	639.6
20°	634.8	627.9	632.0	629.3	627.9
22.5°	620.3	614.8	617.5	614.1	614.1
25°	605.8	599.6	603.1	598.9	598.9
27.5°	589.9	583.7	587.9	583.0	582.4
30°	572.0	567.2	569.9	565.1	565.1
32.5°	552.7	549.2	552.0	546.5	546.5
35°	533.4	529.2	531.3	526.5	527.8
37.5°	513.4	509.9	512.0	507.1	507.8
40°	492.0	489.2	489.9	485.8	484.4
42.5°	470.6	466.4	468.5	463.7	463.7
45°	447.1	443.0	445.0	440.2	439.5
47.5°	422.3	421.6	420.9	416.8	418.1
50°	398.8	398.1	397.4	393.3	394.0
52.5°	374.0	372.6	371.9	367.8	369.1
55°	348.4	347.1	346.4	342.9	343.6
57.5°	322.9	322.2	320.8	318.1	318.1
60°	296.7	296.0	294.6	292.6	292.6
62.5°	271.2	270.5	268.4	266.3	266.3
65°	244.3	242.2	241.5	239.4	238.7
67.5°	218.0	215.3	213.9	213.2	211.8
70°	190.4	189.1	187.7	187.0	185.6
72.5°	164.2	162.1	161.5	161.5	159.4
75°	138.0	135.9	135.2	135.2	134.5
77.5°	110.4	111.8	109.7	109.7	108.3
80°	85.6	85.6	84.2	83.5	82.8
82.5°	60.7	62.1	60.0	59.3	57.3
85°	38.6	38.6	35.9	33.8	33.1
87.5°	16.6	15.9	13.8	12.4	10.3
90°	3.4	4.1	5.5	4.1	3.4
92.5°	22.1	95.2	356.7	84.2	57.3
95°	42.8	148.3	857.7	403.6	261.5
97.5°	66.9	178.0	1097.8	723.8	547.2
100°	93.1	231.8	1182.7	1064.0	803.2
102.5°	120.7	244.3	1149.5	1459.3	1175.8
105°	149.7	247.0	1090.2	1775.4	1555.9
107.5°	178.0	251.2	1064.0	1966.5	1888.5
110°	207.0	276.0	955.6	2014.8	2094.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	235.3	305.0	861.8	1947.2	2167.3
115°	262.2	331.2	808.0	1815.4	2114.8
117.5°	291.9	356.7	777.6	1670.5	2000.3
120°	319.5	380.9	761.1	1544.2	1867.8
122.5°	345.7	405.7	753.5	1438.0	1734.0
125°	371.9	428.5	748.6	1349.6	1618.7
127.5°	397.4	449.9	744.5	1277.2	1515.2
130°	423.0	472.0	741.1	1210.9	1425.5
132.5°	447.8	495.4	736.9	1152.3	1346.2
135°	473.3	517.5	733.5	1097.8	1271.0
137.5°	498.2	538.9	730.0	1045.3	1199.2
140°	521.6	558.9	726.6	993.6	1129.5
142.5°	547.2	579.6	726.6	950.1	1065.4
145°	570.6	598.9	724.5	908.0	1006.0
147.5°	594.1	616.9	726.6	873.5	952.9
150°	616.9	636.2	729.3	845.2	908.0
152.5°	638.9	653.4	731.4	820.4	870.1
155°	659.6	670.0	734.8	801.1	837.7
157.5°	679.0	685.2	737.6	789.4	817.0
160°	696.2	700.3	740.4	779.7	800.4
162.5°	712.1	714.1	743.1	772.8	786.6
165°	726.6	724.5	748.0	767.3	776.2
167.5°	739.0	735.5	750.0	761.8	768.7
170°	748.6	744.5	753.5	759.7	763.1
172.5°	757.6	750.0	755.5	757.6	759.7
175°	763.1	754.2	756.9	756.9	756.9
177.5°	766.6	757.6	757.6	757.6	752.1
180°	757.6	757.6	757.6	757.6	757.6

(END OF REPORT)