

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: P234661

Luminaire Tested: **CTA-F-7525-60L840-UNV-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234661  
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-4  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
6000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT  
Light Source: (336) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

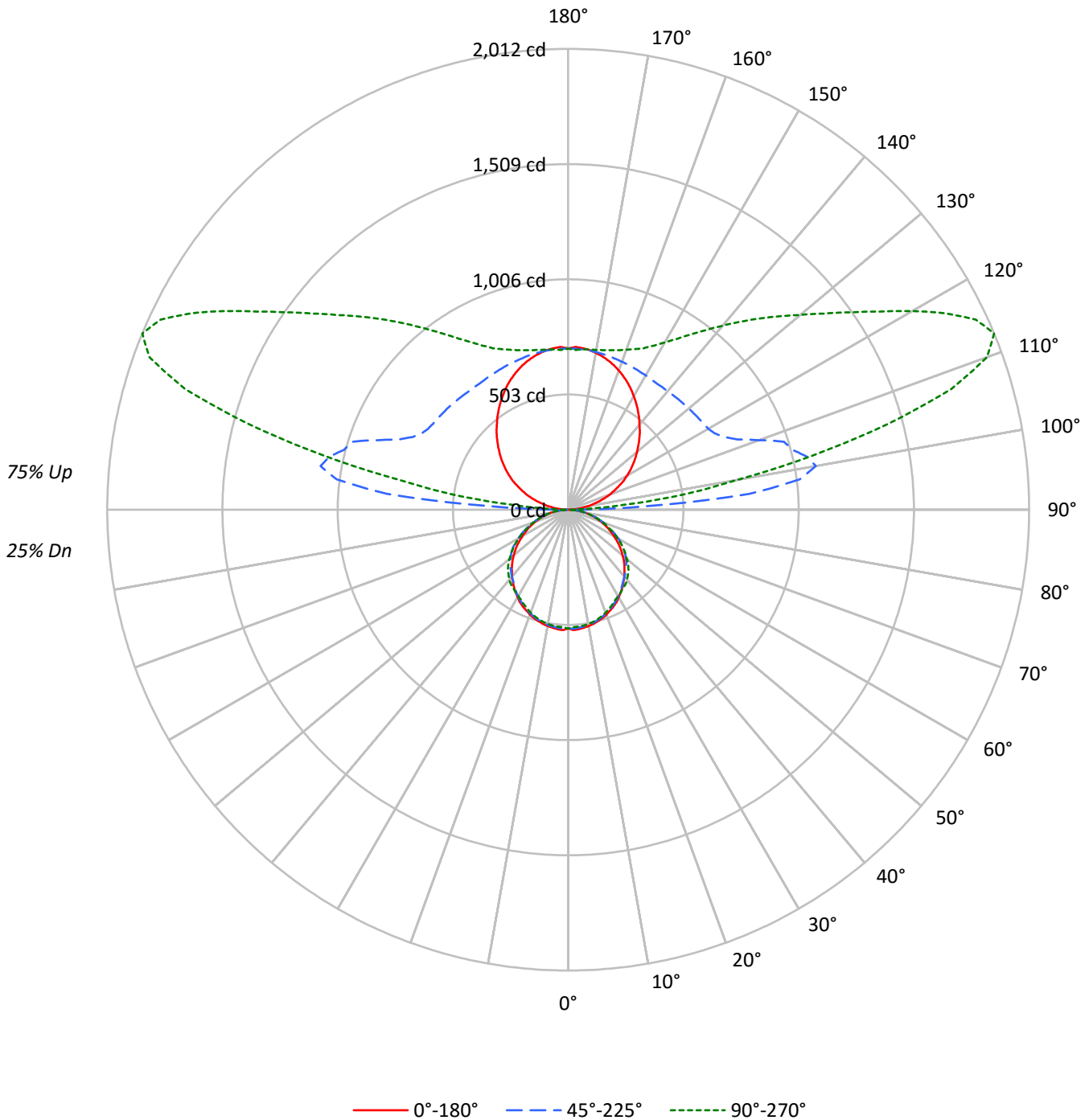
Lumens per Lamp: N/A  
Luminaire Lumens: 6169.1 lumens  
Efficiency: N/A  
Efficacy: 134.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 45.8  
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	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	3357	3324
10°	3382	3348	3322
15°	3366	3332	3311
20°	3348	3313	3285
25°	3326	3283	3253
30°	3291	3261	3245
35°	3254	3222	3295
40°	3214	3222	3368
45°	3175	3249	3397
50°	3123	3307	3359
55°	3064	3328	3304
60°	2974	3265	3199
65°	2928	3162	3114
70°	2868	3080	3021
75°	2822	2977	2899
80°	2730	2882	2767
85°	2571	2793	2645



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.2	0.8
10°-20°	140.6	2.3
20°-30°	212.4	3.4
30°-40°	258.0	4.2
40°-50°	275.4	4.5
50°-60°	255.3	4.1
60°-70°	200.0	3.2
70°-80°	124.7	2.0
80°-90°	41.8	0.7
90°-100°	373.6	6.1
100°-110°	946.5	15.3
110°-120°	951.0	15.4
120°-130°	737.4	12.0
130°-140°	579.8	9.4
140°-150°	441.8	7.2
150°-160°	318.1	5.2
160°-170°	196.6	3.2
170°-180°	67.0	1.1
0°-30°	402.2	6.5
0°-40°	660.1	10.7
0°-60°	1190.8	19.3
0°-90°	1557.4	25.2
90°-120°	2271.0	36.8
90°-150°	4030.1	65.3
90°-180°	4612.0	74.8
0°-180°	6169.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	519	519	519	519	519	
5°	524	518	518	516	513	50
15°	504	498	498	497	495	142
25°	467	462	461	459	457	215
35°	413	408	409	415	418	258
45°	348	344	356	369	372	268
55°	272	272	296	294	294	243
65°	192	200	207	204	204	190
75°	113	120	119	118	116	119
85°	35	39	38	38	36	37
90°	3	4	5	4	3	6
95°	40	138	796	375	243	42
105°	139	229	1012	1648	1444	146
115°	244	308	750	1685	1963	242
125°	346	398	695	1253	1502	309
135°	439	480	681	1019	1180	339
145°	530	556	673	843	934	331
155°	613	622	682	744	778	282
165°	675	673	694	712	721	190
175°	708	700	702	702	702	67
180°	703	703	703	703	703	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	518.8	518.8	518.8	518.8	518.8
2.5°	525.9	519.8	519.8	517.8	512.7
5°	523.9	517.8	517.8	515.7	512.7
7.5°	519.8	514.7	514.7	513.7	510.6
10°	515.7	510.6	510.6	508.6	506.6
12.5°	510.6	504.5	505.5	503.5	501.5
15°	503.5	498.4	498.4	497.4	495.3
17.5°	496.4	490.3	491.3	490.3	487.2
20°	487.2	482.1	482.1	480.1	478.0
22.5°	477.0	471.9	471.9	469.9	467.8
25°	466.8	461.7	460.7	458.7	456.6
27.5°	455.6	449.5	449.5	447.4	444.4
30°	441.3	437.3	437.3	434.2	435.2
32.5°	427.1	423.0	424.0	424.0	427.1
35°	412.8	407.7	408.7	414.8	417.9
37.5°	396.5	392.4	394.4	404.6	410.8
40°	381.2	377.1	382.2	395.5	399.5
42.5°	363.9	361.8	369.0	382.2	385.3
45°	347.6	344.5	355.7	369.0	372.0
47.5°	329.2	327.2	343.5	352.7	354.7
50°	310.9	309.8	329.2	335.3	334.3
52.5°	291.5	291.5	312.9	314.9	314.9
55°	272.1	272.1	295.6	293.5	293.5
57.5°	250.7	253.8	276.2	272.1	272.1
60°	230.3	233.4	252.8	247.7	247.7
62.5°	211.0	217.1	229.3	226.3	226.3
65°	191.6	199.8	206.9	203.8	203.8
67.5°	172.3	181.4	184.5	182.4	182.4
70°	151.9	162.1	163.1	161.0	160.0
72.5°	133.5	141.7	140.7	139.6	138.6
75°	113.1	120.3	119.3	118.2	116.2
77.5°	92.8	98.9	97.8	96.8	94.8
80°	73.4	77.5	77.5	76.4	74.4
82.5°	55.0	57.1	57.1	56.1	55.0
85°	34.7	38.7	37.7	37.7	35.7
87.5°	17.3	21.4	20.4	20.4	17.3
90°	3.1	4.1	5.1	4.1	3.1
92.5°	20.4	88.7	331.3	78.5	53.0
95°	39.8	137.6	796.0	375.1	242.6
97.5°	62.2	165.1	1019.2	671.7	507.6
100°	86.6	215.1	1097.7	987.6	745.1
102.5°	112.1	226.3	1067.1	1354.6	1091.6
105°	138.6	229.3	1012.1	1648.1	1444.3
107.5°	165.1	233.4	987.6	1825.4	1753.1
110°	191.6	255.8	886.7	1870.3	1944.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	218.1	283.3	800.1	1807.1	2012.0
115°	243.6	307.8	750.2	1684.8	1963.0
117.5°	271.1	331.3	721.6	1550.3	1857.0
120°	296.6	353.7	706.3	1433.0	1733.7
122.5°	321.1	376.1	699.2	1335.2	1609.4
125°	345.5	397.5	695.1	1252.6	1502.3
127.5°	369.0	417.9	691.0	1185.4	1406.5
130°	392.4	438.3	688.0	1124.2	1323.0
132.5°	415.8	459.7	683.9	1069.2	1249.6
135°	439.3	480.1	680.8	1019.2	1180.3
137.5°	462.7	500.4	677.8	970.3	1113.0
140°	484.1	518.8	674.7	922.4	1048.8
142.5°	507.6	538.2	674.7	881.6	988.7
145°	530.0	555.5	672.7	842.9	933.6
147.5°	551.4	572.8	674.7	811.3	884.7
150°	572.8	590.1	676.8	784.8	842.9
152.5°	593.2	606.4	678.8	761.4	807.2
155°	612.6	621.7	681.9	744.0	777.7
157.5°	629.9	636.0	684.9	732.8	758.3
160°	646.2	650.3	687.0	723.7	743.0
162.5°	661.5	662.5	690.0	717.5	729.8
165°	674.7	672.7	694.1	712.4	720.6
167.5°	685.9	682.9	696.1	707.3	713.5
170°	695.1	691.0	699.2	705.3	708.4
172.5°	703.3	696.1	701.2	703.3	705.3
175°	708.4	700.2	702.3	702.3	702.3
177.5°	711.4	703.3	703.3	703.3	698.2
180°	703.3	703.3	703.3	703.3	703.3

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