

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: P234870

Luminaire Tested: **CTA-F-7525-20L835-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234870
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-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
2000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT
Light Source: (672) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

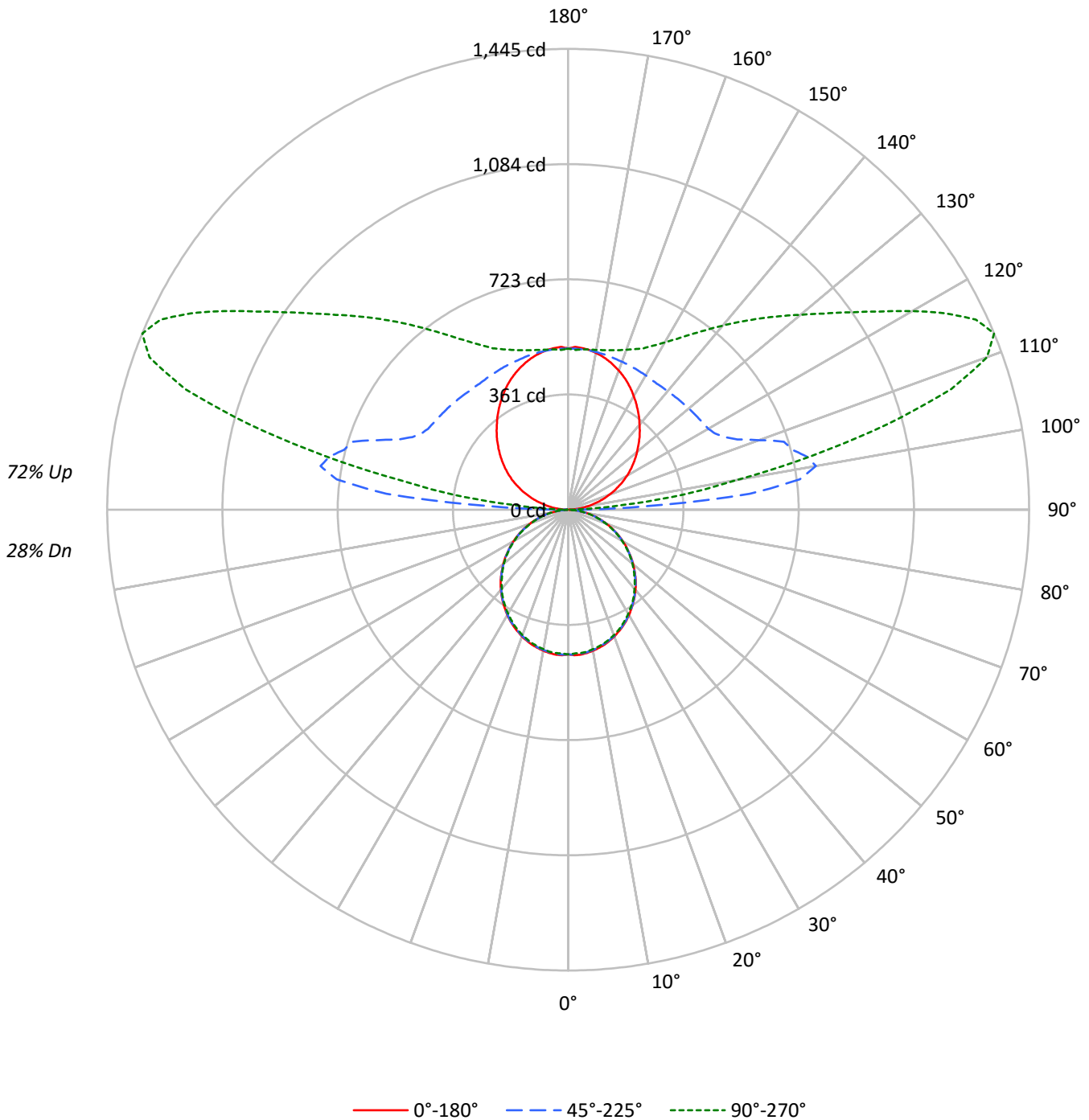
Lumens per Lamp: N/A
Luminaire Lumens: 4600.4 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 32.1
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°	1465	1465	1465
5°	1478	1469	1461
10°	1472	1463	1457
15°	1465	1456	1450
20°	1454	1448	1438
25°	1439	1432	1423
30°	1422	1417	1405
35°	1402	1396	1387
40°	1383	1377	1361
45°	1361	1355	1338
50°	1336	1331	1320
55°	1308	1300	1290
60°	1277	1268	1259
65°	1244	1230	1216
70°	1199	1181	1168
75°	1148	1125	1119
80°	1060	1043	1026
85°	956	885	819



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	0.9
10°-20°	122.7	2.7
20°-30°	184.7	4.0
30°-40°	221.0	4.8
40°-50°	228.0	5.0
50°-60°	206.1	4.5
60°-70°	159.2	3.5
70°-80°	95.6	2.1
80°-90°	28.0	0.6
90°-100°	268.3	5.8
100°-110°	679.8	14.8
110°-120°	683.0	14.8
120°-130°	529.6	11.5
130°-140°	416.4	9.1
140°-150°	317.3	6.9
150°-160°	228.5	5.0
160°-170°	141.2	3.1
170°-180°	48.1	1.0
0°-30°	350.4	7.6
0°-40°	571.3	12.4
0°-60°	1005.5	21.9
0°-90°	1288.3	28.0
90°-120°	1631.1	35.5
90°-150°	2894.4	62.9
90°-180°	3312.0	72.0
0°-180°	4600.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	454	454	454	454	454	
5°	456	451	453	452	451	43
15°	438	434	436	435	434	124
25°	404	400	402	399	399	186
35°	356	353	354	351	352	223
45°	298	295	297	294	293	230
55°	232	231	231	229	229	208
65°	163	162	161	160	159	161
75°	92	91	90	90	90	97
85°	26	26	24	22	22	27
90°	2	3	4	3	2	4
95°	28	99	572	269	174	30
105°	100	165	727	1184	1037	105
115°	175	221	539	1210	1410	174
125°	248	286	499	900	1079	222
135°	316	345	489	732	847	243
145°	380	399	483	605	671	238
155°	440	447	490	534	558	202
165°	484	483	499	512	518	137
175°	509	503	505	505	505	48
180°	505	505	505	505	505	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	453.6	453.6	453.6	453.6	453.6
2.5°	456.8	452.6	454.5	453.6	451.3
5°	455.9	451.3	453.1	452.2	450.8
7.5°	453.1	449.0	450.8	449.4	449.0
10°	449.0	444.4	446.2	444.8	444.4
12.5°	443.9	439.3	442.1	440.7	439.3
15°	438.4	433.8	435.6	435.2	433.8
17.5°	431.0	426.9	428.7	428.3	426.4
20°	423.2	418.6	421.4	419.5	418.6
22.5°	413.5	409.9	411.7	409.4	409.4
25°	403.9	399.7	402.0	399.3	399.3
27.5°	393.3	389.2	391.9	388.7	388.2
30°	381.3	378.1	380.0	376.7	376.7
32.5°	368.5	366.2	368.0	364.3	364.3
35°	355.6	352.8	354.2	351.0	351.9
37.5°	342.2	339.9	341.3	338.1	338.6
40°	328.0	326.1	326.6	323.8	322.9
42.5°	313.7	311.0	312.3	309.1	309.1
45°	298.1	295.3	296.7	293.5	293.0
47.5°	281.5	281.1	280.6	277.8	278.8
50°	265.9	265.4	265.0	262.2	262.7
52.5°	249.3	248.4	247.9	245.2	246.1
55°	232.3	231.4	230.9	228.6	229.1
57.5°	215.3	214.8	213.9	212.1	212.1
60°	197.8	197.3	196.4	195.0	195.0
62.5°	180.8	180.3	178.9	177.6	177.6
65°	162.8	161.5	161.0	159.6	159.2
67.5°	145.4	143.5	142.6	142.1	141.2
70°	127.0	126.0	125.1	124.7	123.7
72.5°	109.5	108.1	107.6	107.6	106.3
75°	92.0	90.6	90.2	90.2	89.7
77.5°	73.6	74.5	73.1	73.1	72.2
80°	57.0	57.0	56.1	55.7	55.2
82.5°	40.5	41.4	40.0	39.6	38.2
85°	25.8	25.8	23.9	22.5	22.1
87.5°	11.0	10.6	9.2	8.3	6.9
90°	2.3	2.8	3.7	2.8	2.3
92.5°	14.7	63.5	237.8	56.1	38.2
95°	28.5	98.9	571.8	269.1	174.3
97.5°	44.6	118.7	731.9	482.5	364.8
100°	62.1	154.6	788.4	709.3	535.4
102.5°	80.5	162.8	766.4	972.9	783.8
105°	99.8	164.7	726.8	1183.6	1037.3
107.5°	118.7	167.4	709.3	1311.0	1259.0
110°	138.0	184.0	637.1	1343.2	1396.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	156.9	203.3	574.5	1298.1	1444.9
115°	174.8	220.8	538.7	1210.3	1409.9
117.5°	194.6	237.8	518.4	1113.7	1333.5
120°	213.0	253.9	507.4	1029.5	1245.2
122.5°	230.5	270.5	502.3	958.6	1156.0
125°	247.9	285.7	499.1	899.8	1079.2
127.5°	265.0	299.9	496.3	851.5	1010.2
130°	282.0	314.6	494.0	807.3	950.4
132.5°	298.5	330.3	491.3	768.2	897.5
135°	315.6	345.0	489.0	731.9	847.3
137.5°	332.1	359.3	486.7	696.9	799.5
140°	347.8	372.6	484.4	662.4	753.0
142.5°	364.8	386.4	484.4	633.4	710.2
145°	380.4	399.3	483.0	605.4	670.7
147.5°	396.1	411.2	484.4	582.4	635.3
150°	411.2	424.1	486.2	563.5	605.4
152.5°	426.0	435.6	487.6	546.9	580.1
155°	439.8	446.7	489.9	534.1	558.4
157.5°	452.6	456.8	491.7	526.2	544.6
160°	464.1	466.9	493.6	519.8	533.6
162.5°	474.7	476.1	495.4	515.2	524.4
165°	484.4	483.0	498.6	511.5	517.5
167.5°	492.7	490.4	500.0	507.8	512.4
170°	499.1	496.3	502.3	506.5	508.8
172.5°	505.1	500.0	503.7	505.1	506.5
175°	508.8	502.8	504.6	504.6	504.6
177.5°	511.1	505.1	505.1	505.1	501.4
180°	505.1	505.1	505.1	505.1	505.1

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