

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: P234869

Luminaire Tested: **CTA-F-7525-20L830-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234869
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-7525-20L830-UNV-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
2000 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: 4423.5 lumens
Efficiency: N/A
Efficacy: 137.8 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

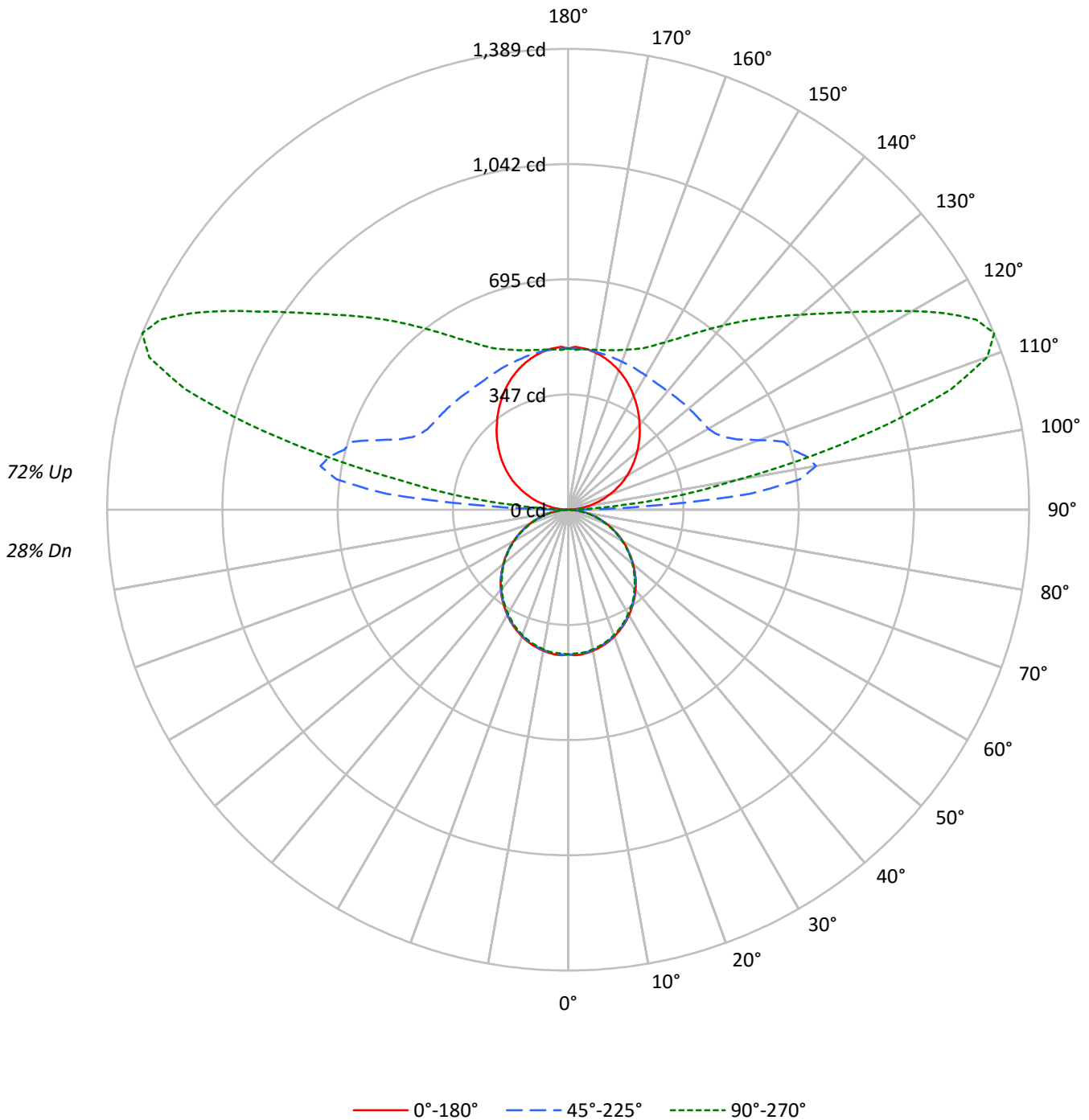
Input Watts (W): 32.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1408	1408	1408
5°	1421	1412	1405
10°	1415	1407	1401
15°	1409	1400	1394
20°	1398	1392	1383
25°	1383	1377	1368
30°	1367	1362	1350
35°	1348	1343	1334
40°	1329	1324	1309
45°	1309	1303	1286
50°	1284	1280	1269
55°	1258	1250	1240
60°	1228	1220	1211
65°	1196	1183	1169
70°	1153	1136	1123
75°	1104	1082	1075
80°	1019	1004	987
85°	919	852	785



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	0.9
10°-20°	118.0	2.7
20°-30°	177.6	4.0
30°-40°	212.5	4.8
40°-50°	219.2	5.0
50°-60°	198.2	4.5
60°-70°	153.1	3.5
70°-80°	91.9	2.1
80°-90°	26.9	0.6
90°-100°	258.0	5.8
100°-110°	653.6	14.8
110°-120°	656.8	14.8
120°-130°	509.2	11.5
130°-140°	400.4	9.1
140°-150°	305.1	6.9
150°-160°	219.7	5.0
160°-170°	135.8	3.1
170°-180°	46.2	1.0
0°-30°	336.9	7.6
0°-40°	549.4	12.4
0°-60°	966.8	21.9
0°-90°	1238.7	28.0
90°-120°	1568.3	35.5
90°-150°	2783.1	62.9
90°-180°	3185.0	72.0
0°-180°	4423.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	436	436	436	436	436	
5°	438	434	436	435	434	42
15°	422	417	419	418	417	119
25°	388	384	387	384	384	179
35°	342	339	341	338	338	214
45°	287	284	285	282	282	221
55°	223	222	222	220	220	200
65°	157	155	155	154	153	155
75°	88	87	87	87	86	93
85°	25	25	23	22	21	26
90°	2	3	4	3	2	4
95°	27	95	550	259	168	29
105°	96	158	699	1138	997	101
115°	168	212	518	1164	1356	167
125°	238	275	480	865	1038	213
135°	303	332	470	704	815	234
145°	366	384	464	582	645	229
155°	423	430	471	514	537	195
165°	466	464	480	492	498	131
175°	489	483	485	485	485	46
180°	486	486	486	486	486	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	436.1	436.1	436.1	436.1	436.1
2.5°	439.2	435.2	437.0	436.1	433.9
5°	438.3	433.9	435.7	434.8	433.5
7.5°	435.7	431.7	433.5	432.1	431.7
10°	431.7	427.3	429.0	427.7	427.3
12.5°	426.8	422.4	425.1	423.7	422.4
15°	421.5	417.1	418.9	418.4	417.1
17.5°	414.4	410.5	412.2	411.8	410.0
20°	406.9	402.5	405.2	403.4	402.5
22.5°	397.6	394.1	395.9	393.7	393.7
25°	388.3	384.4	386.6	383.9	383.9
27.5°	378.2	374.2	376.8	373.7	373.3
30°	366.7	363.6	365.3	362.2	362.2
32.5°	354.3	352.1	353.8	350.3	350.3
35°	341.9	339.2	340.6	337.5	338.4
37.5°	329.1	326.9	328.2	325.1	325.5
40°	315.4	313.6	314.0	311.4	310.5
42.5°	301.7	299.0	300.3	297.2	297.2
45°	286.6	284.0	285.3	282.2	281.7
47.5°	270.7	270.2	269.8	267.2	268.0
50°	255.7	255.2	254.8	252.1	252.6
52.5°	239.7	238.8	238.4	235.7	236.6
55°	223.4	222.5	222.0	219.8	220.3
57.5°	207.0	206.6	205.7	203.9	203.9
60°	190.2	189.7	188.9	187.5	187.5
62.5°	173.8	173.4	172.1	170.7	170.7
65°	156.6	155.2	154.8	153.5	153.0
67.5°	139.8	138.0	137.1	136.7	135.8
70°	122.1	121.2	120.3	119.9	119.0
72.5°	105.3	103.9	103.5	103.5	102.2
75°	88.5	87.1	86.7	86.7	86.2
77.5°	70.8	71.7	70.3	70.3	69.4
80°	54.8	54.8	54.0	53.5	53.1
82.5°	38.9	39.8	38.5	38.0	36.7
85°	24.8	24.8	23.0	21.7	21.2
87.5°	10.6	10.2	8.8	8.0	6.6
90°	2.2	2.7	3.5	2.7	2.2
92.5°	14.2	61.0	228.7	54.0	36.7
95°	27.4	95.1	549.8	258.7	167.6
97.5°	42.9	114.1	703.7	464.0	350.7
100°	59.7	148.6	758.1	682.0	514.8
102.5°	77.4	156.6	736.9	935.5	753.7
105°	96.0	158.3	698.8	1138.1	997.4
107.5°	114.1	161.0	682.0	1260.6	1210.6
110°	132.7	176.9	612.6	1291.5	1342.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	150.8	195.5	552.4	1248.2	1389.3
115°	168.1	212.3	517.9	1163.7	1355.7
117.5°	187.1	228.7	498.5	1070.8	1282.2
120°	204.8	244.2	487.9	989.9	1197.3
122.5°	221.6	260.1	483.0	921.8	1111.5
125°	238.4	274.7	479.9	865.1	1037.6
127.5°	254.8	288.4	477.2	818.7	971.3
130°	271.1	302.5	475.0	776.2	913.8
132.5°	287.1	317.6	472.4	738.6	862.9
135°	303.4	331.7	470.2	703.7	814.7
137.5°	319.3	345.4	468.0	670.1	768.7
140°	334.4	358.3	465.7	636.9	724.1
142.5°	350.7	371.5	465.7	609.1	682.9
145°	365.8	383.9	464.4	582.1	644.9
147.5°	380.8	395.4	465.7	560.0	610.8
150°	395.4	407.8	467.5	541.8	582.1
152.5°	409.6	418.9	468.8	525.9	557.7
155°	422.8	429.5	471.1	513.5	537.0
157.5°	435.2	439.2	472.8	506.0	523.7
160°	446.3	448.9	474.6	499.8	513.1
162.5°	456.5	457.8	476.4	495.4	504.2
165°	465.7	464.4	479.5	491.8	497.6
167.5°	473.7	471.5	480.8	488.3	492.7
170°	479.9	477.2	483.0	487.0	489.2
172.5°	485.7	480.8	484.3	485.7	487.0
175°	489.2	483.4	485.2	485.2	485.2
177.5°	491.4	485.7	485.7	485.7	482.1
180°	485.7	485.7	485.7	485.7	485.7

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