

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: P234636

Luminaire Tested: **CTA-F-7525-30L830-UNV-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234636
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-4
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
3000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT
Light Source: (336) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2927.8 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.38
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Semi-Indirect

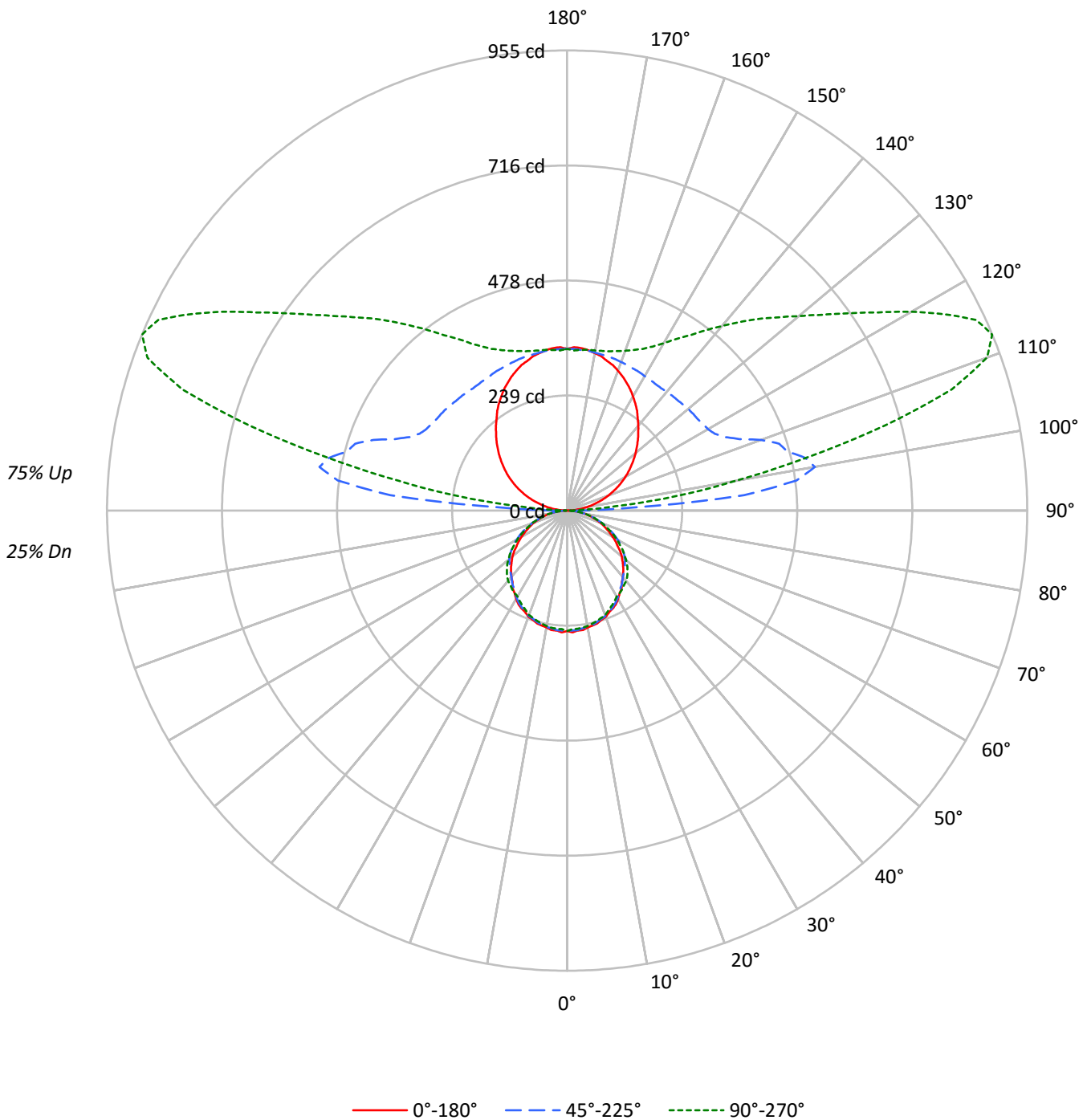
Input Watts (W): 22.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P234636

CATALOG NUMBER: CTA-F-7525-30L830-UNV-4

Luminous Intensity Polar Plot





TEST NUMBER: P234636

CATALOG NUMBER: CTA-F-7525-30L830-UNV-4

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	1535
35°	1554	1531	1569
40°	1516	1516	1605
45°	1501	1545	1616
50°	1488	1574	1603
55°	1440	1581	1569
60°	1416	1565	1528
65°	1381	1528	1484
70°	1380	1471	1471
75°	1342	1415	1415
80°	1324	1357	1357
85°	1208	1356	1208



TEST NUMBER: P234636

CATALOG NUMBER: CTA-F-7525-30L830-UNV-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	0.8
10°-20°	67.4	2.3
20°-30°	101.8	3.5
30°-40°	122.4	4.2
40°-50°	130.6	4.5
50°-60°	121.5	4.1
60°-70°	95.9	3.3
70°-80°	59.9	2.0
80°-90°	19.6	0.7
90°-100°	169.4	5.8
100°-110°	449.2	15.3
110°-120°	453.1	15.5
120°-130°	350.2	12.0
130°-140°	275.6	9.4
140°-150°	210.4	7.2
150°-160°	151.6	5.2
160°-170°	93.7	3.2
170°-180°	31.9	1.1
0°-30°	192.8	6.6
0°-40°	315.2	10.8
0°-60°	567.3	19.4
0°-90°	742.7	25.4
90°-120°	1071.6	36.6
90°-150°	1907.9	65.2
90°-180°	2185.0	74.6
0°-180°	2927.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	250	250	250	250	250	
5°	250	248	249	247	246	24
15°	242	238	239	238	238	68
25°	224	221	222	219	218	103
35°	197	193	194	196	199	122
45°	164	162	169	175	177	127
55°	128	129	140	139	139	115
65°	90	96	100	98	97	90
75°	54	58	57	57	57	57
85°	16	17	18	17	16	18
90°	1	2	2	2	2	3
95°	18	62	368	152	101	20
105°	65	114	473	791	684	69
115°	115	145	361	802	936	114
125°	162	188	331	595	714	145
135°	208	227	324	486	562	160
145°	253	264	320	403	444	158
155°	292	296	325	355	370	135
165°	321	321	331	339	342	91
175°	338	334	335	335	335	32
180°	336	336	336	336	336	



TEST NUMBER: P234636

CATALOG NUMBER: CTA-F-7525-30L830-UNV-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	250.0	250.0	250.0	250.0	250.0
2.5°	252.9	248.1	249.0	248.1	246.2
5°	250.0	248.1	249.0	247.1	246.2
7.5°	250.0	247.1	246.2	245.2	245.2
10°	246.2	244.2	245.2	243.3	243.3
12.5°	244.2	241.3	243.3	241.3	240.4
15°	242.3	238.5	239.4	237.5	237.5
17.5°	237.5	235.6	235.6	233.7	233.7
20°	234.6	232.7	232.7	229.8	230.8
22.5°	227.9	226.9	227.9	224.0	224.0
25°	224.0	221.2	222.1	219.2	218.3
27.5°	219.2	215.4	216.3	213.5	212.5
30°	211.5	209.6	209.6	206.7	205.8
32.5°	202.9	201.0	201.0	199.0	202.9
35°	197.1	193.3	194.2	196.2	199.0
37.5°	186.5	186.5	187.5	192.3	194.2
40°	179.8	179.8	179.8	186.5	190.4
42.5°	172.1	171.2	174.0	181.7	184.6
45°	164.4	162.5	169.2	175.0	176.9
47.5°	155.8	154.8	162.5	168.3	169.2
50°	148.1	147.1	156.7	159.6	159.6
52.5°	138.5	138.5	149.0	150.0	150.0
55°	127.9	128.8	140.4	139.4	139.4
57.5°	119.2	120.2	131.7	129.8	128.8
60°	109.6	112.5	121.2	119.2	118.3
62.5°	100.0	103.8	110.6	108.7	108.7
65°	90.4	96.2	100.0	98.1	97.1
67.5°	81.7	87.5	88.5	87.5	86.5
70°	73.1	77.9	77.9	76.9	77.9
72.5°	63.5	68.3	67.3	67.3	67.3
75°	53.8	57.7	56.7	56.7	56.7
77.5°	45.2	47.1	47.1	46.2	46.2
80°	35.6	36.5	36.5	36.5	36.5
82.5°	26.0	26.9	26.9	26.9	26.0
85°	16.3	17.3	18.3	17.3	16.3
87.5°	8.7	9.6	9.6	8.7	7.7
90°	1.0	1.9	1.9	1.9	1.9
92.5°	9.6	38.5	130.8	30.8	22.1
95°	18.3	62.5	368.3	151.9	101.0
97.5°	29.8	76.9	479.8	304.8	226.9
100°	41.3	100.0	522.1	456.7	354.8
102.5°	53.8	111.5	505.8	632.7	510.6
105°	65.4	113.5	473.1	791.3	683.7
107.5°	77.9	115.4	461.5	871.2	837.5
110°	90.4	123.1	427.9	889.4	926.9



TEST NUMBER: P234636

CATALOG NUMBER: CTA-F-7525-30L830-UNV-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	102.9	133.7	387.5	859.6	954.8
115°	115.4	145.2	360.6	801.9	936.5
117.5°	126.9	155.8	345.2	737.5	882.7
120°	139.4	167.3	337.5	681.7	825.0
122.5°	151.0	177.9	333.7	633.7	765.4
125°	162.5	187.5	330.8	595.2	713.5
127.5°	174.0	197.1	329.8	563.5	667.3
130°	185.6	206.7	327.9	535.6	627.9
132.5°	196.2	217.3	326.0	509.6	593.3
135°	207.7	226.9	324.0	485.6	562.5
137.5°	218.3	235.6	323.1	461.5	530.8
140°	229.8	246.2	321.2	439.4	500.0
142.5°	240.4	256.7	320.2	420.2	471.2
145°	252.9	264.4	320.2	402.9	444.2
147.5°	263.5	273.1	321.2	386.5	422.1
150°	273.1	281.7	322.1	373.1	401.0
152.5°	283.7	288.5	324.0	362.5	383.7
155°	292.3	296.2	325.0	354.8	370.2
157.5°	301.0	303.8	326.9	349.0	360.6
160°	308.7	309.6	327.9	344.2	352.9
162.5°	316.3	315.4	329.8	342.3	347.1
165°	321.2	321.2	330.8	339.4	342.3
167.5°	327.9	325.0	331.7	337.5	339.4
170°	331.7	328.8	332.7	336.5	337.5
172.5°	335.6	331.7	334.6	335.6	336.5
175°	338.5	333.7	334.6	334.6	334.6
177.5°	339.4	335.6	335.6	334.6	332.7
180°	335.6	335.6	335.6	335.6	335.6

(END OF REPORT)