

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: P234637

Luminaire Tested: **CTA-F-7525-30L840-UNV-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234637
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-7525-30L840-UNV-4
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
3000 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: 3103.4 lumens
Efficiency: N/A
Efficacy: 135.5 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

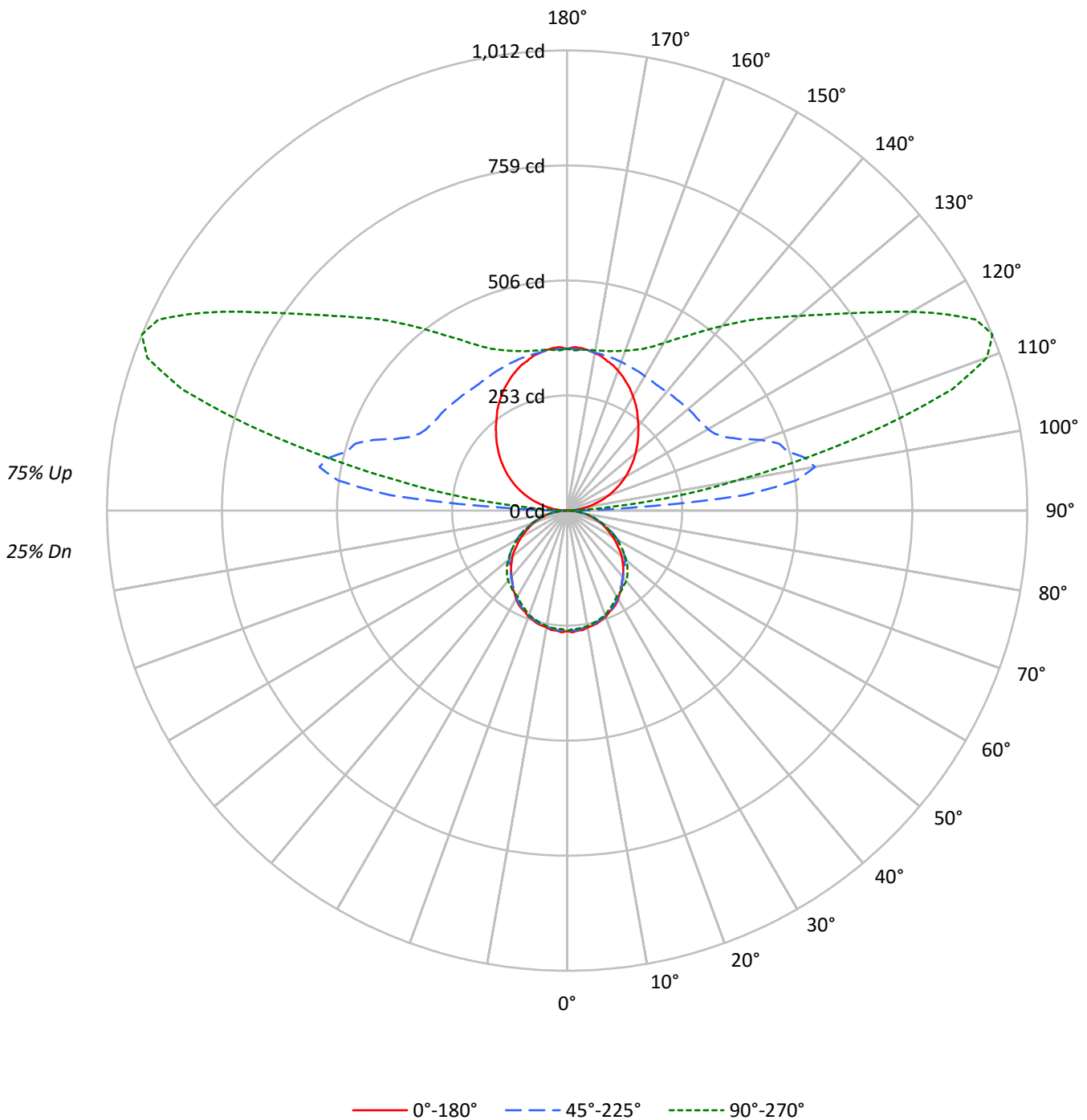
Input Watts (W): 22.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1711	1711	1711
5°	1718	1711	1691
10°	1711	1704	1691
15°	1717	1697	1683
20°	1709	1695	1681
25°	1692	1677	1649
30°	1672	1657	1626
35°	1647	1623	1663
40°	1607	1607	1701
45°	1592	1638	1712
50°	1577	1669	1700
55°	1527	1675	1664
60°	1501	1658	1620
65°	1464	1620	1572
70°	1463	1560	1560
75°	1425	1500	1500
80°	1402	1439	1439
85°	1282	1437	1282



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	0.8
10°-20°	71.5	2.3
20°-30°	107.9	3.5
30°-40°	129.7	4.2
40°-50°	138.5	4.5
50°-60°	128.7	4.1
60°-70°	101.7	3.3
70°-80°	63.4	2.0
80°-90°	20.8	0.7
90°-100°	179.5	5.8
100°-110°	476.1	15.3
110°-120°	480.3	15.5
120°-130°	371.2	12.0
130°-140°	292.1	9.4
140°-150°	223.1	7.2
150°-160°	160.7	5.2
160°-170°	99.3	3.2
170°-180°	33.8	1.1
0°-30°	204.4	6.6
0°-40°	334.1	10.8
0°-60°	601.3	19.4
0°-90°	787.3	25.4
90°-120°	1135.9	36.6
90°-150°	2022.3	65.2
90°-180°	2316.0	74.6
0°-180°	3103.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	265	265	265	265	265	
5°	265	263	264	262	261	25
15°	257	253	254	252	252	72
25°	238	234	235	232	231	109
35°	209	205	206	208	211	130
45°	174	172	179	186	188	134
55°	136	137	149	148	148	122
65°	96	102	106	104	103	95
75°	57	61	60	60	60	61
85°	17	18	19	18	17	19
90°	1	2	2	2	2	3
95°	19	66	390	161	107	21
105°	69	120	502	839	725	74
115°	122	154	382	850	993	121
125°	172	199	351	631	756	154
135°	220	240	344	515	596	170
145°	268	280	339	427	471	167
155°	310	314	344	376	392	143
165°	340	340	351	360	363	96
175°	359	354	355	355	355	34
180°	356	356	356	356	356	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	265.0	265.0	265.0	265.0	265.0
2.5°	268.1	263.0	264.0	263.0	260.9
5°	265.0	263.0	264.0	261.9	260.9
7.5°	265.0	261.9	260.9	259.9	259.9
10°	260.9	258.9	259.9	257.9	257.9
12.5°	258.9	255.8	257.9	255.8	254.8
15°	256.8	252.8	253.8	251.7	251.7
17.5°	251.7	249.7	249.7	247.7	247.7
20°	248.7	246.7	246.7	243.6	244.6
22.5°	241.6	240.5	241.6	237.5	237.5
25°	237.5	234.4	235.4	232.4	231.4
27.5°	232.4	228.3	229.3	226.3	225.2
30°	224.2	222.2	222.2	219.1	218.1
32.5°	215.1	213.0	213.0	211.0	215.1
35°	208.9	204.9	205.9	207.9	211.0
37.5°	197.7	197.7	198.7	203.8	205.9
40°	190.6	190.6	190.6	197.7	201.8
42.5°	182.4	181.4	184.5	192.6	195.7
45°	174.3	172.2	179.4	185.5	187.5
47.5°	165.1	164.1	172.2	178.4	179.4
50°	157.0	155.9	166.1	169.2	169.2
52.5°	146.8	146.8	158.0	159.0	159.0
55°	135.6	136.6	148.8	147.8	147.8
57.5°	126.4	127.4	139.6	137.6	136.6
60°	116.2	119.2	128.4	126.4	125.4
62.5°	106.0	110.1	117.2	115.2	115.2
65°	95.8	101.9	106.0	104.0	102.9
67.5°	86.6	92.7	93.8	92.7	91.7
70°	77.5	82.6	82.6	81.5	82.6
72.5°	67.3	72.4	71.3	71.3	71.3
75°	57.1	61.2	60.1	60.1	60.1
77.5°	47.9	49.9	49.9	48.9	48.9
80°	37.7	38.7	38.7	38.7	38.7
82.5°	27.5	28.5	28.5	28.5	27.5
85°	17.3	18.3	19.4	18.3	17.3
87.5°	9.2	10.2	10.2	9.2	8.2
90°	1.0	2.0	2.0	2.0	2.0
92.5°	10.2	40.8	138.6	32.6	23.4
95°	19.4	66.2	390.4	161.0	107.0
97.5°	31.6	81.5	508.6	323.1	240.5
100°	43.8	106.0	553.4	484.1	376.1
102.5°	57.1	118.2	536.1	670.7	541.2
105°	69.3	120.3	501.5	838.8	724.7
107.5°	82.6	122.3	489.2	923.4	887.7
110°	95.8	130.5	453.6	942.8	982.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	109.1	141.7	410.7	911.2	1012.1
115°	122.3	153.9	382.2	850.0	992.7
117.5°	134.5	165.1	365.9	781.7	935.7
120°	147.8	177.3	357.7	722.6	874.5
122.5°	160.0	188.6	353.7	671.7	811.3
125°	172.2	198.7	350.6	630.9	756.3
127.5°	184.5	208.9	349.6	597.3	707.3
130°	196.7	219.1	347.6	567.7	665.6
132.5°	207.9	230.3	345.5	540.2	628.9
135°	220.2	240.5	343.5	514.7	596.2
137.5°	231.4	249.7	342.5	489.2	562.6
140°	243.6	260.9	340.4	465.8	530.0
142.5°	254.8	272.1	339.4	445.4	499.4
145°	268.1	280.3	339.4	427.1	470.9
147.5°	279.3	289.5	340.4	409.7	447.4
150°	289.5	298.6	341.4	395.5	425.0
152.5°	300.7	305.8	343.5	384.2	406.7
155°	309.8	313.9	344.5	376.1	392.4
157.5°	319.0	322.1	346.5	370.0	382.2
160°	327.2	328.2	347.6	364.9	374.1
162.5°	335.3	334.3	349.6	362.8	367.9
165°	340.4	340.4	350.6	359.8	362.8
167.5°	347.6	344.5	351.6	357.7	359.8
170°	351.6	348.6	352.7	356.7	357.7
172.5°	355.7	351.6	354.7	355.7	356.7
175°	358.8	353.7	354.7	354.7	354.7
177.5°	359.8	355.7	355.7	354.7	352.7
180°	355.7	355.7	355.7	355.7	355.7

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