

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: P234640

Luminaire Tested: **CTA-F-7525-30L840-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234640
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-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
3000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT
Light Source: (672) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6206.9 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.38
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')
CIE Type: Semi-Indirect

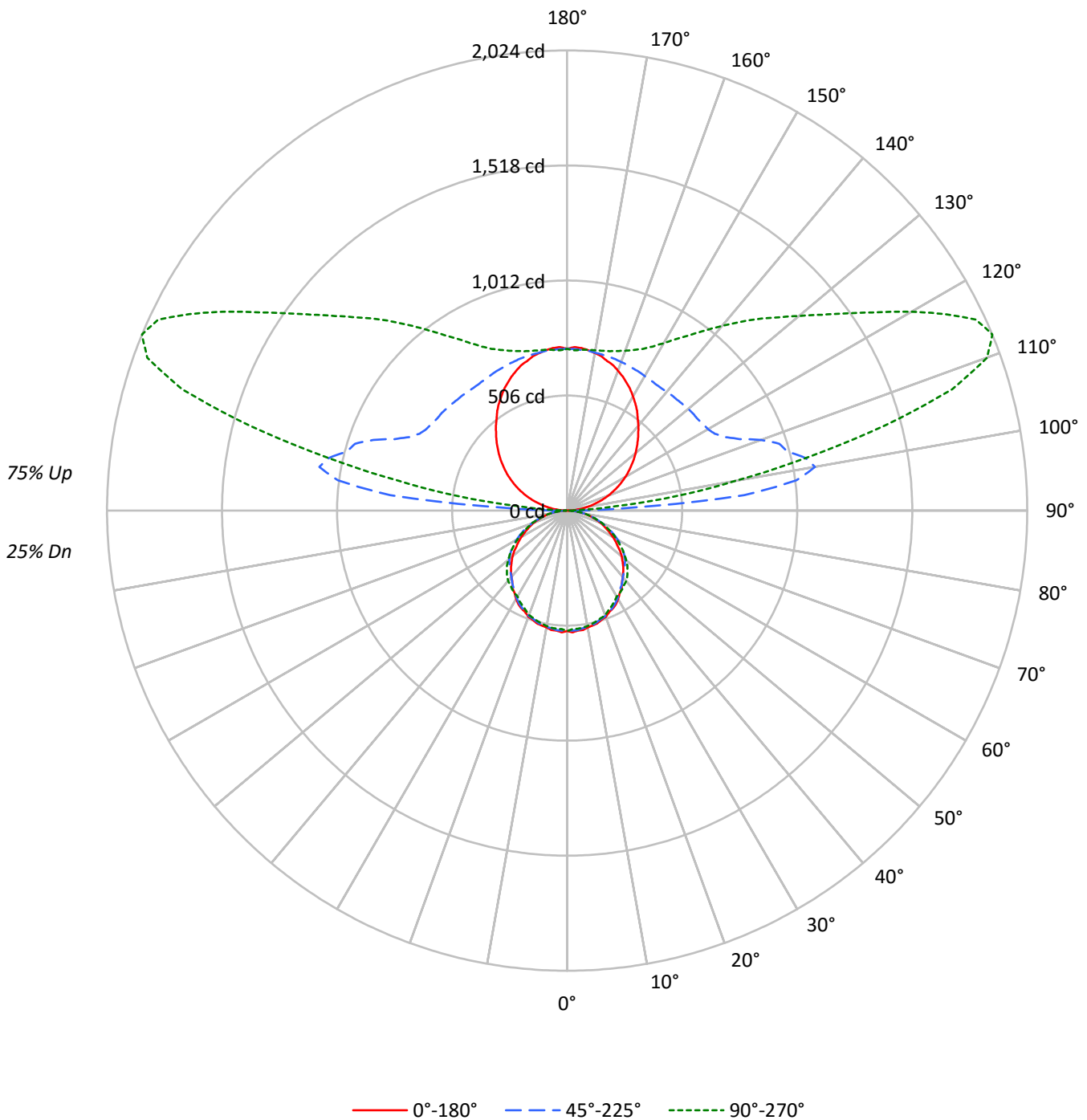
Input Watts (W): 47.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	1678	1648
30°	1672	1657	1626
35°	1647	1623	1663
40°	1607	1607	1701
45°	1592	1638	1713
50°	1577	1669	1700
55°	1526	1675	1664
60°	1501	1658	1619
65°	1464	1620	1573
70°	1462	1559	1559
75°	1425	1501	1501
80°	1402	1441	1441
85°	1286	1434	1286



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	0.8
10°-20°	142.9	2.3
20°-30°	215.9	3.5
30°-40°	259.5	4.2
40°-50°	276.9	4.5
50°-60°	257.5	4.1
60°-70°	203.4	3.3
70°-80°	126.9	2.0
80°-90°	41.6	0.7
90°-100°	359.0	5.8
100°-110°	952.2	15.3
110°-120°	960.5	15.5
120°-130°	742.5	12.0
130°-140°	584.3	9.4
140°-150°	446.1	7.2
150°-160°	321.3	5.2
160°-170°	198.6	3.2
170°-180°	67.7	1.1
0°-30°	408.8	6.6
0°-40°	668.3	10.8
0°-60°	1202.7	19.4
0°-90°	1574.6	25.4
90°-120°	2271.8	36.6
90°-150°	4044.6	65.2
90°-180°	4632.0	74.6
0°-180°	6206.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	530	530	530	530	530	
5°	530	526	528	524	522	50
15°	514	506	508	504	504	145
25°	475	469	471	465	463	219
35°	418	410	412	416	422	260
45°	349	344	359	371	375	269
55°	271	273	298	296	296	244
65°	192	204	212	208	206	191
75°	114	122	120	120	120	121
85°	35	37	39	37	35	37
90°	2	4	4	4	4	6
95°	39	132	781	322	214	42
105°	139	240	1003	1678	1449	147
115°	245	308	764	1700	1986	241
125°	344	398	701	1262	1512	308
135°	440	481	687	1029	1192	340
145°	536	561	679	854	942	335
155°	620	628	689	752	785	285
165°	681	681	701	720	726	192
175°	718	707	709	709	709	68
180°	711	711	711	711	711	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	530.0	530.0	530.0	530.0	530.0
2.5°	536.1	525.9	528.0	525.9	521.8
5°	530.0	525.9	528.0	523.9	521.8
7.5°	530.0	523.9	521.8	519.8	519.8
10°	521.8	517.8	519.8	515.7	515.7
12.5°	517.8	511.7	515.7	511.7	509.6
15°	513.7	505.5	507.6	503.5	503.5
17.5°	503.5	499.4	499.4	495.3	495.3
20°	497.4	493.3	493.3	487.2	489.2
22.5°	483.1	481.1	483.1	475.0	475.0
25°	475.0	468.8	470.9	464.8	462.7
27.5°	464.8	456.6	458.7	452.5	450.5
30°	448.5	444.4	444.4	438.3	436.2
32.5°	430.1	426.0	426.0	422.0	430.1
35°	417.9	409.7	411.8	415.8	422.0
37.5°	395.5	395.5	397.5	407.7	411.8
40°	381.2	381.2	381.2	395.5	403.6
42.5°	364.9	362.8	369.0	385.3	391.4
45°	348.6	344.5	358.8	371.0	375.1
47.5°	330.2	328.2	344.5	356.7	358.8
50°	313.9	311.9	332.3	338.4	338.4
52.5°	293.5	293.5	316.0	318.0	318.0
55°	271.1	273.2	297.6	295.6	295.6
57.5°	252.8	254.8	279.3	275.2	273.2
60°	232.4	238.5	256.8	252.8	250.7
62.5°	212.0	220.2	234.4	230.3	230.3
65°	191.6	203.8	212.0	207.9	205.9
67.5°	173.3	185.5	187.5	185.5	183.5
70°	154.9	165.1	165.1	163.1	165.1
72.5°	134.5	144.7	142.7	142.7	142.7
75°	114.2	122.3	120.3	120.3	120.3
77.5°	95.8	99.9	99.9	97.8	97.8
80°	75.4	77.5	77.5	77.5	77.5
82.5°	55.0	57.1	57.1	57.1	55.0
85°	34.7	36.7	38.7	36.7	34.7
87.5°	18.3	20.4	20.4	18.3	16.3
90°	2.0	4.1	4.1	4.1	4.1
92.5°	20.4	81.5	277.2	65.2	46.9
95°	38.7	132.5	780.7	322.1	214.0
97.5°	63.2	163.1	1017.2	646.2	481.1
100°	87.7	212.0	1106.9	968.3	752.2
102.5°	114.2	236.5	1072.2	1341.3	1082.4
105°	138.6	240.5	1002.9	1677.7	1449.3
107.5°	165.1	244.6	978.5	1846.8	1775.5
110°	191.6	260.9	907.1	1885.6	1965.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	218.1	283.3	821.5	1822.4	2024.2
115°	244.6	307.8	764.4	1700.1	1985.5
117.5°	269.1	330.2	731.8	1563.5	1871.3
120°	295.6	354.7	715.5	1445.3	1749.0
122.5°	320.0	377.1	707.3	1343.3	1622.6
125°	344.5	397.5	701.2	1261.8	1512.5
127.5°	369.0	417.9	699.2	1194.5	1414.7
130°	393.4	438.3	695.1	1135.4	1331.1
132.5°	415.8	460.7	691.0	1080.4	1257.7
135°	440.3	481.1	687.0	1029.4	1192.5
137.5°	462.7	499.4	684.9	978.5	1125.2
140°	487.2	521.8	680.8	931.6	1060.0
142.5°	509.6	544.3	678.8	890.8	998.8
145°	536.1	560.6	678.8	854.1	941.8
147.5°	558.5	578.9	680.8	819.5	894.9
150°	578.9	597.3	682.9	790.9	850.0
152.5°	601.3	611.5	687.0	768.5	813.3
155°	619.7	627.8	689.0	752.2	784.8
157.5°	638.0	644.2	693.1	740.0	764.4
160°	654.3	656.4	695.1	729.8	748.1
162.5°	670.7	668.6	699.2	725.7	735.9
165°	680.8	680.8	701.2	719.6	725.7
167.5°	695.1	689.0	703.3	715.5	719.6
170°	703.3	697.2	705.3	713.5	715.5
172.5°	711.4	703.3	709.4	711.4	713.5
175°	717.5	707.3	709.4	709.4	709.4
177.5°	719.6	711.4	711.4	709.4	705.3
180°	711.4	711.4	711.4	711.4	711.4

(END OF REPORT)