

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: P234664

Luminaire Tested: **CTA-F-7525-60L840-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-4)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-7525-60L840-UNV-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 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: 12338.2 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')
CIE Type: Semi-Indirect

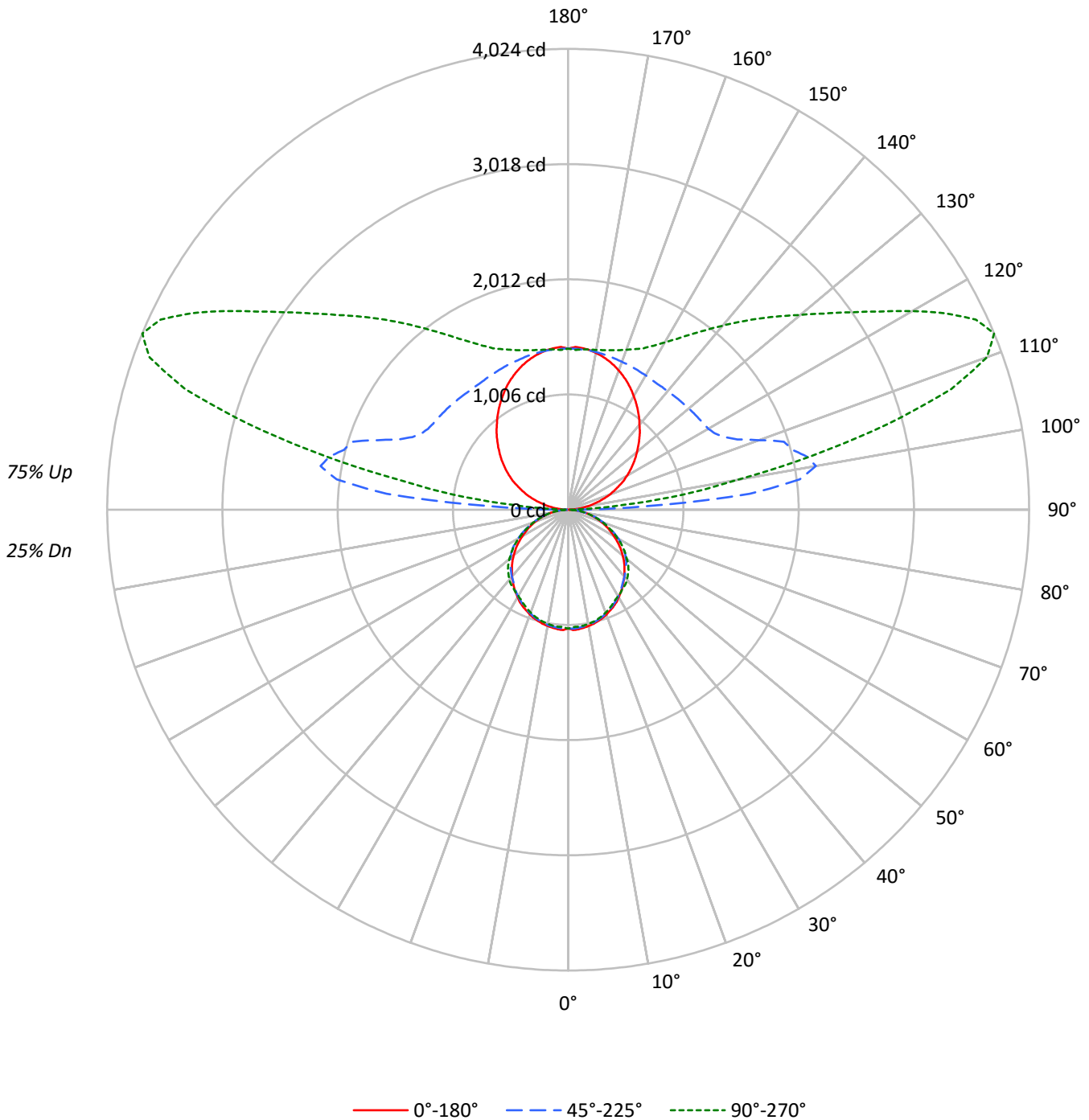
Input Watts (W): 88
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	33	33	33	25
1	92	88	84	81	82	78	75	72	60	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	39	36	34	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	10
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	38	31	26	29	25	21	22	18	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	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3350	3350	3350
5°	3396	3356	3323
10°	3382	3349	3322
15°	3366	3332	3312
20°	3348	3313	3285
25°	3326	3283	3253
30°	3291	3261	3245
35°	3254	3222	3295
40°	3214	3222	3368
45°	3174	3249	3397
50°	3123	3307	3359
55°	3064	3328	3305
60°	2975	3264	3199
65°	2928	3162	3115
70°	2867	3080	3021
75°	2823	2975	2899
80°	2730	2880	2767
85°	2567	2793	2641



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.3	0.8
10°-20°	281.3	2.3
20°-30°	424.7	3.4
30°-40°	515.9	4.2
40°-50°	550.8	4.5
50°-60°	510.6	4.1
60°-70°	400.1	3.2
70°-80°	249.5	2.0
80°-90°	83.7	0.7
90°-100°	747.2	6.1
100°-110°	1892.9	15.3
110°-120°	1902.0	15.4
120°-130°	1474.7	12.0
130°-140°	1159.7	9.4
140°-150°	883.7	7.2
150°-160°	636.2	5.2
160°-170°	393.2	3.2
170°-180°	133.9	1.1
0°-30°	804.3	6.5
0°-40°	1320.2	10.7
0°-60°	2381.6	19.3
0°-90°	3114.8	25.2
90°-120°	4542.1	36.8
90°-150°	8060.1	65.3
90°-180°	9223.0	74.8
0°-180°	12338.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1038	1038	1038	1038	1038	
5°	1048	1036	1036	1032	1025	99
15°	1007	997	997	995	991	284
25°	934	923	921	917	913	430
35°	826	815	817	830	836	516
45°	695	689	711	738	744	535
55°	544	544	591	587	587	485
65°	383	400	414	408	408	379
75°	226	240	238	236	232	238
85°	69	78	75	75	71	73
90°	6	8	10	8	6	12
95°	80	275	1592	750	485	85
105°	277	459	2024	3296	2888	293
115°	487	616	1500	3370	3926	484
125°	691	795	1390	2505	3005	617
135°	879	960	1362	2038	2360	678
145°	1060	1111	1345	1686	1867	663
155°	1225	1244	1364	1488	1555	564
165°	1350	1345	1388	1425	1441	380
175°	1417	1400	1404	1404	1404	134
180°	1406	1406	1406	1406	1406	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1037.6	1037.6	1037.6	1037.6	1037.6
2.5°	1051.8	1039.6	1039.6	1035.5	1025.3
5°	1047.8	1035.5	1035.5	1031.5	1025.3
7.5°	1039.6	1029.4	1029.4	1027.4	1021.3
10°	1031.5	1021.3	1021.3	1017.2	1013.1
12.5°	1021.3	1009.0	1011.1	1007.0	1002.9
15°	1007.0	996.8	996.8	994.8	990.7
17.5°	992.7	980.5	982.5	980.5	974.4
20°	974.4	964.2	964.2	960.1	956.0
22.5°	954.0	943.8	943.8	939.7	935.7
25°	933.6	923.4	921.4	917.3	913.2
27.5°	911.2	899.0	899.0	894.9	888.8
30°	882.7	874.5	874.5	868.4	870.4
32.5°	854.1	846.0	848.0	848.0	854.1
35°	825.6	815.4	817.4	829.7	835.8
37.5°	793.0	784.8	788.9	809.3	821.5
40°	762.4	754.2	764.4	790.9	799.1
42.5°	727.7	723.7	737.9	764.4	770.5
45°	695.1	689.0	711.4	737.9	744.0
47.5°	658.4	654.3	687.0	705.3	709.4
50°	621.7	619.7	658.4	670.7	668.6
52.5°	583.0	583.0	625.8	629.9	629.9
55°	544.3	544.3	591.2	587.1	587.1
57.5°	501.5	507.6	552.4	544.3	544.3
60°	460.7	466.8	505.5	495.3	495.3
62.5°	422.0	434.2	458.7	452.5	452.5
65°	383.2	399.5	413.8	407.7	407.7
67.5°	344.5	362.8	369.0	364.9	364.9
70°	303.7	324.1	326.2	322.1	320.0
72.5°	267.0	283.3	281.3	279.3	277.2
75°	226.3	240.5	238.5	236.5	232.4
77.5°	185.5	197.7	195.7	193.7	189.6
80°	146.8	154.9	154.9	152.9	148.8
82.5°	110.1	114.2	114.2	112.1	110.1
85°	69.3	77.5	75.4	75.4	71.3
87.5°	34.7	42.8	40.8	40.8	34.7
90°	6.1	8.2	10.2	8.2	6.1
92.5°	40.8	177.3	662.5	157.0	106.0
95°	79.5	275.2	1592.0	750.2	485.2
97.5°	124.3	330.2	2038.5	1343.3	1015.2
100°	173.3	430.1	2195.4	1975.3	1490.1
102.5°	224.2	452.5	2134.3	2709.1	2183.2
105°	277.2	458.7	2024.2	3296.2	2888.5
107.5°	330.2	466.8	1975.3	3650.9	3506.2
110°	383.2	511.7	1773.5	3740.6	3889.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	436.2	566.7	1600.2	3614.2	4023.9
115°	487.2	615.6	1500.3	3369.6	3926.1
117.5°	542.2	662.5	1443.2	3100.5	3714.1
120°	593.2	707.3	1412.7	2866.1	3467.4
122.5°	642.1	752.2	1398.4	2670.4	3218.7
125°	691.0	795.0	1390.2	2505.3	3004.7
127.5°	737.9	835.8	1382.1	2370.7	2813.1
130°	784.8	876.5	1376.0	2248.4	2645.9
132.5°	831.7	919.3	1367.8	2138.3	2499.2
135°	878.6	960.1	1361.7	2038.5	2360.5
137.5°	925.5	1000.9	1355.6	1940.6	2226.0
140°	968.3	1037.6	1349.5	1844.8	2097.6
142.5°	1015.2	1076.3	1349.5	1763.3	1977.3
145°	1060.0	1111.0	1345.4	1685.8	1867.2
147.5°	1102.8	1145.6	1349.5	1622.6	1769.4
150°	1145.6	1180.3	1353.5	1569.6	1685.8
152.5°	1186.4	1212.9	1357.6	1522.7	1614.5
155°	1225.1	1243.5	1363.7	1488.1	1555.3
157.5°	1259.8	1272.0	1369.8	1465.7	1516.6
160°	1292.4	1300.5	1373.9	1447.3	1486.0
162.5°	1323.0	1325.0	1380.0	1435.1	1459.5
165°	1349.5	1345.4	1388.2	1424.9	1441.2
167.5°	1371.9	1365.8	1392.3	1414.7	1426.9
170°	1390.2	1382.1	1398.4	1410.6	1416.7
172.5°	1406.5	1392.3	1402.5	1406.5	1410.6
175°	1416.7	1400.4	1404.5	1404.5	1404.5
177.5°	1422.8	1406.5	1406.5	1406.5	1396.3
180°	1406.5	1406.5	1406.5	1406.5	1406.5

(END OF REPORT)