

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: G2-1709-282-4

Luminaire Tested: **CTA-F-7525-60L835-UNV-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: 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-7525-60L835-UNV-4
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT
Light Source: (336) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6052.7 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Semi-Indirect

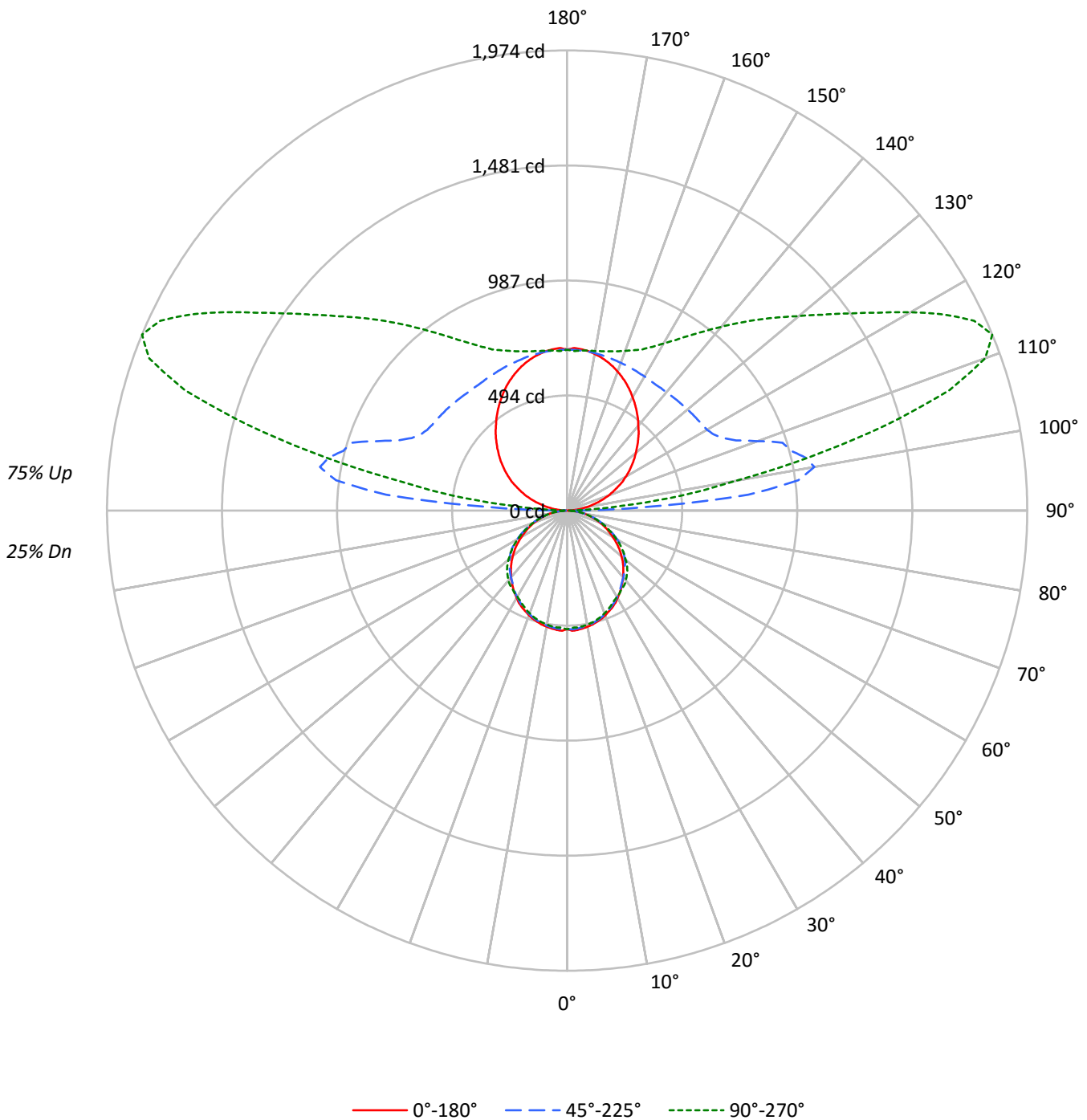
Input Watts (W): 45.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3287	3287	3287
5°	3332	3293	3261
10°	3318	3285	3259
15°	3303	3269	3249
20°	3285	3251	3223
25°	3263	3221	3192
30°	3229	3199	3184
35°	3193	3161	3232
40°	3153	3161	3305
45°	3114	3187	3333
50°	3064	3245	3295
55°	3006	3265	3243
60°	2919	3203	3139
65°	2873	3102	3056
70°	2813	3021	2964
75°	2770	2919	2844
80°	2678	2826	2715
85°	2519	2742	2593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	0.8
10°-20°	138.0	2.3
20°-30°	208.4	3.4
30°-40°	253.1	4.2
40°-50°	270.2	4.5
50°-60°	250.5	4.1
60°-70°	196.3	3.2
70°-80°	122.4	2.0
80°-90°	41.0	0.7
90°-100°	366.5	6.1
100°-110°	928.6	15.3
110°-120°	933.1	15.4
120°-130°	723.4	12.0
130°-140°	568.9	9.4
140°-150°	433.5	7.2
150°-160°	312.1	5.2
160°-170°	192.9	3.2
170°-180°	65.7	1.1
0°-30°	394.6	6.5
0°-40°	647.7	10.7
0°-60°	1168.3	19.3
0°-90°	1528.0	25.2
90°-120°	2228.2	36.8
90°-150°	3954.0	65.3
90°-180°	4525.0	74.8
0°-180°	6052.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	509	509	509	509	509	
5°	514	508	508	506	503	49
15°	494	489	489	488	486	139
25°	458	453	452	450	448	211
35°	405	400	401	407	410	253
45°	341	338	349	362	365	263
55°	267	267	290	288	288	238
65°	188	196	203	200	200	186
75°	111	118	117	116	114	117
85°	34	38	37	37	35	36
90°	3	4	5	4	3	6
95°	39	135	781	368	238	41
105°	136	225	993	1617	1417	144
115°	239	302	736	1653	1926	237
125°	339	390	682	1229	1474	303
135°	431	471	668	1000	1158	333
145°	520	545	660	827	916	325
155°	601	610	669	730	763	277
165°	662	660	681	699	707	187
175°	695	687	689	689	689	66
180°	690	690	690	690	690	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	509	509	509	509	509
2.5°	516	510	510	508	503
5°	514	508	508	506	503
7.5°	510	505	505	504	501
10°	506	501	501	499	497
12.5°	501	495	496	494	492
15°	494	489	489	488	486
17.5°	487	481	482	481	478
20°	478	473	473	471	469
22.5°	468	463	463	461	459
25°	458	453	452	450	448
27.5°	447	441	441	439	436
30°	433	429	429	426	427
32.5°	419	415	416	416	419
35°	405	400	401	407	410
37.5°	389	385	387	397	403
40°	374	370	375	388	392
42.5°	357	355	362	375	378
45°	341	338	349	362	365
47.5°	323	321	337	346	348
50°	305	304	323	329	328
52.5°	286	286	307	309	309
55°	267	267	290	288	288
57.5°	246	249	271	267	267
60°	226	229	248	243	243
62.5°	207	213	225	222	222
65°	188	196	203	200	200
67.5°	169	178	181	179	179
70°	149	159	160	158	157
72.5°	131	139	138	137	136
75°	111	118	117	116	114
77.5°	91	97	96	95	93
80°	72	76	76	75	73
82.5°	54	56	56	55	54
85°	34	38	37	37	35
87.5°	17	21	20	20	17
90°	3	4	5	4	3
92.5°	20	87	325	77	52
95°	39	135	781	368	238
97.5°	61	162	1000	659	498
100°	85	211	1077	969	731
102.5°	110	222	1047	1329	1071
105°	136	225	993	1617	1417
107.5°	162	229	969	1791	1720
110°	188	251	870	1835	1908



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	214	278	785	1773	1974
115°	239	302	736	1653	1926
117.5°	266	325	708	1521	1822
120°	291	347	693	1406	1701
122.5°	315	369	686	1310	1579
125°	339	390	682	1229	1474
127.5°	362	410	678	1163	1380
130°	385	430	675	1103	1298
132.5°	408	451	671	1049	1226
135°	431	471	668	1000	1158
137.5°	454	491	665	952	1092
140°	475	509	662	905	1029
142.5°	498	528	662	865	970
145°	520	545	660	827	916
147.5°	541	562	662	796	868
150°	562	579	664	770	827
152.5°	582	595	666	747	792
155°	601	610	669	730	763
157.5°	618	624	672	719	744
160°	634	638	674	710	729
162.5°	649	650	677	704	716
165°	662	660	681	699	707
167.5°	673	670	683	694	700
170°	682	678	686	692	695
172.5°	690	683	688	690	692
175°	695	687	689	689	689
177.5°	698	690	690	690	685
180°	690	690	690	690	690

(END OF REPORT)