

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: P234663

Luminaire Tested: **CTA-F-7525-60L835-UNV-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234663  
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-7525-60L835-UNV-8  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
6000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT  
Light Source: (672) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12105.4 lumens  
Efficiency: N/A  
Efficacy: 137.6 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

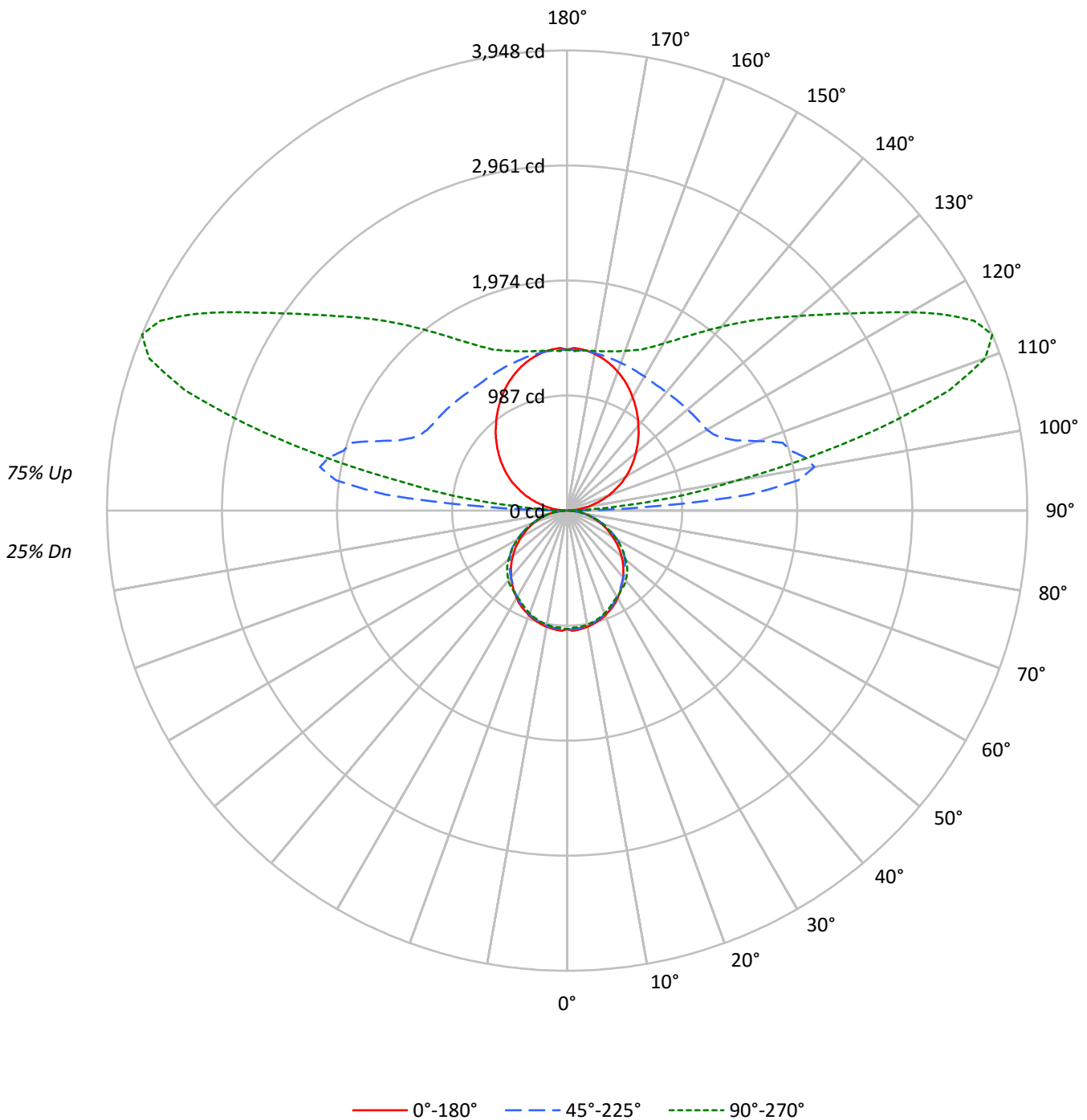
Input Watts (W): 88  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P234663

CATALOG NUMBER: CTA-F-7525-60L835-UNV-8

### Luminous Intensity Polar Plot





TEST NUMBER: P234663

CATALOG NUMBER: CTA-F-7525-60L835-UNV-8

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	50	30	10	0
RCR																					
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	33	33	33	25			25
1	92	88	84	81	82	78	75	72	60	58	56	44	43	42	29	28	28	21			21
2	84	76	70	65	74	68	63	59	53	49	46	39	36	34	25	24	23	17			17
3	76	67	60	54	67	60	54	49	46	42	39	34	31	29	22	21	19	14			14
4	69	59	51	46	62	53	46	41	41	36	33	30	27	25	20	18	17	12			12
5	64	52	44	39	56	47	40	35	36	32	28	27	24	21	18	16	14	10			10
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	12	9			9
7	54	42	34	29	48	38	31	26	29	25	21	22	18	16	15	13	11	8			8
8	50	38	30	25	44	34	28	23	27	22	19	20	17	14	13	11	10	7			7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6			6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6			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



TEST NUMBER: P234663

CATALOG NUMBER: CTA-F-7525-60L835-UNV-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.5	0.8
10°-20°	275.9	2.3
20°-30°	416.7	3.4
30°-40°	506.2	4.2
40°-50°	540.4	4.5
50°-60°	500.9	4.1
60°-70°	392.5	3.2
70°-80°	244.8	2.0
80°-90°	82.1	0.7
90°-100°	733.1	6.1
100°-110°	1857.2	15.3
110°-120°	1866.1	15.4
120°-130°	1446.9	12.0
130°-140°	1137.8	9.4
140°-150°	867.0	7.2
150°-160°	624.2	5.2
160°-170°	385.8	3.2
170°-180°	131.4	1.1
0°-30°	789.2	6.5
0°-40°	1295.3	10.7
0°-60°	2336.6	19.3
0°-90°	3056.0	25.2
90°-120°	4456.4	36.8
90°-150°	7908.0	65.3
90°-180°	9049.0	74.8
0°-180°	12105.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1028	1016	1016	1012	1006	98
15°	988	978	978	976	972	279
25°	916	906	904	900	896	422
35°	810	800	802	814	820	506
45°	682	676	698	724	730	525
55°	534	534	580	576	576	476
65°	376	392	406	400	400	372
75°	222	236	234	232	228	234
85°	68	76	74	74	70	72
90°	6	8	10	8	6	12
95°	78	270	1562	736	476	83
105°	272	450	1986	3234	2834	287
115°	478	604	1472	3306	3852	474
125°	678	780	1364	2458	2948	606
135°	862	942	1336	2000	2316	665
145°	1040	1090	1320	1654	1832	650
155°	1202	1220	1338	1460	1526	553
165°	1324	1320	1362	1398	1414	373
175°	1390	1374	1378	1378	1378	132
180°	1380	1380	1380	1380	1380	



TEST NUMBER: P234663

CATALOG NUMBER: CTA-F-7525-60L835-UNV-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1018	1018	1018	1018	1018
2.5°	1032	1020	1020	1016	1006
5°	1028	1016	1016	1012	1006
7.5°	1020	1010	1010	1008	1002
10°	1012	1002	1002	998	994
12.5°	1002	990	992	988	984
15°	988	978	978	976	972
17.5°	974	962	964	962	956
20°	956	946	946	942	938
22.5°	936	926	926	922	918
25°	916	906	904	900	896
27.5°	894	882	882	878	872
30°	866	858	858	852	854
32.5°	838	830	832	832	838
35°	810	800	802	814	820
37.5°	778	770	774	794	806
40°	748	740	750	776	784
42.5°	714	710	724	750	756
45°	682	676	698	724	730
47.5°	646	642	674	692	696
50°	610	608	646	658	656
52.5°	572	572	614	618	618
55°	534	534	580	576	576
57.5°	492	498	542	534	534
60°	452	458	496	486	486
62.5°	414	426	450	444	444
65°	376	392	406	400	400
67.5°	338	356	362	358	358
70°	298	318	320	316	314
72.5°	262	278	276	274	272
75°	222	236	234	232	228
77.5°	182	194	192	190	186
80°	144	152	152	150	146
82.5°	108	112	112	110	108
85°	68	76	74	74	70
87.5°	34	42	40	40	34
90°	6	8	10	8	6
92.5°	40	174	650	154	104
95°	78	270	1562	736	476
97.5°	122	324	2000	1318	996
100°	170	422	2154	1938	1462
102.5°	220	444	2094	2658	2142
105°	272	450	1986	3234	2834
107.5°	324	458	1938	3582	3440
110°	376	502	1740	3670	3816



TEST NUMBER: P234663

CATALOG NUMBER: CTA-F-7525-60L835-UNV-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	428	556	1570	3546	3948
115°	478	604	1472	3306	3852
117.5°	532	650	1416	3042	3644
120°	582	694	1386	2812	3402
122.5°	630	738	1372	2620	3158
125°	678	780	1364	2458	2948
127.5°	724	820	1356	2326	2760
130°	770	860	1350	2206	2596
132.5°	816	902	1342	2098	2452
135°	862	942	1336	2000	2316
137.5°	908	982	1330	1904	2184
140°	950	1018	1324	1810	2058
142.5°	996	1056	1324	1730	1940
145°	1040	1090	1320	1654	1832
147.5°	1082	1124	1324	1592	1736
150°	1124	1158	1328	1540	1654
152.5°	1164	1190	1332	1494	1584
155°	1202	1220	1338	1460	1526
157.5°	1236	1248	1344	1438	1488
160°	1268	1276	1348	1420	1458
162.5°	1298	1300	1354	1408	1432
165°	1324	1320	1362	1398	1414
167.5°	1346	1340	1366	1388	1400
170°	1364	1356	1372	1384	1390
172.5°	1380	1366	1376	1380	1384
175°	1390	1374	1378	1378	1378
177.5°	1396	1380	1380	1380	1370
180°	1380	1380	1380	1380	1380

(END OF REPORT)