

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: P234650

Luminaire Tested: **CTA-F-7525-40L835-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-2)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-7525-40L835-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
4000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT
Light Source: (1008) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11979.9 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')
CIE Type: Semi-Indirect

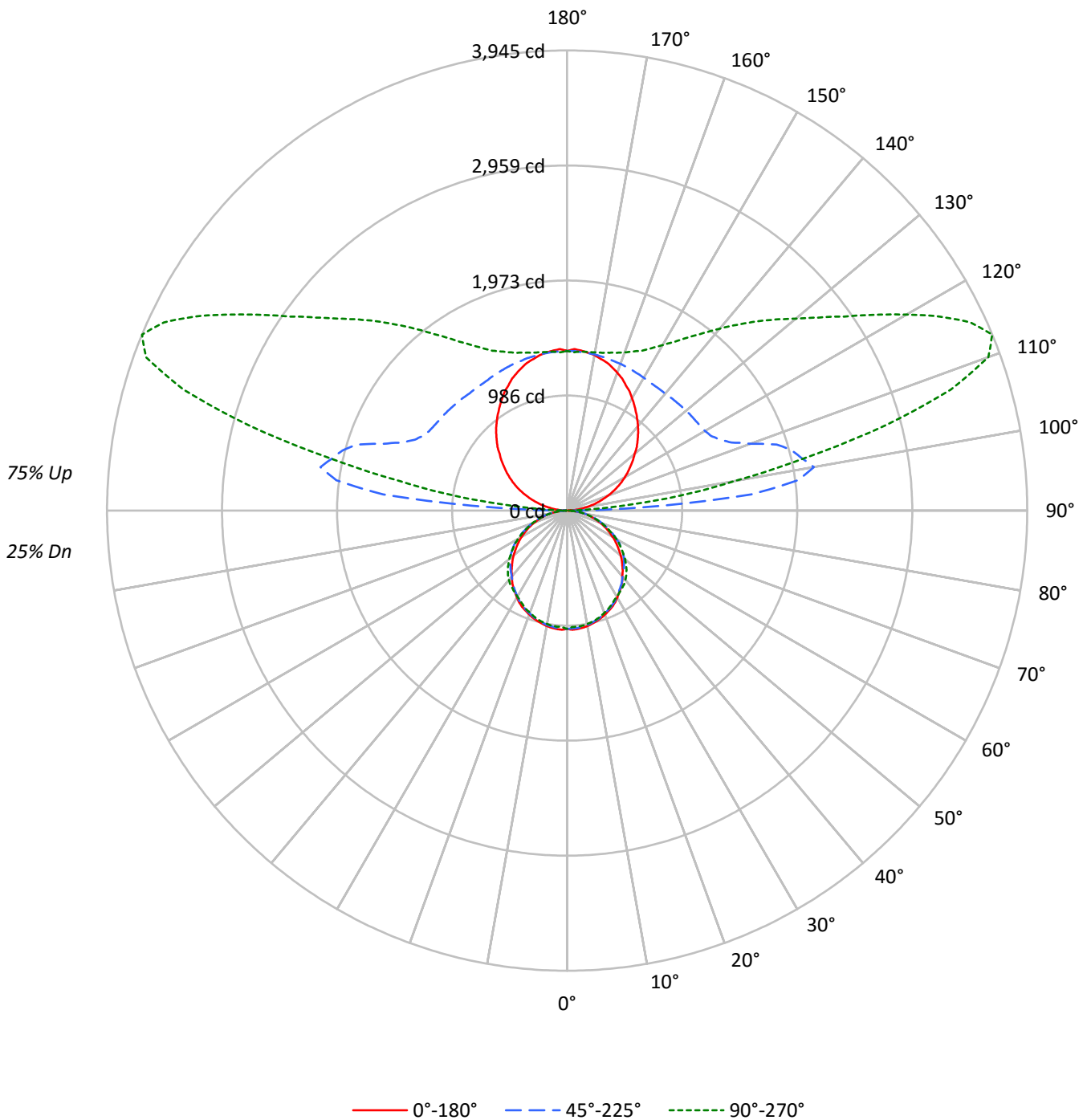
Input Watts (W): 83
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	80	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	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	45	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	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2183	2183	2183
5°	2204	2185	2159
10°	2197	2177	2157
15°	2186	2166	2153
20°	2172	2151	2137
25°	2166	2138	2123
30°	2140	2118	2118
35°	2113	2097	2144
40°	2065	2074	2183
45°	2037	2091	2192
50°	2009	2130	2170
55°	1970	2139	2128
60°	1937	2105	2092
65°	1910	2063	2032
70°	1869	2001	1983
75°	1821	1946	1921
80°	1785	1897	1859
85°	1630	1852	1704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	0.8
10°-20°	274.0	2.3
20°-30°	414.5	3.5
30°-40°	502.8	4.2
40°-50°	532.8	4.4
50°-60°	493.8	4.1
60°-70°	390.9	3.3
70°-80°	244.3	2.0
80°-90°	82.9	0.7
90°-100°	726.7	6.1
100°-110°	1843.4	15.4
110°-120°	1840.5	15.4
120°-130°	1424.5	11.9
130°-140°	1125.1	9.4
140°-150°	857.4	7.2
150°-160°	618.1	5.2
160°-170°	382.2	3.2
170°-180°	130.2	1.1
0°-30°	784.3	6.5
0°-40°	1287.1	10.7
0°-60°	2313.6	19.3
0°-90°	3031.8	25.3
90°-120°	4410.5	36.8
90°-150°	7817.5	65.3
90°-180°	8948.0	74.7
0°-180°	11979.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1014	1014	1014	1014	1014	
5°	1020	1008	1011	1005	999	97
15°	981	969	972	969	966	277
25°	912	900	900	897	894	419
35°	804	798	798	810	816	502
45°	669	666	687	714	720	517
55°	525	525	570	567	567	470
65°	375	390	405	399	399	371
75°	219	234	234	231	231	232
85°	66	75	75	75	69	72
90°	6	9	9	9	6	12
95°	75	273	1584	723	465	81
105°	270	432	1995	3246	2832	285
115°	474	591	1440	3255	3816	468
125°	663	768	1344	2415	2901	594
135°	855	933	1320	1977	2292	659
145°	1029	1080	1308	1635	1812	644
155°	1188	1209	1326	1443	1512	548
165°	1314	1308	1350	1386	1401	370
175°	1377	1362	1365	1365	1368	131
180°	1368	1368	1368	1368	1368	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1014	1014	1014	1014	1014
2.5°	1023	1011	1011	1008	999
5°	1020	1008	1011	1005	999
7.5°	1014	1002	1002	999	996
10°	1005	996	996	993	987
12.5°	993	984	984	981	978
15°	981	969	972	969	966
17.5°	966	954	957	954	951
20°	948	939	939	936	933
22.5°	930	921	921	918	915
25°	912	900	900	897	894
27.5°	888	876	879	873	870
30°	861	852	852	846	852
32.5°	831	825	825	828	834
35°	804	798	798	810	816
37.5°	774	765	771	789	801
40°	735	729	738	768	777
42.5°	705	699	714	744	750
45°	669	666	687	714	720
47.5°	636	633	663	684	684
50°	600	597	636	648	648
52.5°	561	561	606	609	606
55°	525	525	570	567	567
57.5°	489	492	534	525	528
60°	450	459	489	483	486
62.5°	414	426	447	441	441
65°	375	390	405	399	399
67.5°	336	354	360	357	357
70°	297	318	318	315	315
72.5°	258	276	276	273	273
75°	219	234	234	231	231
77.5°	183	192	192	192	189
80°	144	150	153	150	150
82.5°	108	111	114	114	108
85°	66	75	75	75	69
87.5°	36	42	42	42	36
90°	6	9	9	9	6
92.5°	36	177	627	168	102
95°	75	273	1584	723	465
97.5°	120	324	1995	1275	975
100°	168	411	2148	1896	1458
102.5°	219	429	2064	2622	2097
105°	270	432	1995	3246	2832
107.5°	321	447	1884	3597	3450
110°	372	492	1674	3678	3843



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	423	543	1524	3516	3945
115°	474	591	1440	3255	3816
117.5°	522	636	1389	2988	3603
120°	570	681	1365	2760	3360
122.5°	618	723	1353	2571	3123
125°	663	768	1344	2415	2901
127.5°	711	810	1338	2292	2718
130°	756	852	1332	2178	2559
132.5°	810	894	1326	2076	2424
135°	855	933	1320	1977	2292
137.5°	900	972	1314	1881	2160
140°	945	1008	1308	1788	2037
142.5°	987	1044	1308	1707	1917
145°	1029	1080	1308	1635	1812
147.5°	1071	1116	1308	1572	1716
150°	1113	1146	1314	1521	1638
152.5°	1155	1179	1320	1476	1569
155°	1188	1209	1326	1443	1512
157.5°	1227	1239	1332	1422	1476
160°	1257	1266	1338	1407	1443
162.5°	1287	1287	1341	1395	1419
165°	1314	1308	1350	1386	1401
167.5°	1332	1326	1353	1374	1386
170°	1353	1344	1359	1371	1377
172.5°	1365	1353	1362	1368	1371
175°	1377	1362	1365	1365	1368
177.5°	1386	1368	1368	1368	1359
180°	1368	1368	1368	1368	1368

(END OF REPORT)