

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: P234642

Luminaire Tested: **CTA-F-7525-30L835-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234642
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-7525-30L835-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
3000 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: 9134.7 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.38
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')
CIE Type: Semi-Indirect

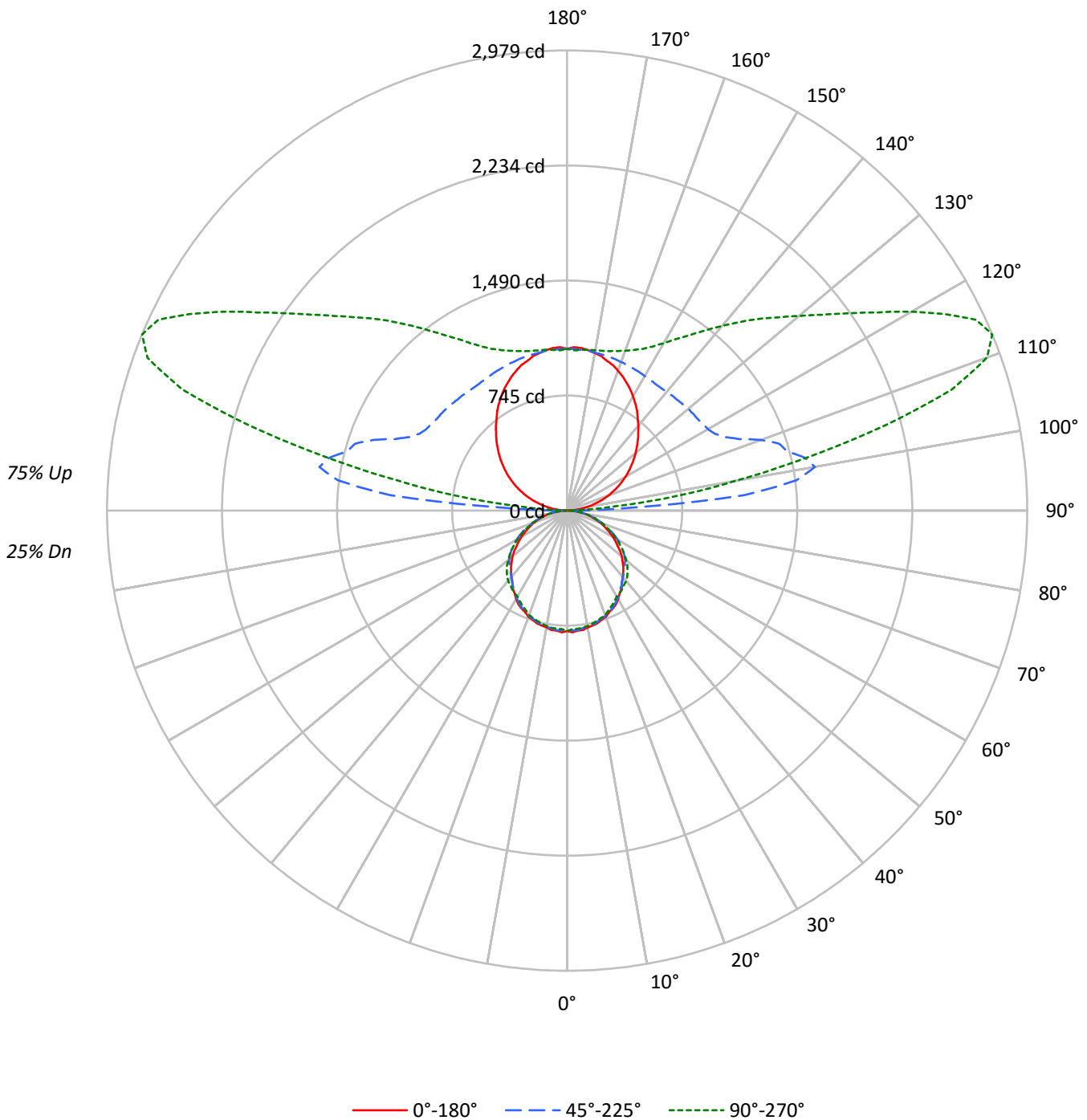
Input Watts (W): 69.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1679	1679	1679
5°	1685	1679	1660
10°	1679	1672	1659
15°	1685	1665	1651
20°	1677	1663	1649
25°	1660	1646	1617
30°	1641	1626	1596
35°	1616	1592	1632
40°	1576	1576	1669
45°	1562	1607	1680
50°	1547	1638	1668
55°	1497	1644	1633
60°	1472	1627	1589
65°	1436	1589	1543
70°	1435	1529	1529
75°	1397	1472	1472
80°	1376	1413	1413
85°	1260	1408	1260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	0.8
10°-20°	210.4	2.3
20°-30°	317.7	3.5
30°-40°	381.9	4.2
40°-50°	407.6	4.5
50°-60°	379.0	4.1
60°-70°	299.3	3.3
70°-80°	186.8	2.0
80°-90°	61.2	0.7
90°-100°	528.4	5.8
100°-110°	1401.4	15.3
110°-120°	1413.6	15.5
120°-130°	1092.7	12.0
130°-140°	859.9	9.4
140°-150°	656.6	7.2
150°-160°	472.9	5.2
160°-170°	292.3	3.2
170°-180°	99.6	1.1
0°-30°	601.6	6.6
0°-40°	983.5	10.8
0°-60°	1770.0	19.4
0°-90°	2317.3	25.4
90°-120°	3343.4	36.6
90°-150°	5952.5	65.2
90°-180°	6817.0	74.6
0°-180°	9134.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	780	780	780	780	780	
5°	780	774	777	771	768	74
15°	756	744	747	741	741	213
25°	699	690	693	684	681	322
35°	615	603	606	612	621	382
45°	513	507	528	546	552	395
55°	399	402	438	435	435	359
65°	282	300	312	306	303	281
75°	168	180	177	177	177	178
85°	51	54	57	54	51	55
90°	3	6	6	6	6	9
95°	57	195	1149	474	315	62
105°	204	354	1476	2469	2133	216
115°	360	453	1125	2502	2922	355
125°	507	585	1032	1857	2226	454
135°	648	708	1011	1515	1755	500
145°	789	825	999	1257	1386	492
155°	912	924	1014	1107	1155	420
165°	1002	1002	1032	1059	1068	283
175°	1056	1041	1044	1044	1044	100
180°	1047	1047	1047	1047	1047	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	780	780	780	780	780
2.5°	789	774	777	774	768
5°	780	774	777	771	768
7.5°	780	771	768	765	765
10°	768	762	765	759	759
12.5°	762	753	759	753	750
15°	756	744	747	741	741
17.5°	741	735	735	729	729
20°	732	726	726	717	720
22.5°	711	708	711	699	699
25°	699	690	693	684	681
27.5°	684	672	675	666	663
30°	660	654	654	645	642
32.5°	633	627	627	621	633
35°	615	603	606	612	621
37.5°	582	582	585	600	606
40°	561	561	561	582	594
42.5°	537	534	543	567	576
45°	513	507	528	546	552
47.5°	486	483	507	525	528
50°	462	459	489	498	498
52.5°	432	432	465	468	468
55°	399	402	438	435	435
57.5°	372	375	411	405	402
60°	342	351	378	372	369
62.5°	312	324	345	339	339
65°	282	300	312	306	303
67.5°	255	273	276	273	270
70°	228	243	243	240	243
72.5°	198	213	210	210	210
75°	168	180	177	177	177
77.5°	141	147	147	144	144
80°	111	114	114	114	114
82.5°	81	84	84	84	81
85°	51	54	57	54	51
87.5°	27	30	30	27	24
90°	3	6	6	6	6
92.5°	30	120	408	96	69
95°	57	195	1149	474	315
97.5°	93	240	1497	951	708
100°	129	312	1629	1425	1107
102.5°	168	348	1578	1974	1593
105°	204	354	1476	2469	2133
107.5°	243	360	1440	2718	2613
110°	282	384	1335	2775	2892



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	321	417	1209	2682	2979
115°	360	453	1125	2502	2922
117.5°	396	486	1077	2301	2754
120°	435	522	1053	2127	2574
122.5°	471	555	1041	1977	2388
125°	507	585	1032	1857	2226
127.5°	543	615	1029	1758	2082
130°	579	645	1023	1671	1959
132.5°	612	678	1017	1590	1851
135°	648	708	1011	1515	1755
137.5°	681	735	1008	1440	1656
140°	717	768	1002	1371	1560
142.5°	750	801	999	1311	1470
145°	789	825	999	1257	1386
147.5°	822	852	1002	1206	1317
150°	852	879	1005	1164	1251
152.5°	885	900	1011	1131	1197
155°	912	924	1014	1107	1155
157.5°	939	948	1020	1089	1125
160°	963	966	1023	1074	1101
162.5°	987	984	1029	1068	1083
165°	1002	1002	1032	1059	1068
167.5°	1023	1014	1035	1053	1059
170°	1035	1026	1038	1050	1053
172.5°	1047	1035	1044	1047	1050
175°	1056	1041	1044	1044	1044
177.5°	1059	1047	1047	1044	1038
180°	1047	1047	1047	1047	1047

(END OF REPORT)