

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: P234594

Luminaire Tested: **CTA-F-2575-60L835-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-14)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-2575-60L835-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (1008) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18308.2 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')
CIE Type: Semi-Direct

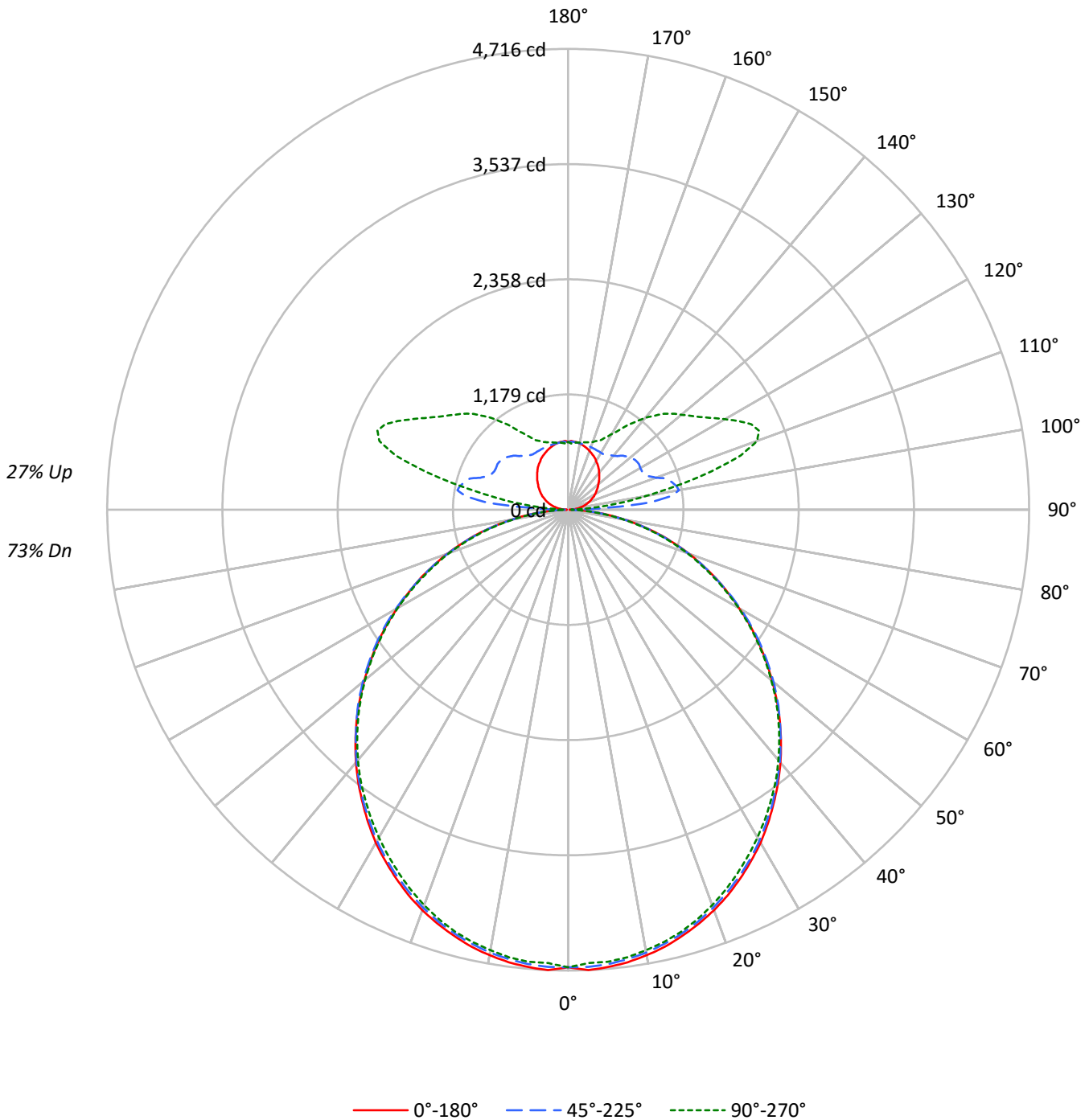
Input Watts (W): 177
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	103	98	94	90	97	93	89	86	84	81	78	75	73	71	67	66	64	60
2	93	85	79	73	88	81	75	70	73	68	64	66	62	59	59	56	54	50
3	85	75	67	61	80	71	64	58	64	59	54	58	53	50	52	48	45	42
4	78	66	58	51	73	63	55	49	57	51	46	51	46	42	46	42	39	36
5	71	59	50	44	67	56	48	42	51	44	39	46	41	37	42	37	34	31
6	66	53	44	38	62	50	43	37	46	39	34	42	36	32	38	33	30	27
7	61	48	39	33	57	46	38	32	42	35	30	38	32	28	34	30	26	24
8	56	43	35	30	53	42	34	29	38	32	27	35	29	25	32	27	24	21
9	53	40	32	27	50	38	31	26	35	29	24	32	27	23	29	25	21	19
10	49	37	29	24	47	35	28	23	32	26	22	30	24	21	27	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10081	10081	10081
5°	10152	10087	10035
10°	10118	10059	10007
15°	10062	10008	9962
20°	9992	9930	9869
25°	9890	9833	9740
30°	9783	9724	9627
35°	9634	9594	9515
40°	9492	9467	9400
45°	9325	9325	9261
50°	9122	9183	9082
55°	8928	9007	8883
60°	8705	8783	8666
65°	8511	8496	8389
70°	8270	8213	8138
75°	7934	7835	7710
80°	7289	7252	7029
85°	6372	6076	5557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.9	2.4
10°-20°	1264.9	6.9
20°-30°	1902.9	10.4
30°-40°	2277.9	12.4
40°-50°	2354.7	12.9
50°-60°	2130.4	11.6
60°-70°	1650.3	9.0
70°-80°	994.1	5.4
80°-90°	287.7	1.6
90°-100°	410.0	2.2
100°-110°	1018.7	5.6
110°-120°	1038.4	5.7
120°-130°	832.8	4.5
130°-140°	655.3	3.6
140°-150°	467.9	2.6
150°-160°	318.5	1.7
160°-170°	194.6	1.1
170°-180°	66.1	0.4
0°-30°	3610.7	19.7
0°-40°	5888.6	32.2
0°-60°	10373.8	56.7
0°-90°	13306.0	72.7
90°-120°	2467.1	13.5
90°-150°	4423.0	24.2
90°-180°	5002.0	27.3
0°-180°	18308.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4683	4683	4683	4683	4683	
5°	4698	4653	4668	4656	4644	446
15°	4515	4473	4491	4482	4470	1274
25°	4164	4125	4140	4116	4101	1919
35°	3666	3636	3651	3633	3621	2294
45°	3063	3048	3063	3051	3042	2361
55°	2379	2379	2400	2379	2367	2127
65°	1671	1677	1668	1659	1647	1652
75°	954	951	942	930	927	1004
85°	258	258	246	234	225	279
90°	15	36	36	36	33	25
95°	60	180	834	405	279	65
105°	174	306	1095	1734	1518	184
115°	270	393	864	1767	2067	269
125°	360	429	858	1407	1653	323
135°	450	489	783	1200	1389	346
145°	537	561	681	921	1053	335
155°	609	618	675	747	783	281
165°	666	666	684	708	714	188
175°	699	693	696	696	687	66
180°	693	693	693	693	693	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4683	4683	4683	4683	4683
2.5°	4716	4668	4683	4674	4644
5°	4698	4653	4668	4656	4644
7.5°	4671	4626	4641	4629	4620
10°	4629	4587	4602	4590	4578
12.5°	4581	4533	4551	4536	4530
15°	4515	4473	4491	4482	4470
17.5°	4443	4401	4419	4413	4395
20°	4362	4320	4335	4320	4308
22.5°	4269	4230	4242	4221	4209
25°	4164	4125	4140	4116	4101
27.5°	4053	4017	4032	4008	3990
30°	3936	3897	3912	3885	3873
32.5°	3804	3771	3783	3765	3750
35°	3666	3636	3651	3633	3621
37.5°	3525	3498	3510	3495	3489
40°	3378	3351	3369	3354	3345
42.5°	3222	3201	3216	3207	3195
45°	3063	3048	3063	3051	3042
47.5°	2895	2886	2907	2889	2880
50°	2724	2721	2742	2724	2712
52.5°	2553	2553	2571	2553	2541
55°	2379	2379	2400	2379	2367
57.5°	2205	2211	2223	2202	2193
60°	2022	2037	2040	2022	2013
62.5°	1845	1857	1854	1842	1830
65°	1671	1677	1668	1659	1647
67.5°	1491	1500	1488	1482	1467
70°	1314	1320	1305	1299	1293
72.5°	1131	1131	1125	1116	1110
75°	954	951	942	930	927
77.5°	771	771	768	750	744
80°	588	588	585	573	567
82.5°	420	420	408	405	399
85°	258	258	246	234	225
87.5°	111	105	96	84	81
90°	15	36	36	36	33
92.5°	45	123	327	117	87
95°	60	180	834	405	279
97.5°	96	216	1053	696	543
100°	123	270	1152	1023	804
102.5°	150	291	1131	1398	1134
105°	174	306	1095	1734	1518
107.5°	201	324	1056	1920	1851
110°	225	354	957	1962	2055



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	249	378	894	1890	2112
115°	270	393	864	1767	2067
117.5°	297	405	852	1647	1965
120°	318	411	852	1548	1851
122.5°	339	417	861	1467	1746
125°	360	429	858	1407	1653
127.5°	384	435	849	1359	1578
130°	402	450	834	1317	1512
132.5°	426	471	807	1266	1455
135°	450	489	783	1200	1389
137.5°	471	507	744	1137	1305
140°	492	525	720	1065	1227
142.5°	516	543	705	999	1134
145°	537	561	681	921	1053
147.5°	555	576	672	861	960
150°	573	591	672	819	894
152.5°	594	603	675	765	834
155°	609	618	675	747	783
157.5°	624	630	678	732	762
160°	639	645	681	720	738
162.5°	654	654	681	714	723
165°	666	666	684	708	714
167.5°	678	675	687	702	705
170°	687	681	690	699	696
172.5°	696	687	693	696	693
175°	699	693	696	696	687
177.5°	705	696	696	693	678
180°	693	693	693	693	693

(END OF REPORT)