

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: P234591

Luminaire Tested: **CTA-F-2575-60L835-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234591
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-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (672) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12205.5 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')
CIE Type: Semi-Direct

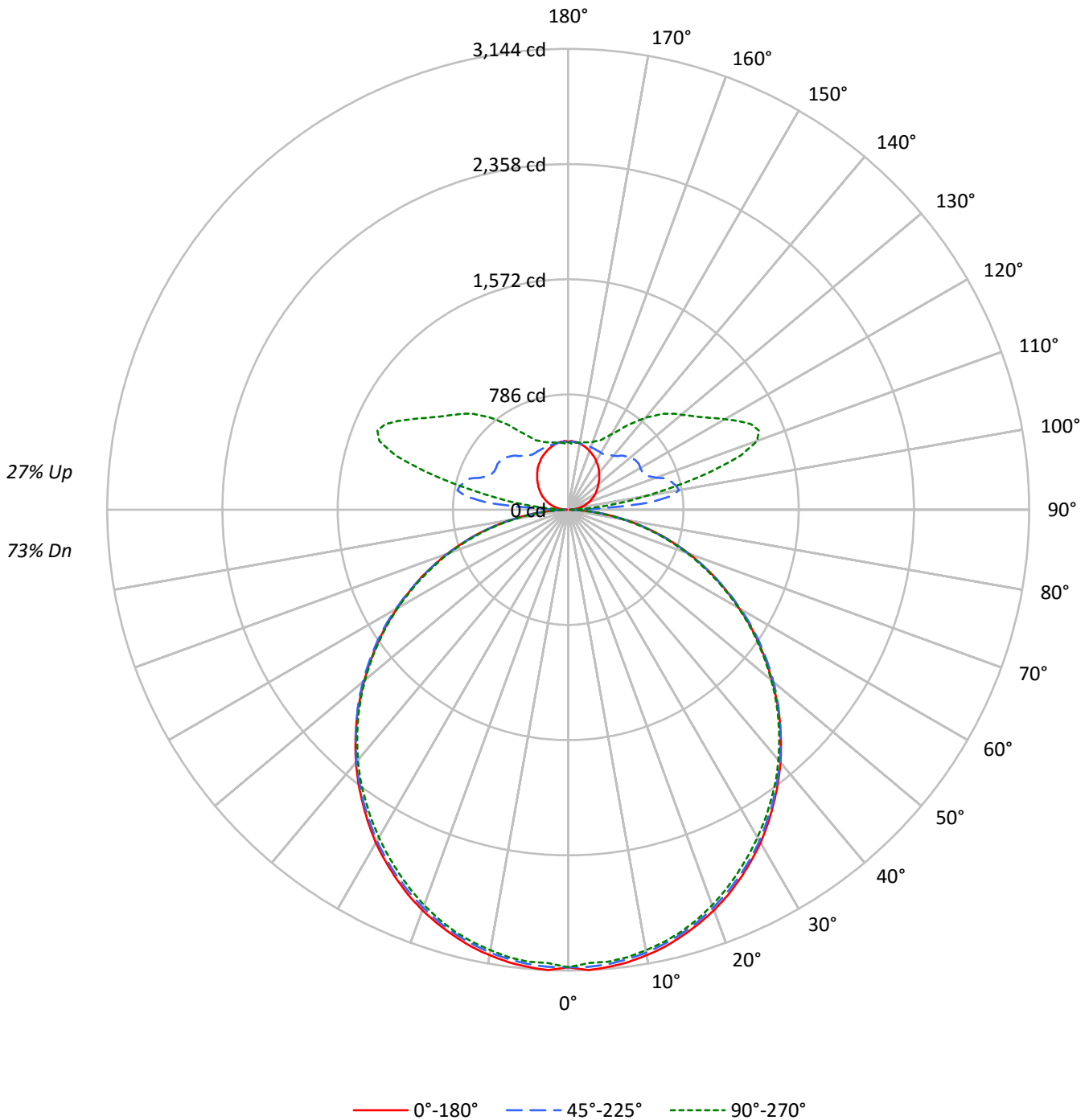
Input Watts (W): 118.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	295.3	2.4
10°-20°	843.3	6.9
20°-30°	1268.6	10.4
30°-40°	1518.6	12.4
40°-50°	1569.8	12.9
50°-60°	1420.3	11.6
60°-70°	1100.2	9.0
70°-80°	662.8	5.4
80°-90°	191.8	1.6
90°-100°	273.3	2.2
100°-110°	679.1	5.6
110°-120°	692.3	5.7
120°-130°	555.2	4.5
130°-140°	436.8	3.6
140°-150°	312.0	2.6
150°-160°	212.3	1.7
160°-170°	129.7	1.1
170°-180°	44.1	0.4
0°-30°	2407.1	19.7
0°-40°	3925.8	32.2
0°-60°	6915.9	56.7
0°-90°	8870.6	72.7
90°-120°	1644.7	13.5
90°-150°	2948.7	24.2
90°-180°	3335.0	27.3
0°-180°	12205.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3122	3122	3122	3122	3122	
5°	3132	3102	3112	3104	3096	297
15°	3010	2982	2994	2988	2980	849
25°	2776	2750	2760	2744	2734	1279
35°	2444	2424	2434	2422	2414	1530
45°	2042	2032	2042	2034	2028	1574
55°	1586	1586	1600	1586	1578	1418
65°	1114	1118	1112	1106	1098	1101
75°	636	634	628	620	618	669
85°	172	172	164	156	150	186
90°	10	24	24	24	22	17
95°	40	120	556	270	186	44
105°	116	204	730	1156	1012	123
115°	180	262	576	1178	1378	180
125°	240	286	572	938	1102	215
135°	300	326	522	800	926	231
145°	358	374	454	614	702	223
155°	406	412	450	498	522	187
165°	444	444	456	472	476	125
175°	466	462	464	464	458	44
180°	462	462	462	462	462	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3122	3122	3122	3122	3122
2.5°	3144	3112	3122	3116	3096
5°	3132	3102	3112	3104	3096
7.5°	3114	3084	3094	3086	3080
10°	3086	3058	3068	3060	3052
12.5°	3054	3022	3034	3024	3020
15°	3010	2982	2994	2988	2980
17.5°	2962	2934	2946	2942	2930
20°	2908	2880	2890	2880	2872
22.5°	2846	2820	2828	2814	2806
25°	2776	2750	2760	2744	2734
27.5°	2702	2678	2688	2672	2660
30°	2624	2598	2608	2590	2582
32.5°	2536	2514	2522	2510	2500
35°	2444	2424	2434	2422	2414
37.5°	2350	2332	2340	2330	2326
40°	2252	2234	2246	2236	2230
42.5°	2148	2134	2144	2138	2130
45°	2042	2032	2042	2034	2028
47.5°	1930	1924	1938	1926	1920
50°	1816	1814	1828	1816	1808
52.5°	1702	1702	1714	1702	1694
55°	1586	1586	1600	1586	1578
57.5°	1470	1474	1482	1468	1462
60°	1348	1358	1360	1348	1342
62.5°	1230	1238	1236	1228	1220
65°	1114	1118	1112	1106	1098
67.5°	994	1000	992	988	978
70°	876	880	870	866	862
72.5°	754	754	750	744	740
75°	636	634	628	620	618
77.5°	514	514	512	500	496
80°	392	392	390	382	378
82.5°	280	280	272	270	266
85°	172	172	164	156	150
87.5°	74	70	64	56	54
90°	10	24	24	24	22
92.5°	30	82	218	78	58
95°	40	120	556	270	186
97.5°	64	144	702	464	362
100°	82	180	768	682	536
102.5°	100	194	754	932	756
105°	116	204	730	1156	1012
107.5°	134	216	704	1280	1234
110°	150	236	638	1308	1370



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	166	252	596	1260	1408
115°	180	262	576	1178	1378
117.5°	198	270	568	1098	1310
120°	212	274	568	1032	1234
122.5°	226	278	574	978	1164
125°	240	286	572	938	1102
127.5°	256	290	566	906	1052
130°	268	300	556	878	1008
132.5°	284	314	538	844	970
135°	300	326	522	800	926
137.5°	314	338	496	758	870
140°	328	350	480	710	818
142.5°	344	362	470	666	756
145°	358	374	454	614	702
147.5°	370	384	448	574	640
150°	382	394	448	546	596
152.5°	396	402	450	510	556
155°	406	412	450	498	522
157.5°	416	420	452	488	508
160°	426	430	454	480	492
162.5°	436	436	454	476	482
165°	444	444	456	472	476
167.5°	452	450	458	468	470
170°	458	454	460	466	464
172.5°	464	458	462	464	462
175°	466	462	464	464	458
177.5°	470	464	464	462	452
180°	462	462	462	462	462

(END OF REPORT)