

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: P234578

Luminaire Tested: **CTA-F-2575-40L835-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-12)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-2575-40L835-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
4000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (1008) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

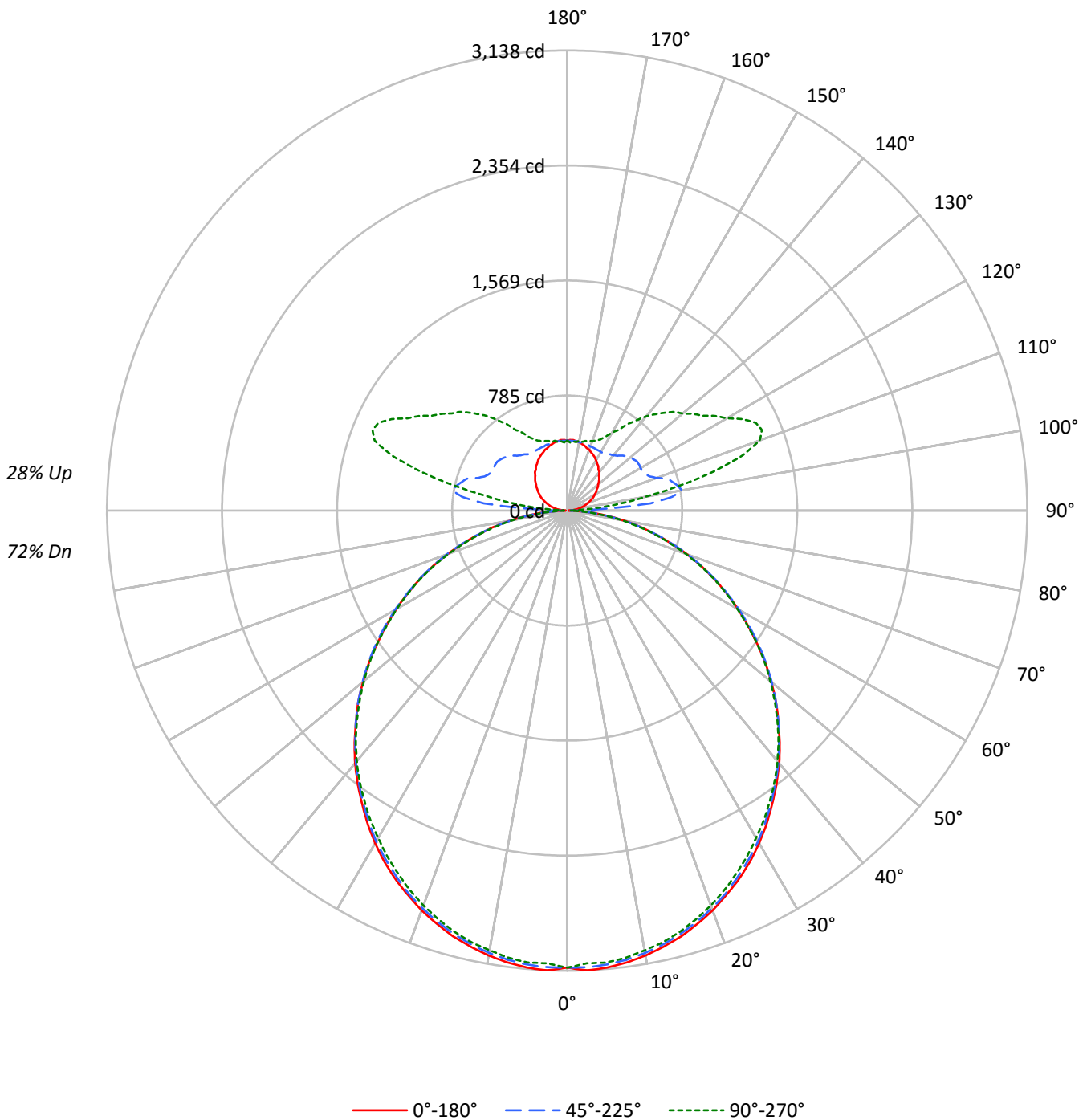
Lumens per Lamp: N/A
Luminaire Lumens: 12275.6 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 110.4
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	112	112	112	112	107	107	107	107	96	96	96	86	86	86	76	76	76	72
1	102	98	94	90	97	93	89	86	83	81	78	75	73	71	67	65	64	60
2	93	85	79	73	88	81	75	70	73	68	64	65	62	59	59	56	53	50
3	85	75	67	61	80	71	64	58	64	58	54	58	53	49	52	48	45	42
4	77	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	36	41	37	34	31
6	66	53	44	38	62	50	42	37	46	39	34	42	36	32	38	33	29	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	41	34	29	38	31	27	35	29	25	31	27	23	21
9	53	40	32	26	50	38	31	26	35	29	24	32	26	23	29	24	21	19
10	49	36	29	24	47	35	28	23	32	26	22	29	24	20	27	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6710	6710	6710
5°	6761	6716	6683
10°	6735	6695	6656
15°	6699	6659	6625
20°	6645	6611	6563
25°	6584	6541	6484
30°	6510	6473	6405
35°	6409	6378	6338
40°	6323	6297	6272
45°	6201	6201	6174
50°	6088	6098	6058
55°	5933	5978	5933
60°	5799	5838	5773
65°	5654	5684	5623
70°	5476	5513	5400
75°	5165	5215	5090
80°	4872	4797	4649
85°	4223	4149	3705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.8	2.4
10°-20°	841.9	6.9
20°-30°	1266.4	10.3
30°-40°	1515.9	12.3
40°-50°	1567.9	12.8
50°-60°	1418.0	11.6
60°-70°	1098.3	8.9
70°-80°	658.3	5.4
80°-90°	192.6	1.6
90°-100°	281.9	2.3
100°-110°	697.2	5.7
110°-120°	709.1	5.8
120°-130°	568.7	4.6
130°-140°	447.3	3.6
140°-150°	320.4	2.6
150°-160°	218.0	1.8
160°-170°	133.6	1.1
170°-180°	45.4	0.4
0°-30°	2403.1	19.6
0°-40°	3919.0	31.9
0°-60°	6904.9	56.2
0°-90°	8854.1	72.1
90°-120°	1688.1	13.8
90°-150°	3024.6	24.6
90°-180°	3422.0	27.9
0°-180°	12275.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3117	3117	3117	3117	3117	
5°	3129	3099	3108	3099	3093	297
15°	3006	2979	2988	2985	2973	848
25°	2772	2745	2754	2739	2730	1277
35°	2439	2421	2427	2415	2412	1527
45°	2037	2028	2037	2031	2028	1573
55°	1581	1584	1593	1584	1581	1416
65°	1110	1113	1116	1104	1104	1098
75°	621	630	627	615	612	660
85°	171	174	168	156	150	186
90°	12	24	24	24	21	17
95°	42	123	570	285	192	44
105°	117	207	747	1191	1038	124
115°	186	270	588	1206	1419	183
125°	246	294	582	963	1128	222
135°	309	336	531	819	945	238
145°	369	384	468	633	720	230
155°	420	423	462	510	534	193
165°	459	456	468	486	492	129
175°	483	477	477	477	474	46
180°	477	477	477	477	477	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3117	3117	3117	3117	3117
2.5°	3138	3108	3117	3111	3090
5°	3129	3099	3108	3099	3093
7.5°	3108	3081	3090	3081	3075
10°	3081	3051	3063	3054	3045
12.5°	3045	3018	3030	3021	3015
15°	3006	2979	2988	2985	2973
17.5°	2955	2931	2940	2937	2922
20°	2901	2874	2886	2877	2865
22.5°	2838	2811	2826	2811	2802
25°	2772	2745	2754	2739	2730
27.5°	2700	2673	2682	2667	2658
30°	2619	2595	2604	2586	2577
32.5°	2532	2511	2517	2502	2499
35°	2439	2421	2427	2415	2412
37.5°	2346	2328	2334	2325	2325
40°	2250	2232	2241	2235	2232
42.5°	2145	2133	2139	2136	2133
45°	2037	2028	2037	2031	2028
47.5°	1932	1920	1932	1926	1920
50°	1818	1812	1821	1815	1809
52.5°	1704	1698	1710	1704	1698
55°	1581	1584	1593	1584	1581
57.5°	1464	1467	1476	1470	1458
60°	1347	1350	1356	1350	1341
62.5°	1227	1230	1233	1227	1224
65°	1110	1113	1116	1104	1104
67.5°	990	996	993	984	981
70°	870	873	876	864	858
72.5°	741	753	747	735	732
75°	621	630	627	615	612
77.5°	510	510	504	498	492
80°	393	393	387	381	375
82.5°	279	282	276	267	261
85°	171	174	168	156	150
87.5°	72	75	66	57	54
90°	12	24	24	24	21
92.5°	30	84	231	81	60
95°	42	123	570	285	192
97.5°	63	147	723	483	369
100°	84	183	795	696	543
102.5°	102	201	774	966	786
105°	117	207	747	1191	1038
107.5°	135	219	720	1320	1257
110°	150	240	651	1341	1398



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	168	255	609	1296	1437
115°	186	270	588	1206	1419
117.5°	204	276	576	1131	1350
120°	216	282	579	1059	1257
122.5°	234	285	582	1008	1200
125°	246	294	582	963	1128
127.5°	264	300	573	930	1083
130°	276	309	561	900	1029
132.5°	294	321	549	864	996
135°	309	336	531	819	945
137.5°	321	348	507	777	891
140°	342	360	492	729	840
142.5°	351	372	483	681	774
145°	369	384	468	633	720
147.5°	381	396	462	588	651
150°	396	405	462	558	615
152.5°	408	417	462	522	567
155°	420	423	462	510	534
157.5°	429	432	465	498	516
160°	441	441	465	495	504
162.5°	447	447	471	489	498
165°	459	456	468	486	492
167.5°	465	462	474	483	480
170°	474	468	474	480	483
172.5°	477	471	477	480	471
175°	483	477	477	477	474
177.5°	483	477	477	477	465
180°	477	477	477	477	477

(END OF REPORT)