

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: P234554

Luminaire Tested: **CTA-F-0100-40L835-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-17)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-0100-40L835-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
4000 LUMENS, 0% UPLIGHT, 100% DOWNLIGHT
Light Source: (1008) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12048.0 lumens
Efficiency: N/A
Efficacy: 92.1 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: Direct

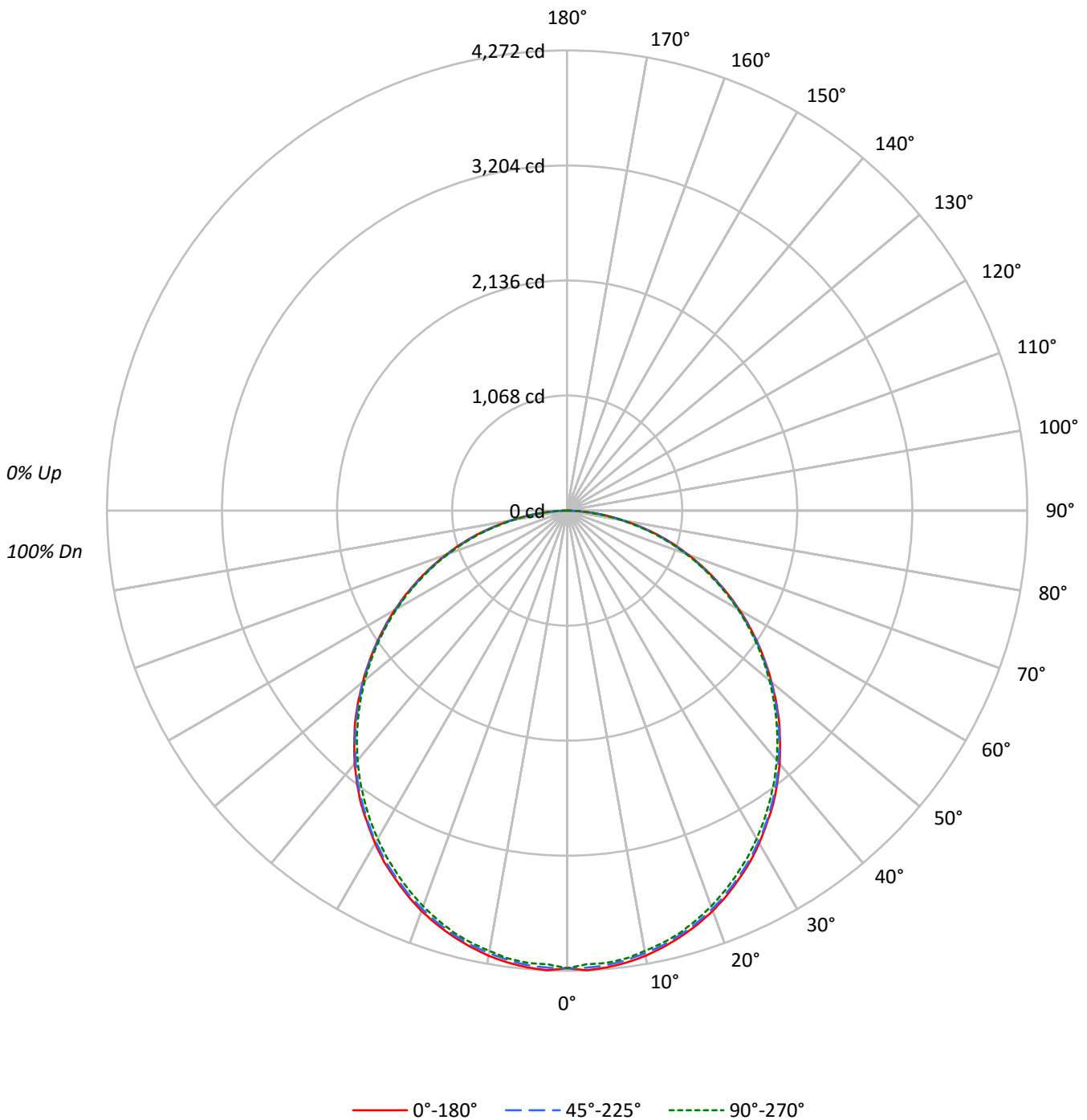
Input Watts (W): 130.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9144	9144	9144
5°	9199	9153	9108
10°	9174	9121	9076
15°	9119	9079	9039
20°	9058	9016	8955
25°	8964	8928	8850
30°	8866	8829	8747
35°	8759	8711	8625
40°	8624	8582	8506
45°	8475	8439	8366
50°	8298	8278	8208
55°	8140	8106	8050
60°	7956	7917	7866
65°	7763	7686	7640
70°	7515	7420	7383
75°	7236	7086	7011
80°	6582	6545	6359
85°	5779	5557	5038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.7	3.3
10°-20°	1147.2	9.5
20°-30°	1726.4	14.3
30°-40°	2065.5	17.1
40°-50°	2130.1	17.7
50°-60°	1925.6	16.0
60°-70°	1493.9	12.4
70°-80°	899.9	7.5
80°-90°	257.7	2.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3275.2	27.2
0°-40°	5340.7	44.3
0°-60°	9396.5	78.0
0°-90°	12048.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12048.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4248	4248	4248	4248	4248	
5°	4257	4218	4236	4224	4215	404
15°	4092	4053	4074	4065	4056	1155
25°	3774	3741	3759	3735	3726	1740
35°	3333	3297	3315	3288	3282	2083
45°	2784	2766	2772	2745	2748	2145
55°	2169	2163	2160	2142	2145	1938
65°	1524	1512	1509	1500	1500	1507
75°	870	855	852	849	843	914
85°	234	240	225	213	204	267
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4248	4248	4248	4248	4248
2.5°	4272	4233	4248	4242	4215
5°	4257	4218	4236	4224	4215
7.5°	4233	4194	4209	4200	4194
10°	4197	4155	4173	4164	4152
12.5°	4149	4110	4131	4116	4110
15°	4092	4053	4074	4065	4056
17.5°	4029	3990	4011	4002	3987
20°	3954	3915	3936	3918	3909
22.5°	3870	3831	3852	3831	3822
25°	3774	3741	3759	3735	3726
27.5°	3678	3639	3660	3636	3627
30°	3567	3531	3552	3522	3519
32.5°	3447	3417	3438	3411	3405
35°	3333	3297	3315	3288	3282
37.5°	3201	3171	3192	3159	3159
40°	3069	3045	3054	3024	3027
42.5°	2925	2907	2916	2889	2889
45°	2784	2766	2772	2745	2748
47.5°	2631	2619	2622	2598	2601
50°	2478	2469	2472	2448	2451
52.5°	2322	2316	2313	2292	2298
55°	2169	2163	2160	2142	2145
57.5°	2010	2004	1998	1983	1986
60°	1848	1845	1839	1827	1827
62.5°	1686	1680	1671	1665	1665
65°	1524	1512	1509	1500	1500
67.5°	1359	1353	1344	1341	1338
70°	1194	1185	1179	1176	1173
72.5°	1035	1026	1017	1011	1008
75°	870	855	852	849	843
77.5°	699	693	687	681	672
80°	531	537	528	519	513
82.5°	381	387	372	363	357
85°	234	240	225	213	204
87.5°	102	105	84	75	66
90°	0	0	0	0	0

(END OF REPORT)