

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: G2-1709-282-15

Luminaire Tested: **CTA-F-0100-20L835-UNV-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: G2-1709-282-15
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-0100-20L835-UNV-4
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
2000 LUMENS, 0% UPLIGHT, 100% DOWNLIGHT
Light Source: (336) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2057.7 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

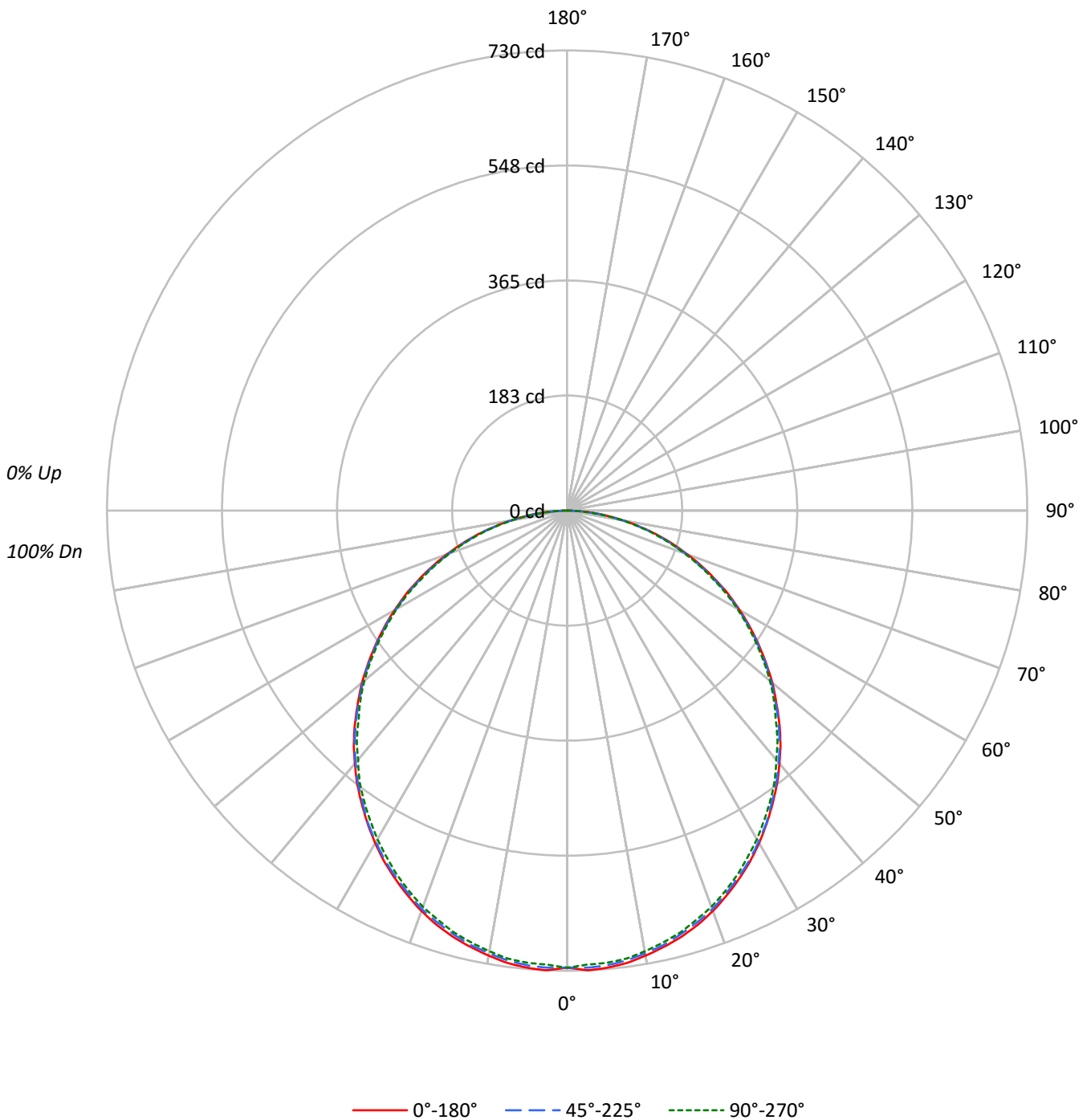
Input Watts (W): 20.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50
5	76	63	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	45	37	32	43	37	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°	4682	4682	4682
5°	4719	4693	4667
10°	4702	4675	4656
15°	4680	4653	4633
20°	4646	4625	4598
25°	4596	4575	4546
30°	4541	4526	4489
35°	4478	4462	4431
40°	4417	4401	4350
45°	4347	4329	4274
50°	4270	4250	4220
55°	4177	4155	4121
60°	4081	4056	4030
65°	3973	3927	3881
70°	3833	3776	3739
75°	3668	3593	3568
80°	3384	3347	3273
85°	3038	2816	2593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.7	3.3
10°-20°	196.1	9.5
20°-30°	295.0	14.3
30°-40°	353.0	17.2
40°-50°	364.3	17.7
50°-60°	329.4	16.0
60°-70°	254.4	12.4
70°-80°	152.8	7.4
80°-90°	44.1	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°	559.8	27.2
0°-40°	912.8	44.4
0°-60°	1606.4	78.1
0°-90°	2057.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2057.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	725	725	725	725	725	
5°	728	721	724	722	720	69
15°	700	693	696	695	693	197
25°	645	639	642	638	638	297
35°	568	564	566	561	562	356
45°	476	472	474	469	468	367
55°	371	370	369	365	366	332
65°	260	258	257	255	254	257
75°	147	145	144	144	143	155
85°	41	41	38	36	35	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	725	725	725	725	725
2.5°	730	723	726	725	721
5°	728	721	724	722	720
7.5°	724	717	720	718	717
10°	717	710	713	711	710
12.5°	709	702	706	704	702
15°	700	693	696	695	693
17.5°	689	682	685	684	681
20°	676	669	673	670	669
22.5°	661	655	658	654	654
25°	645	639	642	638	638
27.5°	628	622	626	621	620
30°	609	604	607	602	602
32.5°	589	585	588	582	582
35°	568	564	566	561	562
37.5°	547	543	545	540	541
40°	524	521	522	517	516
42.5°	501	497	499	494	494
45°	476	472	474	469	468
47.5°	450	449	448	444	445
50°	425	424	423	419	420
52.5°	398	397	396	392	393
55°	371	370	369	365	366
57.5°	344	343	342	339	339
60°	316	315	314	312	312
62.5°	289	288	286	284	284
65°	260	258	257	255	254
67.5°	232	229	228	227	226
70°	203	201	200	199	198
72.5°	175	173	172	172	170
75°	147	145	144	144	143
77.5°	118	119	117	117	115
80°	91	91	90	89	88
82.5°	65	66	64	63	61
85°	41	41	38	36	35
87.5°	18	17	15	13	11
90°	0	0	0	0	0

(END OF REPORT)