

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: P234535

Luminaire Tested: **CTA-F-0100-20L835-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (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-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
2000 LUMENS, 0% UPLIGHT, 100% DOWNLIGHT
Light Source: (672) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4115.3 lumens
Efficiency: N/A
Efficacy: 106.1 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: Direct

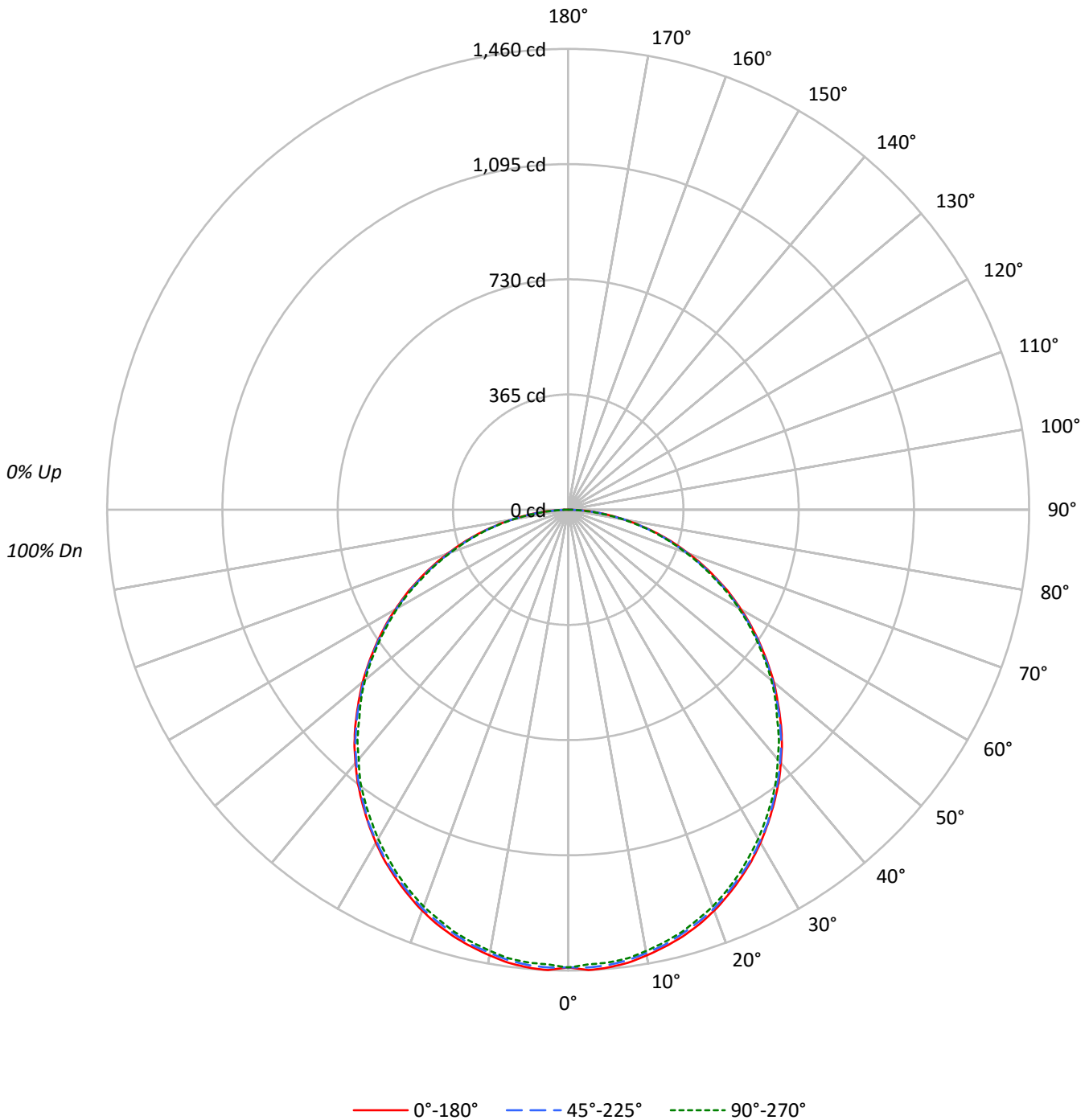
Input Watts (W): 38.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	137.3	3.3
10°-20°	392.1	9.5
20°-30°	590.1	14.3
30°-40°	706.1	17.2
40°-50°	728.5	17.7
50°-60°	658.7	16.0
60°-70°	508.8	12.4
70°-80°	305.5	7.4
80°-90°	88.2	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°	1119.5	27.2
0°-40°	1825.6	44.4
0°-60°	3212.8	78.1
0°-90°	4115.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4115.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1450	1450	1450	1450	1450	
5°	1456	1442	1448	1444	1440	138
15°	1400	1386	1392	1390	1386	395
25°	1290	1278	1284	1276	1276	594
35°	1136	1128	1132	1122	1124	711
45°	952	944	948	938	936	734
55°	742	740	738	730	732	664
65°	520	516	514	510	508	515
75°	294	290	288	288	286	310
85°	82	82	76	72	70	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1450	1450	1450	1450	1450
2.5°	1460	1446	1452	1450	1442
5°	1456	1442	1448	1444	1440
7.5°	1448	1434	1440	1436	1434
10°	1434	1420	1426	1422	1420
12.5°	1418	1404	1412	1408	1404
15°	1400	1386	1392	1390	1386
17.5°	1378	1364	1370	1368	1362
20°	1352	1338	1346	1340	1338
22.5°	1322	1310	1316	1308	1308
25°	1290	1278	1284	1276	1276
27.5°	1256	1244	1252	1242	1240
30°	1218	1208	1214	1204	1204
32.5°	1178	1170	1176	1164	1164
35°	1136	1128	1132	1122	1124
37.5°	1094	1086	1090	1080	1082
40°	1048	1042	1044	1034	1032
42.5°	1002	994	998	988	988
45°	952	944	948	938	936
47.5°	900	898	896	888	890
50°	850	848	846	838	840
52.5°	796	794	792	784	786
55°	742	740	738	730	732
57.5°	688	686	684	678	678
60°	632	630	628	624	624
62.5°	578	576	572	568	568
65°	520	516	514	510	508
67.5°	464	458	456	454	452
70°	406	402	400	398	396
72.5°	350	346	344	344	340
75°	294	290	288	288	286
77.5°	236	238	234	234	230
80°	182	182	180	178	176
82.5°	130	132	128	126	122
85°	82	82	76	72	70
87.5°	36	34	30	26	22
90°	0	0	0	0	0

(END OF REPORT)