

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: P234538

Luminaire Tested: **CTA-F-0100-20L835-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234538
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-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
2000 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: 6173.0 lumens
Efficiency: N/A
Efficacy: 107.0 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

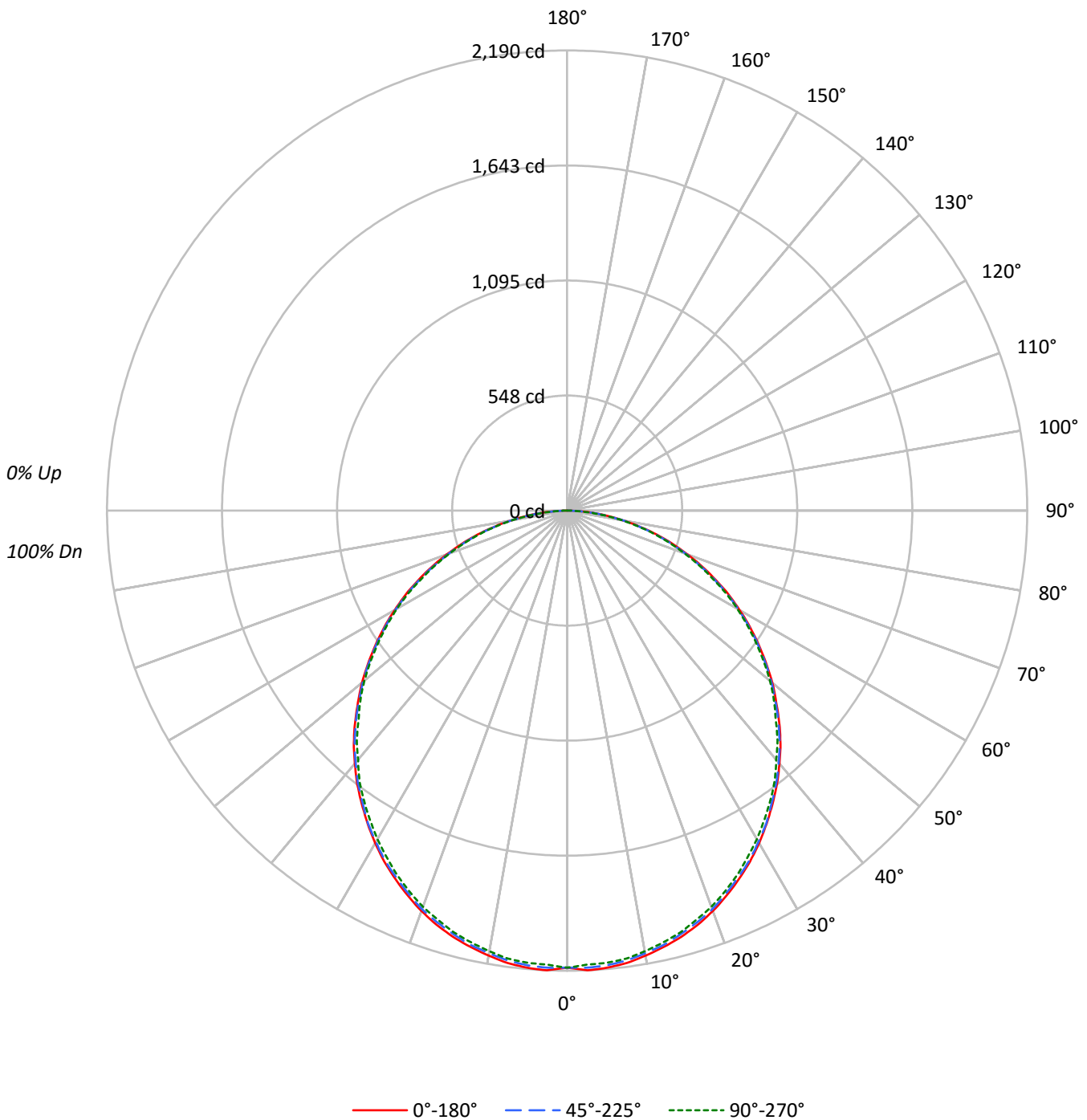
Input Watts (W): 57.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	206.0	3.3
10°-20°	588.2	9.5
20°-30°	885.1	14.3
30°-40°	1059.1	17.2
40°-50°	1092.8	17.7
50°-60°	988.1	16.0
60°-70°	763.2	12.4
70°-80°	458.3	7.4
80°-90°	132.2	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°	1679.3	27.2
0°-40°	2738.3	44.4
0°-60°	4819.2	78.1
0°-90°	6173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6173.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2175	2175	2175	2175	2175	
5°	2184	2163	2172	2166	2160	207
15°	2100	2079	2088	2085	2079	592
25°	1935	1917	1926	1914	1914	892
35°	1704	1692	1698	1683	1686	1067
45°	1428	1416	1422	1407	1404	1101
55°	1113	1110	1107	1095	1098	995
65°	780	774	771	765	762	772
75°	441	435	432	432	429	464
85°	123	123	114	108	105	138
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2175	2175	2175	2175	2175
2.5°	2190	2169	2178	2175	2163
5°	2184	2163	2172	2166	2160
7.5°	2172	2151	2160	2154	2151
10°	2151	2130	2139	2133	2130
12.5°	2127	2106	2118	2112	2106
15°	2100	2079	2088	2085	2079
17.5°	2067	2046	2055	2052	2043
20°	2028	2007	2019	2010	2007
22.5°	1983	1965	1974	1962	1962
25°	1935	1917	1926	1914	1914
27.5°	1884	1866	1878	1863	1860
30°	1827	1812	1821	1806	1806
32.5°	1767	1755	1764	1746	1746
35°	1704	1692	1698	1683	1686
37.5°	1641	1629	1635	1620	1623
40°	1572	1563	1566	1551	1548
42.5°	1503	1491	1497	1482	1482
45°	1428	1416	1422	1407	1404
47.5°	1350	1347	1344	1332	1335
50°	1275	1272	1269	1257	1260
52.5°	1194	1191	1188	1176	1179
55°	1113	1110	1107	1095	1098
57.5°	1032	1029	1026	1017	1017
60°	948	945	942	936	936
62.5°	867	864	858	852	852
65°	780	774	771	765	762
67.5°	696	687	684	681	678
70°	609	603	600	597	594
72.5°	525	519	516	516	510
75°	441	435	432	432	429
77.5°	354	357	351	351	345
80°	273	273	270	267	264
82.5°	195	198	192	189	183
85°	123	123	114	108	105
87.5°	54	51	45	39	33
90°	0	0	0	0	0

(END OF REPORT)