

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: P234868

Luminaire Tested: **CTA-F-2575-30L840-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-4_PR)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-2575-30L840-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
3000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (1008) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9361.8 lumens
Efficiency: N/A
Efficacy: 119.1 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: Semi-Direct

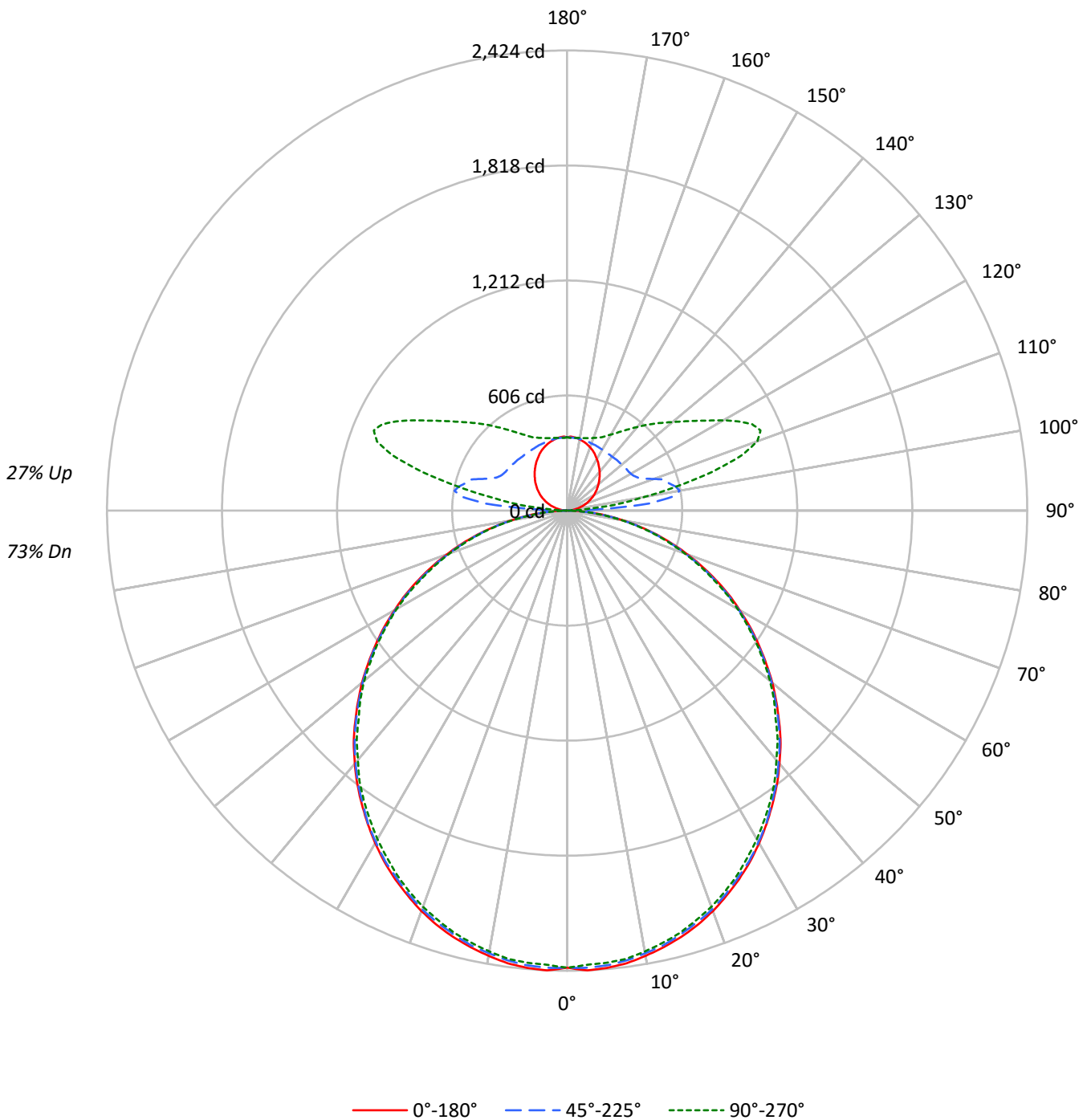
Input Watts (W): 78.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P234868

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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	113	113	113	113	107	107	107	107	96	96	96	86	86	86	77	77	77	73
1	103	98	94	90	97	93	89	86	84	81	78	76	73	71	68	66	65	61
2	93	85	79	73	88	81	75	70	73	69	65	66	62	59	59	56	54	50
3	85	75	67	61	80	71	64	58	64	59	54	58	54	50	52	49	46	42
4	78	66	58	51	73	63	55	49	57	51	46	52	47	42	47	43	39	36
5	71	59	50	44	67	56	48	42	51	45	40	46	41	37	42	37	34	31
6	66	53	44	38	62	51	43	37	46	39	35	42	36	32	38	33	30	27
7	61	48	39	34	57	46	38	32	42	35	30	38	33	28	35	30	26	24
8	56	43	35	30	53	42	34	29	38	32	27	35	29	25	32	27	24	21
9	53	40	32	27	50	38	31	26	35	29	24	32	27	23	29	25	21	19
10	49	37	29	24	47	35	28	23	32	26	22	30	24	21	27	23	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5183	5183	5183
5°	5225	5197	5166
10°	5206	5175	5154
15°	5180	5151	5130
20°	5142	5121	5089
25°	5089	5065	5034
30°	5028	5012	4970
35°	4957	4940	4905
40°	4890	4872	4816
45°	4811	4793	4730
50°	4724	4705	4671
55°	4623	4599	4564
60°	4518	4489	4462
65°	4401	4348	4296
70°	4248	4183	4136
75°	4056	3979	3947
80°	3749	3702	3621
85°	3352	3122	2867



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.0	2.4
10°-20°	651.2	7.0
20°-30°	979.9	10.5
30°-40°	1172.4	12.5
40°-50°	1209.8	12.9
50°-60°	1093.9	11.7
60°-70°	844.8	9.0
70°-80°	507.3	5.4
80°-90°	146.7	1.6
90°-100°	204.7	2.2
100°-110°	518.9	5.5
110°-120°	521.3	5.6
120°-130°	404.2	4.3
130°-140°	317.8	3.4
140°-150°	242.2	2.6
150°-160°	174.3	1.9
160°-170°	107.7	1.2
170°-180°	36.7	0.4
0°-30°	1859.1	19.9
0°-40°	3031.4	32.4
0°-60°	5335.1	57.0
0°-90°	6833.9	73.0
90°-120°	1244.9	13.3
90°-150°	2209.0	23.6
90°-180°	2528.0	27.0
0°-180°	9361.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2408	2408	2408	2408	2408	
5°	2418	2395	2405	2398	2391	230
15°	2324	2302	2311	2308	2302	656
25°	2143	2122	2132	2119	2119	987
35°	1886	1873	1880	1863	1867	1181
45°	1580	1568	1574	1558	1554	1219
55°	1232	1229	1225	1212	1216	1102
65°	864	856	854	846	843	856
75°	488	482	478	478	475	514
85°	136	136	126	120	116	145
90°	2	2	3	2	2	10
95°	22	75	436	206	133	23
105°	76	125	555	903	792	80
115°	134	168	411	924	1076	133
125°	189	218	381	686	824	169
135°	241	263	374	559	647	186
145°	290	304	369	462	512	182
155°	336	341	374	408	426	155
165°	370	369	380	390	395	104
175°	388	384	385	385	385	37
180°	386	386	386	386	386	



TEST NUMBER: P234868

CATALOG NUMBER: CTA-F-2575-30L840-UNV-12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2407.7	2407.7	2407.7	2407.7	2407.7
2.5°	2424.5	2401.1	2410.5	2407.7	2394.6
5°	2418.0	2394.6	2404.9	2398.3	2390.8
7.5°	2404.9	2381.5	2390.8	2384.3	2381.5
10°	2381.5	2358.1	2367.4	2360.9	2358.1
12.5°	2355.3	2331.9	2345.0	2337.5	2331.9
15°	2324.4	2301.9	2311.3	2308.5	2301.9
17.5°	2287.9	2264.5	2274.8	2271.9	2261.6
20°	2244.8	2221.4	2235.4	2225.1	2221.4
22.5°	2195.2	2175.5	2185.8	2171.8	2171.8
25°	2142.8	2122.2	2132.5	2119.4	2119.4
27.5°	2085.7	2066.0	2079.1	2062.3	2058.5
30°	2022.9	2006.1	2016.4	1999.5	1999.5
32.5°	1955.5	1942.4	1952.7	1932.1	1932.1
35°	1886.3	1873.2	1879.7	1862.9	1866.6
37.5°	1816.1	1803.0	1810.4	1793.6	1796.4
40°	1740.2	1729.9	1733.7	1716.8	1714.0
42.5°	1664.4	1650.4	1656.9	1641.0	1641.0
45°	1580.2	1568.0	1574.5	1557.7	1553.9
47.5°	1495.0	1491.2	1487.5	1474.4	1478.1
50°	1410.7	1408.9	1405.1	1391.1	1394.8
52.5°	1321.8	1318.0	1315.2	1302.1	1304.9
55°	1231.9	1229.1	1225.4	1212.3	1216.0
57.5°	1143.0	1139.2	1135.5	1126.1	1126.1
60°	1049.4	1046.6	1042.8	1036.3	1036.3
62.5°	960.5	956.7	950.2	942.7	942.7
65°	864.0	856.5	853.7	846.2	843.4
67.5°	770.4	760.1	757.3	753.6	750.8
70°	674.9	667.4	664.6	660.9	657.2
72.5°	580.4	574.8	571.0	571.0	564.5
75°	487.7	482.1	478.4	478.4	474.6
77.5°	391.3	395.0	388.5	388.5	381.9
80°	302.4	302.4	298.6	295.8	292.1
82.5°	216.2	219.1	212.5	208.8	202.2
85°	135.7	135.7	126.4	119.8	116.1
87.5°	59.9	57.1	49.6	43.1	36.5
90°	1.9	1.9	2.8	1.9	1.9
92.5°	11.2	48.7	181.6	43.1	29.0
95°	21.5	74.9	436.2	205.9	132.9
97.5°	33.7	90.8	558.9	367.9	278.0
100°	47.7	118.0	601.9	541.1	408.1
102.5°	61.8	124.5	585.1	742.3	598.2
105°	75.8	125.4	555.1	903.3	792.0
107.5°	90.8	128.2	541.1	1000.7	961.4
110°	104.8	140.4	485.8	1025.0	1066.2



TEST NUMBER: P234868

CATALOG NUMBER: CTA-F-2575-30L840-UNV-12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	119.8	155.4	438.1	990.4	1102.7
115°	133.9	168.5	411.0	923.9	1075.6
117.5°	148.8	181.6	396.0	850.0	1017.6
120°	162.9	193.8	387.6	785.4	950.2
122.5°	176.0	205.9	382.9	732.0	881.8
125°	189.1	218.1	381.0	686.2	823.8
127.5°	202.2	229.3	379.1	649.7	771.4
130°	215.3	239.6	377.3	616.0	725.5
132.5°	228.4	251.8	374.4	586.0	685.2
135°	240.6	263.0	373.5	558.9	646.9
137.5°	253.7	274.3	371.6	531.7	610.3
140°	265.9	284.6	369.8	505.5	574.8
142.5°	278.0	294.9	369.8	483.0	542.0
145°	290.2	304.2	368.8	462.4	512.1
147.5°	302.4	313.6	369.8	444.7	484.9
150°	313.6	323.9	370.7	430.6	462.4
152.5°	324.8	332.3	371.6	417.5	442.8
155°	336.1	340.7	373.5	408.1	425.9
157.5°	345.4	348.2	375.4	401.6	415.6
160°	353.9	356.7	376.3	396.9	407.2
162.5°	362.3	363.2	378.2	393.2	399.7
165°	369.8	368.8	380.1	390.4	395.0
167.5°	375.4	374.4	381.9	387.6	391.3
170°	381.0	379.1	382.9	386.6	388.5
172.5°	385.7	381.9	384.7	385.7	386.6
175°	388.5	383.8	384.7	384.7	384.7
177.5°	390.4	385.7	385.7	385.7	382.9
180°	385.7	385.7	385.7	385.7	385.7

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