

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: P234865

Luminaire Tested: **CTA-F-2575-30L840-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234865
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-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
3000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (672) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

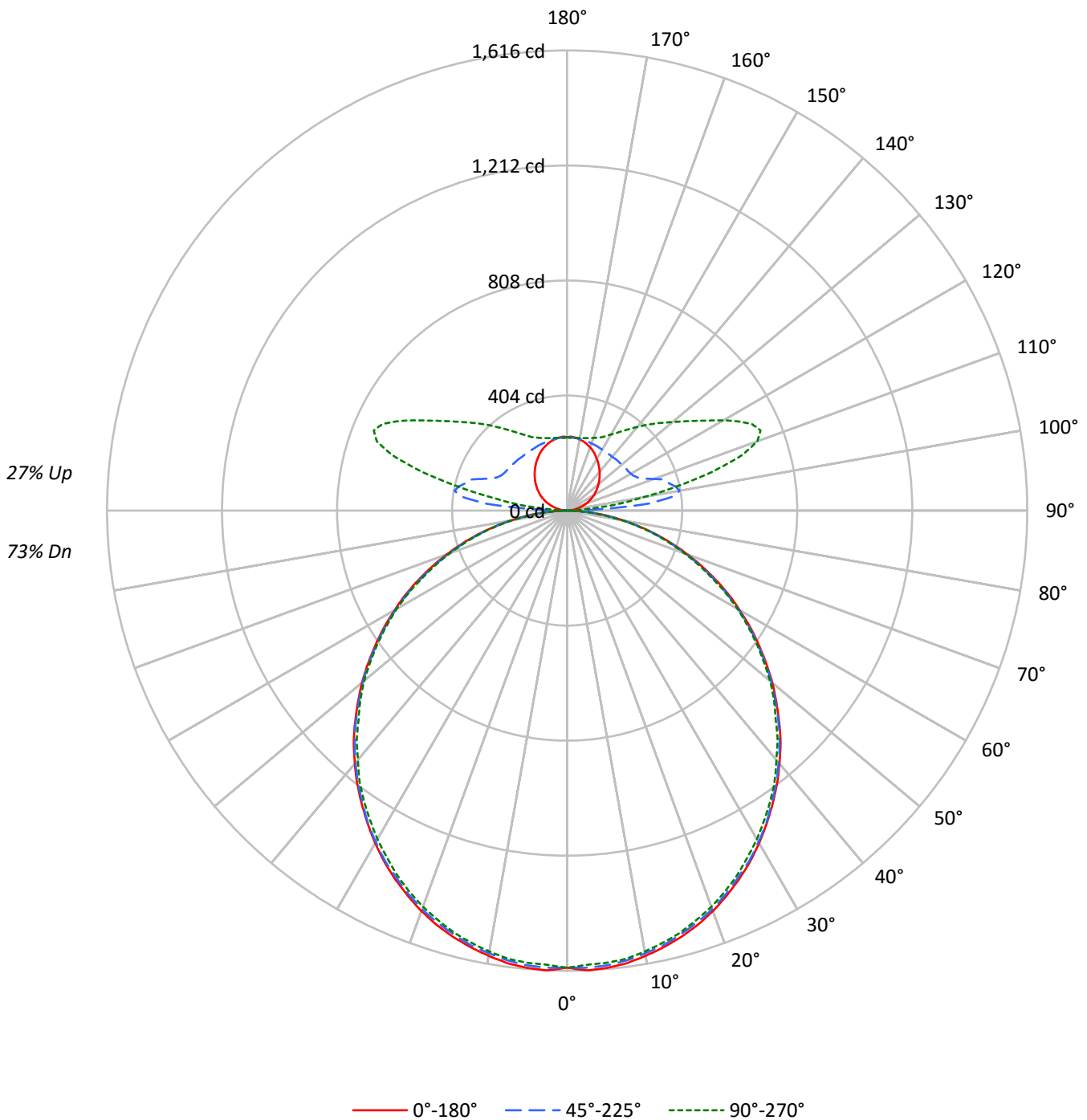
Lumens per Lamp: N/A
Luminaire Lumens: 6241.2 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 54
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	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	5196	5166
10°	5205	5175	5154
15°	5180	5151	5130
20°	5142	5121	5089
25°	5089	5065	5034
30°	5028	5012	4970
35°	4957	4939	4905
40°	4890	4872	4817
45°	4810	4793	4731
50°	4724	4705	4671
55°	4623	4599	4564
60°	4518	4489	4462
65°	4401	4349	4296
70°	4248	4183	4136
75°	4056	3978	3947
80°	3749	3702	3620
85°	3353	3123	2867



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.0	2.4
10°-20°	434.1	7.0
20°-30°	653.3	10.5
30°-40°	781.6	12.5
40°-50°	806.5	12.9
50°-60°	729.3	11.7
60°-70°	563.2	9.0
70°-80°	338.2	5.4
80°-90°	97.8	1.6
90°-100°	136.5	2.2
100°-110°	345.9	5.5
110°-120°	347.5	5.6
120°-130°	269.4	4.3
130°-140°	211.9	3.4
140°-150°	161.4	2.6
150°-160°	116.2	1.9
160°-170°	71.8	1.2
170°-180°	24.5	0.4
0°-30°	1239.4	19.9
0°-40°	2020.9	32.4
0°-60°	3556.7	57.0
0°-90°	4556.0	73.0
90°-120°	829.9	13.3
90°-150°	1472.7	23.6
90°-180°	1685.0	27.0
0°-180°	6241.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1605	1605	1605	1605	1605	
5°	1612	1596	1603	1599	1594	153
15°	1550	1535	1541	1539	1535	437
25°	1428	1415	1422	1413	1413	658
35°	1258	1249	1253	1242	1244	787
45°	1053	1045	1050	1038	1036	813
55°	821	819	817	808	811	735
65°	576	571	569	564	562	570
75°	325	321	319	319	316	343
85°	90	90	84	80	77	97
90°	1	1	2	1	1	7
95°	14	50	291	137	89	15
105°	51	84	370	602	528	54
115°	89	112	274	616	717	88
125°	126	145	254	457	549	113
135°	160	175	249	373	431	124
145°	194	203	246	308	341	121
155°	224	227	249	272	284	103
165°	246	246	253	260	263	69
175°	259	256	256	256	256	25
180°	257	257	257	257	257	



TEST NUMBER: P234865

CATALOG NUMBER: CTA-F-2575-30L840-UNV-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1605.1	1605.1	1605.1	1605.1	1605.1
2.5°	1616.4	1600.8	1607.0	1605.1	1596.4
5°	1612.0	1596.4	1603.2	1598.9	1593.9
7.5°	1603.2	1587.6	1593.9	1589.5	1587.6
10°	1587.6	1572.0	1578.3	1573.9	1572.0
12.5°	1570.2	1554.6	1563.3	1558.3	1554.6
15°	1549.6	1534.6	1540.8	1539.0	1534.6
17.5°	1525.2	1509.6	1516.5	1514.6	1507.8
20°	1496.5	1480.9	1490.3	1483.4	1480.9
22.5°	1463.5	1450.4	1457.2	1447.9	1447.9
25°	1428.5	1414.8	1421.6	1412.9	1412.9
27.5°	1390.4	1377.3	1386.1	1374.8	1372.3
30°	1348.6	1337.4	1344.3	1333.0	1333.0
32.5°	1303.7	1295.0	1301.8	1288.1	1288.1
35°	1257.5	1248.8	1253.1	1241.9	1244.4
37.5°	1210.7	1202.0	1207.0	1195.7	1197.6
40°	1160.2	1153.3	1155.8	1144.6	1142.7
42.5°	1109.6	1100.2	1104.6	1094.0	1094.0
45°	1053.4	1045.3	1049.7	1038.5	1036.0
47.5°	996.6	994.2	991.7	982.9	985.4
50°	940.5	939.2	936.7	927.4	929.9
52.5°	881.2	878.7	876.8	868.1	870.0
55°	821.3	819.4	816.9	808.2	810.7
57.5°	762.0	759.5	757.0	750.8	750.8
60°	699.6	697.7	695.2	690.9	690.9
62.5°	640.3	637.8	633.4	628.4	628.4
65°	576.0	571.0	569.2	564.2	562.3
67.5°	513.6	506.7	504.9	502.4	500.5
70°	450.0	445.0	443.1	440.6	438.1
72.5°	386.9	383.2	380.7	380.7	376.3
75°	325.1	321.4	318.9	318.9	316.4
77.5°	260.9	263.4	259.0	259.0	254.6
80°	201.6	201.6	199.1	197.2	194.7
82.5°	144.2	146.0	141.7	139.2	134.8
85°	90.5	90.5	84.3	79.9	77.4
87.5°	39.9	38.1	33.1	28.7	24.3
90°	1.2	1.2	1.9	1.2	1.2
92.5°	7.5	32.5	121.1	28.7	19.3
95°	14.4	49.9	290.8	137.3	88.6
97.5°	22.5	60.5	372.6	245.3	185.4
100°	31.8	78.6	401.3	360.7	272.1
102.5°	41.2	83.0	390.0	494.9	398.8
105°	50.6	83.6	370.1	602.2	528.0
107.5°	60.5	85.5	360.7	667.1	640.9
110°	69.9	93.6	323.9	683.4	710.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	79.9	103.6	292.1	660.3	735.2
115°	89.2	112.3	274.0	616.0	717.1
117.5°	99.2	121.1	264.0	566.7	678.4
120°	108.6	129.2	258.4	523.6	633.4
122.5°	117.3	137.3	255.2	488.0	587.9
125°	126.1	145.4	254.0	457.4	549.2
127.5°	134.8	152.9	252.8	433.1	514.2
130°	143.5	159.8	251.5	410.6	483.7
132.5°	152.3	167.9	249.6	390.7	456.8
135°	160.4	175.4	249.0	372.6	431.2
137.5°	169.1	182.9	247.8	354.5	406.9
140°	177.2	189.7	246.5	337.0	383.2
142.5°	185.4	196.6	246.5	322.0	361.3
145°	193.5	202.8	245.9	308.3	341.4
147.5°	201.6	209.1	246.5	296.4	323.3
150°	209.1	215.9	247.1	287.1	308.3
152.5°	216.6	221.5	247.8	278.3	295.2
155°	224.0	227.2	249.0	272.1	284.0
157.5°	230.3	232.2	250.3	267.7	277.1
160°	235.9	237.8	250.9	264.6	271.5
162.5°	241.5	242.1	252.1	262.1	266.5
165°	246.5	245.9	253.4	260.2	263.4
167.5°	250.3	249.6	254.6	258.4	260.9
170°	254.0	252.8	255.2	257.7	259.0
172.5°	257.1	254.6	256.5	257.1	257.7
175°	259.0	255.9	256.5	256.5	256.5
177.5°	260.2	257.1	257.1	257.1	255.2
180°	257.1	257.1	257.1	257.1	257.1

(END OF REPORT)