

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: P234588

Luminaire Tested: **CTA-F-2575-60L830-UNV-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-14)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-2575-60L830-UNV-4
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (336) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5868.0 lumens
Efficiency: N/A
Efficacy: 99.1 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: Semi-Direct

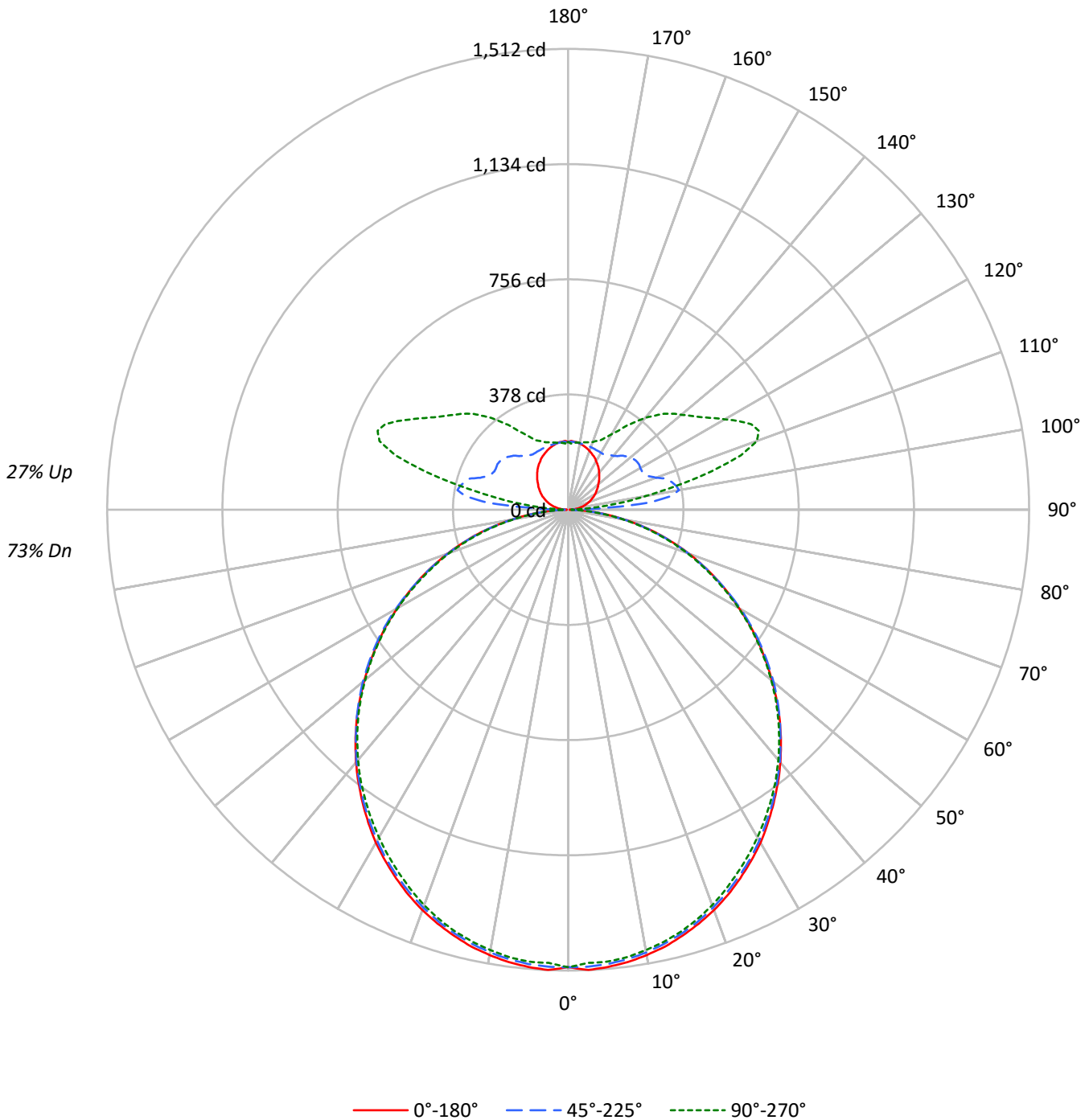
Input Watts (W): 59.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	75	73	71	67	66	64	60
2	93	85	79	73	88	81	75	70	73	68	64	66	62	59	59	56	54	50
3	85	75	67	61	80	71	64	58	64	59	54	58	53	50	52	48	45	42
4	78	66	58	51	73	63	55	49	57	51	46	51	46	42	46	42	39	36
5	71	59	50	44	67	56	48	42	51	44	39	46	41	37	42	37	34	31
6	66	53	44	38	62	50	43	37	46	39	34	42	36	32	38	33	30	27
7	61	48	39	33	57	46	38	32	42	35	30	38	32	28	34	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	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9693	9693	9693
5°	9761	9699	9649
10°	9729	9672	9622
15°	9675	9623	9579
20°	9608	9548	9489
25°	9510	9455	9366
30°	9407	9349	9256
35°	9263	9225	9150
40°	9127	9103	9038
45°	8966	8966	8904
50°	8772	8829	8733
55°	8585	8660	8542
60°	8371	8444	8333
65°	8184	8169	8067
70°	7953	7898	7824
75°	7630	7533	7413
80°	7010	6973	6757
85°	6128	5839	5342



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.0	2.4
10°-20°	405.4	6.9
20°-30°	609.9	10.4
30°-40°	730.1	12.4
40°-50°	754.7	12.9
50°-60°	682.8	11.6
60°-70°	528.9	9.0
70°-80°	318.6	5.4
80°-90°	92.2	1.6
90°-100°	131.4	2.2
100°-110°	326.5	5.6
110°-120°	332.8	5.7
120°-130°	266.9	4.5
130°-140°	210.0	3.6
140°-150°	150.0	2.6
150°-160°	102.1	1.7
160°-170°	62.4	1.1
170°-180°	21.2	0.4
0°-30°	1157.3	19.7
0°-40°	1887.4	32.2
0°-60°	3324.9	56.7
0°-90°	4264.7	72.7
90°-120°	790.7	13.5
90°-150°	1417.7	24.2
90°-180°	1603.0	27.3
0°-180°	5868.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1501	1501	1501	1501	1501	
5°	1506	1491	1496	1492	1488	143
15°	1447	1434	1439	1436	1433	408
25°	1335	1322	1327	1319	1314	615
35°	1175	1165	1170	1164	1161	735
45°	982	977	982	978	975	757
55°	762	762	769	762	759	682
65°	536	538	535	532	528	529
75°	306	305	302	298	297	322
85°	83	83	79	75	72	90
90°	5	12	12	12	11	8
95°	19	58	267	130	89	21
105°	56	98	351	556	486	59
115°	86	126	277	566	662	86
125°	115	138	275	451	530	104
135°	144	157	251	385	445	111
145°	172	180	218	295	338	107
155°	195	198	216	239	251	90
165°	214	214	219	227	229	60
175°	224	222	223	223	220	21
180°	222	222	222	222	222	



TEST NUMBER: P234588

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1501.0	1501.0	1501.0	1501.0	1501.0
2.5°	1511.5	1496.2	1501.0	1498.1	1488.5
5°	1505.8	1491.3	1496.2	1492.3	1488.5
7.5°	1497.1	1482.7	1487.5	1483.7	1480.8
10°	1483.7	1470.2	1475.0	1471.2	1467.3
12.5°	1468.3	1452.9	1458.7	1453.8	1451.9
15°	1447.1	1433.7	1439.4	1436.5	1432.7
17.5°	1424.0	1410.6	1416.3	1414.4	1408.7
20°	1398.1	1384.6	1389.4	1384.6	1380.8
22.5°	1368.3	1355.8	1359.6	1352.9	1349.0
25°	1334.6	1322.1	1326.9	1319.2	1314.4
27.5°	1299.0	1287.5	1292.3	1284.6	1278.8
30°	1261.5	1249.0	1253.8	1245.2	1241.3
32.5°	1219.2	1208.7	1212.5	1206.7	1201.9
35°	1175.0	1165.4	1170.2	1164.4	1160.6
37.5°	1129.8	1121.2	1125.0	1120.2	1118.3
40°	1082.7	1074.0	1079.8	1075.0	1072.1
42.5°	1032.7	1026.0	1030.8	1027.9	1024.0
45°	981.7	976.9	981.7	977.9	975.0
47.5°	927.9	925.0	931.7	926.0	923.1
50°	873.1	872.1	878.8	873.1	869.2
52.5°	818.3	818.3	824.0	818.3	814.4
55°	762.5	762.5	769.2	762.5	758.7
57.5°	706.7	708.7	712.5	705.8	702.9
60°	648.1	652.9	653.8	648.1	645.2
62.5°	591.3	595.2	594.2	590.4	586.5
65°	535.6	537.5	534.6	531.7	527.9
67.5°	477.9	480.8	476.9	475.0	470.2
70°	421.2	423.1	418.3	416.3	414.4
72.5°	362.5	362.5	360.6	357.7	355.8
75°	305.8	304.8	301.9	298.1	297.1
77.5°	247.1	247.1	246.2	240.4	238.5
80°	188.5	188.5	187.5	183.7	181.7
82.5°	134.6	134.6	130.8	129.8	127.9
85°	82.7	82.7	78.8	75.0	72.1
87.5°	35.6	33.7	30.8	26.9	26.0
90°	4.8	11.5	11.5	11.5	10.6
92.5°	14.4	39.4	104.8	37.5	27.9
95°	19.2	57.7	267.3	129.8	89.4
97.5°	30.8	69.2	337.5	223.1	174.0
100°	39.4	86.5	369.2	327.9	257.7
102.5°	48.1	93.3	362.5	448.1	363.5
105°	55.8	98.1	351.0	555.8	486.5
107.5°	64.4	103.8	338.5	615.4	593.3
110°	72.1	113.5	306.7	628.8	658.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	79.8	121.2	286.5	605.8	676.9
115°	86.5	126.0	276.9	566.3	662.5
117.5°	95.2	129.8	273.1	527.9	629.8
120°	101.9	131.7	273.1	496.2	593.3
122.5°	108.7	133.7	276.0	470.2	559.6
125°	115.4	137.5	275.0	451.0	529.8
127.5°	123.1	139.4	272.1	435.6	505.8
130°	128.8	144.2	267.3	422.1	484.6
132.5°	136.5	151.0	258.7	405.8	466.3
135°	144.2	156.7	251.0	384.6	445.2
137.5°	151.0	162.5	238.5	364.4	418.3
140°	157.7	168.3	230.8	341.3	393.3
142.5°	165.4	174.0	226.0	320.2	363.5
145°	172.1	179.8	218.3	295.2	337.5
147.5°	177.9	184.6	215.4	276.0	307.7
150°	183.7	189.4	215.4	262.5	286.5
152.5°	190.4	193.3	216.3	245.2	267.3
155°	195.2	198.1	216.3	239.4	251.0
157.5°	200.0	201.9	217.3	234.6	244.2
160°	204.8	206.7	218.3	230.8	236.5
162.5°	209.6	209.6	218.3	228.8	231.7
165°	213.5	213.5	219.2	226.9	228.8
167.5°	217.3	216.3	220.2	225.0	226.0
170°	220.2	218.3	221.2	224.0	223.1
172.5°	223.1	220.2	222.1	223.1	222.1
175°	224.0	222.1	223.1	223.1	220.2
177.5°	226.0	223.1	223.1	222.1	217.3
180°	222.1	222.1	222.1	222.1	222.1

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