

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: P234860

Luminaire Tested: **CTA-F-2575-20L830-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234860
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-2575-20L830-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
2000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (1008) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6563.7 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')
CIE Type: Semi-Direct

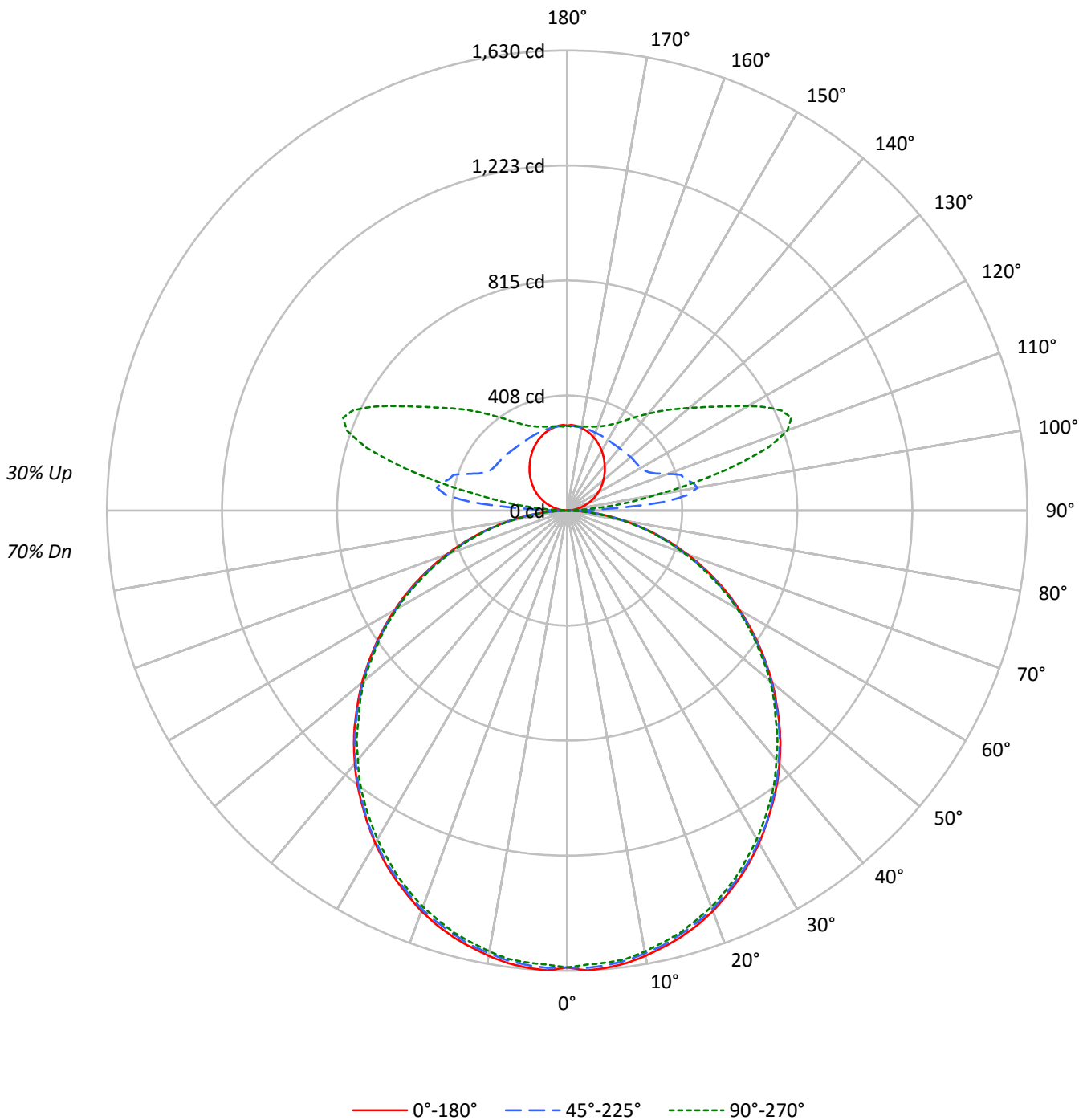
Input Watts (W): 56.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	70
1	102	97	93	89	96	92	89	85	82	80	77	74	71	69	65	64	62	58
2	93	85	78	73	87	80	74	70	72	67	63	64	61	58	57	54	52	48
3	84	74	66	60	79	70	63	58	63	58	53	57	52	48	50	47	44	41
4	77	66	57	51	73	62	55	49	56	50	45	50	45	41	45	41	38	35
5	71	59	50	44	67	56	48	42	50	44	39	45	40	36	40	36	33	30
6	65	53	44	38	61	50	42	37	45	39	34	41	35	31	37	32	29	26
7	60	47	39	33	57	45	38	32	41	35	30	37	32	28	33	29	25	23
8	56	43	35	29	53	41	34	28	37	31	27	34	29	25	31	26	23	21
9	52	39	32	26	49	38	30	25	34	28	24	31	26	22	28	24	21	19
10	49	36	29	24	46	35	28	23	32	26	22	29	24	20	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3484	3484	3484
5°	3513	3493	3473
10°	3501	3480	3466
15°	3483	3462	3449
20°	3458	3443	3422
25°	3420	3405	3384
30°	3380	3369	3341
35°	3332	3322	3298
40°	3288	3275	3239
45°	3235	3223	3181
50°	3176	3163	3141
55°	3109	3091	3067
60°	3038	3018	2998
65°	2959	2922	2889
70°	2854	2809	2780
75°	2730	2675	2653
80°	2514	2489	2441
85°	2252	2107	1929



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.3	2.3
10°-20°	437.8	6.7
20°-30°	658.8	10.0
30°-40°	788.2	12.0
40°-50°	813.4	12.4
50°-60°	735.4	11.2
60°-70°	568.0	8.7
70°-80°	341.1	5.2
80°-90°	98.6	1.5
90°-100°	159.5	2.4
100°-110°	404.1	6.2
110°-120°	406.0	6.2
120°-130°	314.9	4.8
130°-140°	247.6	3.8
140°-150°	188.7	2.9
150°-160°	135.8	2.1
160°-170°	84.0	1.3
170°-180°	28.6	0.4
0°-30°	1249.8	19.0
0°-40°	2038.1	31.1
0°-60°	3586.9	54.6
0°-90°	4594.6	70.0
90°-120°	969.6	14.8
90°-150°	1720.7	26.2
90°-180°	1969.0	30.0
0°-180°	6563.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1618	1618	1618	1618	1618	
5°	1626	1610	1616	1612	1607	154
15°	1563	1548	1554	1552	1548	441
25°	1440	1427	1433	1425	1425	664
35°	1268	1260	1264	1252	1255	794
45°	1063	1054	1059	1047	1045	820
55°	828	826	824	815	817	741
65°	581	576	574	569	567	575
75°	328	324	322	322	319	346
85°	91	91	85	80	78	97
90°	1	2	2	2	1	7
95°	17	58	340	160	104	18
105°	59	98	432	704	617	62
115°	104	131	320	719	838	103
125°	148	170	297	535	641	132
135°	188	205	291	435	504	145
145°	226	238	288	360	399	142
155°	261	265	291	318	332	120
165°	288	288	297	304	308	81
175°	303	299	300	300	300	29
180°	301	301	301	301	301	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1618.5	1618.5	1618.5	1618.5	1618.5
2.5°	1630.3	1614.6	1621.1	1618.5	1610.0
5°	1625.7	1610.0	1616.5	1612.0	1607.4
7.5°	1616.5	1601.5	1607.4	1602.8	1601.5
10°	1601.5	1585.7	1592.3	1587.0	1585.7
12.5°	1583.1	1567.3	1576.5	1571.9	1567.3
15°	1562.7	1547.6	1553.5	1552.2	1547.6
17.5°	1538.4	1522.7	1529.3	1527.3	1520.7
20°	1509.6	1493.8	1503.0	1495.8	1493.8
22.5°	1475.4	1462.3	1469.5	1460.3	1460.3
25°	1440.0	1426.9	1433.4	1424.9	1424.9
27.5°	1401.9	1388.8	1397.3	1386.8	1384.2
30°	1359.9	1348.1	1355.3	1344.2	1344.2
32.5°	1314.6	1306.1	1313.3	1299.5	1299.5
35°	1268.0	1259.5	1264.1	1252.3	1254.9
37.5°	1221.4	1212.2	1216.8	1205.7	1207.7
40°	1170.2	1163.0	1165.6	1154.5	1152.5
42.5°	1118.4	1109.2	1114.5	1103.3	1103.3
45°	1062.6	1054.1	1058.7	1046.9	1044.9
47.5°	1004.8	1002.2	1000.3	991.7	993.7
50°	948.4	947.1	944.5	935.3	937.9
52.5°	888.7	886.1	884.7	875.5	877.5
55°	828.3	826.3	823.7	815.2	817.1
57.5°	767.9	765.9	763.3	757.4	757.4
60°	705.6	703.6	701.0	696.4	696.4
62.5°	645.8	643.2	638.6	634.0	634.0
65°	580.9	576.3	573.6	569.0	567.1
67.5°	517.8	511.3	509.3	506.7	504.7
70°	453.5	448.9	446.3	444.3	441.7
72.5°	390.5	386.6	384.0	384.0	379.4
75°	328.2	323.6	321.6	321.6	319.0
77.5°	263.2	265.8	261.2	261.2	256.6
80°	202.8	202.8	200.8	198.9	196.9
82.5°	145.0	147.7	143.1	140.5	135.9
85°	91.2	91.2	85.3	80.1	78.1
87.5°	40.0	38.1	33.5	28.9	24.3
90°	1.3	2.0	2.0	2.0	1.3
92.5°	8.5	38.1	141.1	33.5	22.3
95°	17.1	58.4	340.0	160.1	103.7
97.5°	26.3	70.2	435.1	286.8	216.6
100°	36.8	91.9	468.6	422.0	318.3
102.5°	47.9	96.5	455.5	578.2	466.0
105°	59.1	97.8	431.9	703.6	617.0
107.5°	70.2	99.8	422.0	779.7	748.9
110°	82.0	109.0	378.7	798.8	830.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	93.2	120.8	341.3	771.8	859.1
115°	103.7	131.3	320.3	719.3	838.1
117.5°	115.5	141.1	307.8	662.2	792.9
120°	126.7	151.0	301.9	611.7	740.3
122.5°	137.2	160.8	298.6	569.7	687.2
125°	147.7	170.0	296.7	534.9	641.2
127.5°	157.5	178.5	295.4	506.0	600.5
130°	167.4	187.1	294.0	479.8	565.1
132.5°	177.9	196.2	292.1	456.8	533.6
135°	187.7	204.8	290.8	435.1	504.1
137.5°	197.6	214.0	289.4	414.1	475.2
140°	206.7	221.8	288.1	393.8	447.6
142.5°	216.6	229.7	288.1	376.7	422.0
145°	226.4	237.6	287.5	359.7	399.1
147.5°	235.6	244.8	288.1	346.5	377.4
150°	244.8	252.0	288.8	335.4	359.7
152.5°	253.3	258.6	290.1	324.9	344.6
155°	261.2	265.2	291.4	317.7	332.1
157.5°	269.1	271.7	292.7	313.1	323.6
160°	275.7	277.6	293.4	309.1	317.0
162.5°	282.2	282.9	294.7	306.5	311.8
165°	288.1	287.5	296.7	304.5	307.8
167.5°	292.7	291.4	297.3	301.9	304.5
170°	296.7	295.4	298.6	301.3	302.6
172.5°	300.6	297.3	299.3	300.6	301.3
175°	302.6	298.6	299.9	299.9	299.9
177.5°	303.9	300.6	300.6	300.6	298.0
180°	300.6	300.6	300.6	300.6	300.6

(END OF REPORT)