

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: P234858

Luminaire Tested: **CTA-F-2575-20L835-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234858
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-2575-20L835-UNV-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
2000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (672) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4550.8 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')
CIE Type: Semi-Direct

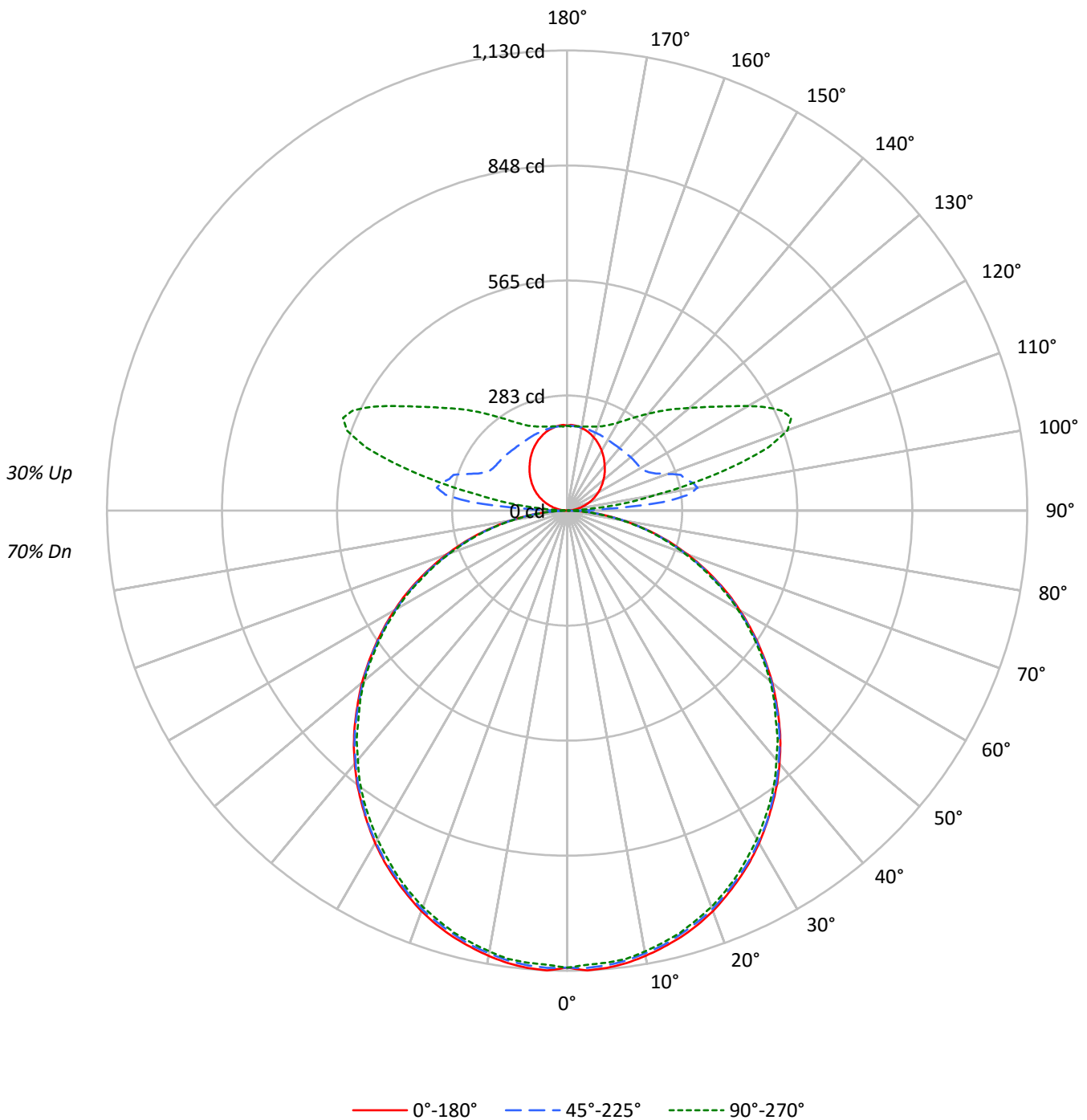
Input Watts (W): 38.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3623	3623	3623
5°	3654	3633	3612
10°	3640	3620	3605
15°	3622	3601	3587
20°	3596	3581	3559
25°	3557	3541	3520
30°	3516	3504	3475
35°	3466	3455	3430
40°	3420	3407	3368
45°	3364	3352	3308
50°	3303	3289	3267
55°	3233	3215	3189
60°	3159	3139	3118
65°	3077	3039	3004
70°	2968	2921	2892
75°	2838	2782	2760
80°	2614	2588	2538
85°	2345	2193	2008



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	2.3
10°-20°	303.5	6.7
20°-30°	456.7	10.0
30°-40°	546.5	12.0
40°-50°	563.9	12.4
50°-60°	509.9	11.2
60°-70°	393.8	8.7
70°-80°	236.5	5.2
80°-90°	68.4	1.5
90°-100°	110.6	2.4
100°-110°	280.2	6.2
110°-120°	281.5	6.2
120°-130°	218.3	4.8
130°-140°	171.7	3.8
140°-150°	130.8	2.9
150°-160°	94.2	2.1
160°-170°	58.2	1.3
170°-180°	19.8	0.4
0°-30°	866.6	19.0
0°-40°	1413.1	31.1
0°-60°	2486.9	54.6
0°-90°	3185.6	70.0
90°-120°	672.2	14.8
90°-150°	1193.1	26.2
90°-180°	1365.0	30.0
0°-180°	4550.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1122	1122	1122	1122	1122	
5°	1127	1116	1121	1118	1114	107
15°	1084	1073	1077	1076	1073	306
25°	998	989	994	988	988	460
35°	879	873	876	868	870	550
45°	737	731	734	726	724	568
55°	574	573	571	565	566	514
65°	403	400	398	394	393	399
75°	228	224	223	223	221	240
85°	63	63	59	56	54	67
90°	1	1	1	1	1	5
95°	12	40	236	111	72	12
105°	41	68	299	488	428	43
115°	72	91	222	499	581	72
125°	102	118	206	371	445	91
135°	130	142	202	302	350	100
145°	157	165	199	249	277	98
155°	181	184	202	220	230	83
165°	200	199	206	211	213	56
175°	210	207	208	208	208	20
180°	208	208	208	208	208	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1122.2	1122.2	1122.2	1122.2	1122.2
2.5°	1130.4	1119.4	1124.0	1122.2	1116.3
5°	1127.2	1116.3	1120.8	1117.6	1114.4
7.5°	1120.8	1110.3	1114.4	1111.3	1110.3
10°	1110.3	1099.4	1104.0	1100.3	1099.4
12.5°	1097.6	1086.7	1093.0	1089.9	1086.7
15°	1083.5	1073.0	1077.1	1076.2	1073.0
17.5°	1066.7	1055.7	1060.3	1058.9	1054.4
20°	1046.6	1035.7	1042.1	1037.1	1035.7
22.5°	1023.0	1013.9	1018.9	1012.5	1012.5
25°	998.4	989.3	993.8	987.9	987.9
27.5°	972.0	962.9	968.8	961.5	959.7
30°	942.9	934.7	939.7	932.0	932.0
32.5°	911.5	905.6	910.6	901.0	901.0
35°	879.2	873.3	876.4	868.3	870.1
37.5°	846.9	840.5	843.7	835.9	837.3
40°	811.4	806.4	808.2	800.4	799.1
42.5°	775.4	769.0	772.7	765.0	765.0
45°	736.7	730.8	734.0	725.8	724.5
47.5°	696.7	694.9	693.5	687.6	689.0
50°	657.6	656.6	654.8	648.5	650.3
52.5°	616.1	614.3	613.4	607.0	608.4
55°	574.3	572.9	571.1	565.2	566.5
57.5°	532.4	531.1	529.2	525.1	525.1
60°	489.2	487.8	486.0	482.8	482.8
62.5°	447.8	446.0	442.8	439.6	439.6
65°	402.7	399.5	397.7	394.5	393.2
67.5°	359.0	354.5	353.1	351.3	349.9
70°	314.4	311.3	309.4	308.1	306.3
72.5°	270.8	268.0	266.2	266.2	263.0
75°	227.5	224.3	223.0	223.0	221.2
77.5°	182.5	184.3	181.1	181.1	177.9
80°	140.6	140.6	139.2	137.9	136.5
82.5°	100.6	102.4	99.2	97.4	94.2
85°	63.3	63.3	59.2	55.5	54.2
87.5°	27.8	26.4	23.2	20.0	16.8
90°	0.9	1.4	1.4	1.4	0.9
92.5°	5.9	26.4	97.8	23.2	15.5
95°	11.8	40.5	235.7	111.0	71.9
97.5°	18.2	48.7	301.7	198.9	150.2
100°	25.5	63.7	324.9	292.6	220.7
102.5°	33.2	66.9	315.8	400.9	323.1
105°	41.0	67.8	299.4	487.8	427.8
107.5°	48.7	69.2	292.6	540.6	519.2
110°	56.9	75.5	262.6	553.8	575.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	64.6	83.7	236.6	535.1	595.7
115°	71.9	91.0	222.1	498.7	581.1
117.5°	80.1	97.8	213.4	459.2	549.7
120°	87.8	104.7	209.3	424.1	513.3
122.5°	95.1	111.5	207.1	395.0	476.4
125°	102.4	117.9	205.7	370.9	444.6
127.5°	109.2	123.8	204.8	350.8	416.4
130°	116.0	129.7	203.9	332.6	391.8
132.5°	123.3	136.1	202.5	316.7	370.0
135°	130.1	142.0	201.6	301.7	349.5
137.5°	137.0	148.3	200.7	287.1	329.5
140°	143.3	153.8	199.8	273.0	310.3
142.5°	150.2	159.3	199.8	261.2	292.6
145°	157.0	164.7	199.3	249.4	276.7
147.5°	163.4	169.7	199.8	240.3	261.7
150°	169.7	174.7	200.2	232.5	249.4
152.5°	175.7	179.3	201.1	225.3	238.9
155°	181.1	183.8	202.0	220.2	230.3
157.5°	186.6	188.4	203.0	217.1	224.3
160°	191.1	192.5	203.4	214.3	219.8
162.5°	195.7	196.1	204.3	212.5	216.2
165°	199.8	199.3	205.7	211.1	213.4
167.5°	203.0	202.0	206.1	209.3	211.1
170°	205.7	204.8	207.1	208.9	209.8
172.5°	208.4	206.1	207.5	208.4	208.9
175°	209.8	207.1	208.0	208.0	208.0
177.5°	210.7	208.4	208.4	208.4	206.6
180°	208.4	208.4	208.4	208.4	208.4

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