

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: P234857

Luminaire Tested: **CTA-F-2575-20L830-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234857
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-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
2000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (672) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4375.8 lumens
Efficiency: N/A
Efficacy: 114.3 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

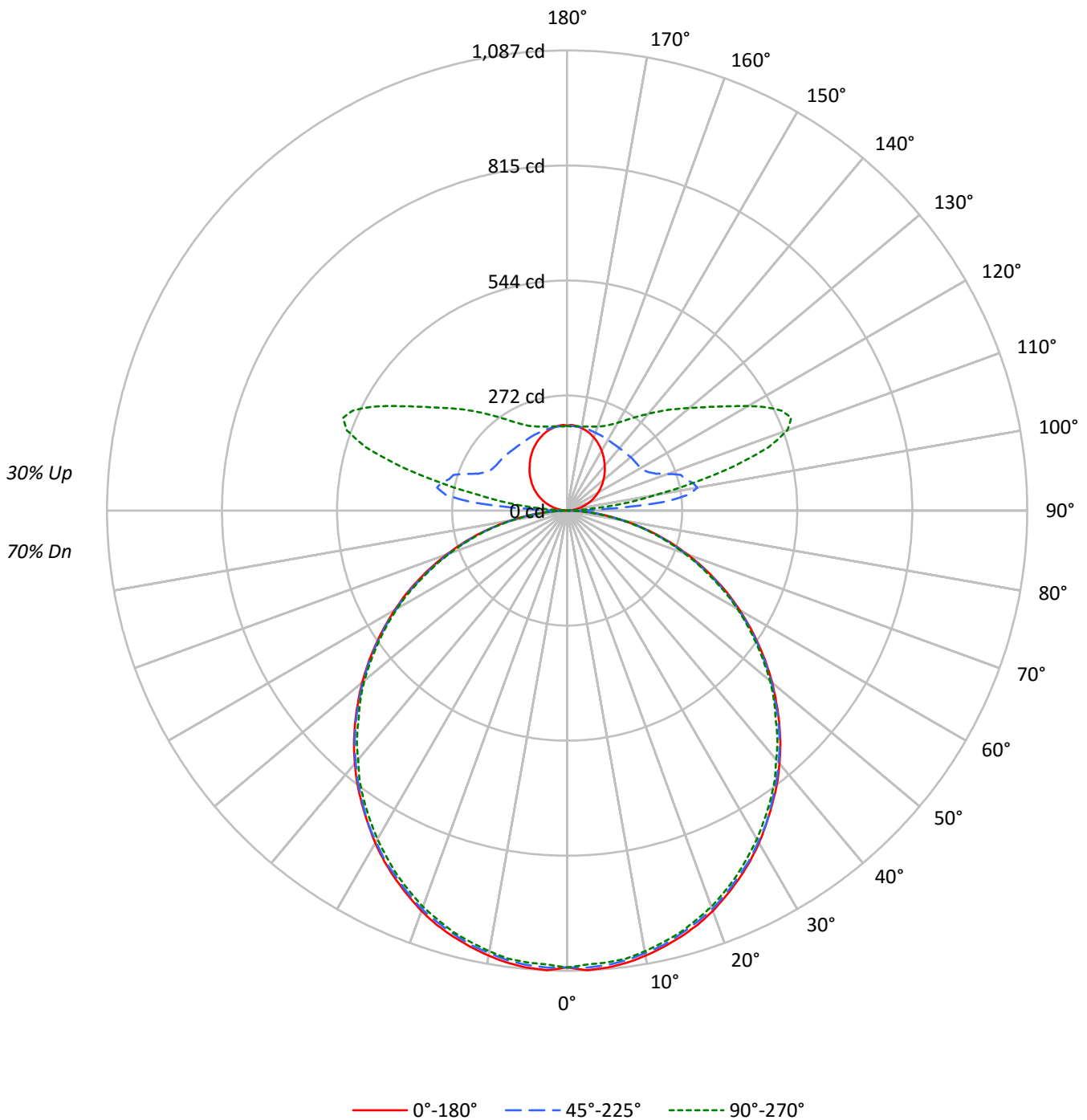
Input Watts (W): 38.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70	
1	102	97	93	89	96	92	89	85	82	80	77	74	71	69	65	64	62	65	64	62	58	
2	93	85	78	73	87	80	74	70	72	67	63	64	61	58	57	54	52	57	54	52	48	
3	84	74	66	60	79	70	63	58	63	58	53	57	52	48	50	47	44	50	47	44	41	
4	77	66	57	51	73	62	55	49	56	50	45	50	45	41	45	41	38	45	41	38	35	
5	71	59	50	44	67	56	48	42	50	44	39	45	40	36	40	36	33	40	36	33	30	
6	65	53	44	38	61	50	42	37	45	39	34	41	35	31	37	32	29	37	32	29	26	
7	60	47	39	33	57	45	38	32	41	35	30	37	32	28	33	29	25	33	29	25	23	
8	56	43	35	29	53	41	34	28	37	31	27	34	29	25	31	26	23	31	26	23	21	
9	52	39	32	26	49	38	30	25	34	28	24	31	26	22	28	24	21	28	24	21	19	
10	49	36	29	24	46	35	28	23	32	26	22	29	24	20	26	22	19	26	22	19	17	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3484	3484	3484
5°	3513	3493	3473
10°	3500	3480	3466
15°	3483	3462	3449
20°	3458	3443	3422
25°	3420	3405	3384
30°	3380	3369	3341
35°	3332	3322	3298
40°	3289	3276	3238
45°	3235	3223	3181
50°	3176	3163	3141
55°	3109	3091	3067
60°	3038	3018	2998
65°	2958	2922	2888
70°	2855	2809	2780
75°	2730	2675	2654
80°	2514	2490	2441
85°	2252	2108	1930



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	2.3
10°-20°	291.9	6.7
20°-30°	439.2	10.0
30°-40°	525.5	12.0
40°-50°	542.2	12.4
50°-60°	490.3	11.2
60°-70°	378.7	8.7
70°-80°	227.4	5.2
80°-90°	65.8	1.5
90°-100°	106.3	2.4
100°-110°	269.4	6.2
110°-120°	270.7	6.2
120°-130°	209.9	4.8
130°-140°	165.1	3.8
140°-150°	125.8	2.9
150°-160°	90.5	2.1
160°-170°	56.0	1.3
170°-180°	19.1	0.4
0°-30°	833.2	19.0
0°-40°	1358.7	31.1
0°-60°	2391.2	54.6
0°-90°	3063.0	70.0
90°-120°	646.4	14.8
90°-150°	1147.2	26.2
90°-180°	1313.0	30.0
0°-180°	4375.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1079	1079	1079	1079	1079	
5°	1084	1073	1078	1075	1072	103
15°	1042	1032	1036	1035	1032	294
25°	960	951	956	950	950	442
35°	845	840	843	835	837	529
45°	708	703	706	698	697	546
55°	552	551	549	543	545	494
65°	387	384	382	379	378	383
75°	219	216	214	214	213	230
85°	61	61	57	53	52	65
90°	1	1	1	1	1	5
95°	11	39	227	107	69	12
105°	39	65	288	469	411	42
115°	69	88	214	480	559	69
125°	98	113	198	357	428	88
135°	125	136	194	290	336	97
145°	151	158	192	240	266	94
155°	174	177	194	212	221	80
165°	192	192	198	203	205	54
175°	202	199	200	200	200	19
180°	200	200	200	200	200	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1079.0	1079.0	1079.0	1079.0	1079.0
2.5°	1086.9	1076.4	1080.8	1079.0	1073.3
5°	1083.8	1073.3	1077.7	1074.6	1071.6
7.5°	1077.7	1067.6	1071.6	1068.5	1067.6
10°	1067.6	1057.1	1061.5	1058.0	1057.1
12.5°	1055.4	1044.9	1051.0	1047.9	1044.9
15°	1041.8	1031.8	1035.7	1034.8	1031.8
17.5°	1025.6	1015.1	1019.5	1018.2	1013.8
20°	1006.4	995.9	1002.0	997.2	995.9
22.5°	983.6	974.9	979.7	973.6	973.6
25°	960.0	951.2	955.6	949.9	949.9
27.5°	934.6	925.9	931.6	924.6	922.8
30°	906.6	898.7	903.6	896.1	896.1
32.5°	876.4	870.7	875.5	866.4	866.4
35°	845.4	839.7	842.7	834.9	836.6
37.5°	814.3	808.2	811.2	803.8	805.1
40°	780.2	775.3	777.1	769.7	768.3
42.5°	745.6	739.5	743.0	735.5	735.5
45°	708.4	702.7	705.8	697.9	696.6
47.5°	669.9	668.1	666.8	661.1	662.5
50°	632.3	631.4	629.6	623.5	625.3
52.5°	592.5	590.7	589.8	583.7	585.0
55°	552.2	550.9	549.1	543.4	544.8
57.5°	511.9	510.6	508.9	504.9	504.9
60°	470.4	469.1	467.3	464.2	464.2
62.5°	430.6	428.8	425.7	422.7	422.7
65°	387.2	384.2	382.4	379.4	378.0
67.5°	345.2	340.9	339.5	337.8	336.5
70°	302.4	299.3	297.5	296.2	294.5
72.5°	260.3	257.7	256.0	256.0	252.9
75°	218.8	215.7	214.4	214.4	212.7
77.5°	175.5	177.2	174.1	174.1	171.1
80°	135.2	135.2	133.9	132.6	131.3
82.5°	96.7	98.5	95.4	93.6	90.6
85°	60.8	60.8	56.9	53.4	52.1
87.5°	26.7	25.4	22.3	19.3	16.2
90°	0.9	1.3	1.3	1.3	0.9
92.5°	5.7	25.4	94.1	22.3	14.9
95°	11.4	38.9	226.7	106.8	69.1
97.5°	17.5	46.8	290.1	191.2	144.4
100°	24.5	61.3	312.4	281.3	212.2
102.5°	31.9	64.3	303.7	385.5	310.7
105°	39.4	65.2	287.9	469.1	411.3
107.5°	46.8	66.5	281.3	519.8	499.3
110°	54.7	72.6	252.5	532.5	553.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	62.1	80.5	227.5	514.6	572.8
115°	69.1	87.5	213.5	479.6	558.8
117.5°	77.0	94.1	205.2	441.5	528.6
120°	84.4	100.6	201.3	407.8	493.6
122.5°	91.4	107.2	199.1	379.8	458.1
125°	98.5	113.3	197.8	356.6	427.5
127.5°	105.0	119.0	196.9	337.4	400.4
130°	111.6	124.7	196.0	319.9	376.7
132.5°	118.6	130.8	194.7	304.5	355.7
135°	125.1	136.5	193.8	290.1	336.0
137.5°	131.7	142.6	193.0	276.1	316.8
140°	137.8	147.9	192.1	262.5	298.4
142.5°	144.4	153.1	192.1	251.2	281.3
145°	151.0	158.4	191.6	239.8	266.0
147.5°	157.1	163.2	192.1	231.0	251.6
150°	163.2	168.0	192.5	223.6	239.8
152.5°	168.9	172.4	193.4	216.6	229.7
155°	174.1	176.8	194.3	211.8	221.4
157.5°	179.4	181.1	195.1	208.7	215.7
160°	183.8	185.1	195.6	206.1	211.3
162.5°	188.1	188.6	196.5	204.3	207.8
165°	192.1	191.6	197.8	203.0	205.2
167.5°	195.1	194.3	198.2	201.3	203.0
170°	197.8	196.9	199.1	200.8	201.7
172.5°	200.4	198.2	199.5	200.4	200.8
175°	201.7	199.1	200.0	200.0	200.0
177.5°	202.6	200.4	200.4	200.4	198.7
180°	200.4	200.4	200.4	200.4	200.4

(END OF REPORT)