

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: P234577

Luminaire Tested: **CTA-F-2575-40L830-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-12)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-2575-40L830-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
4000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (1008) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

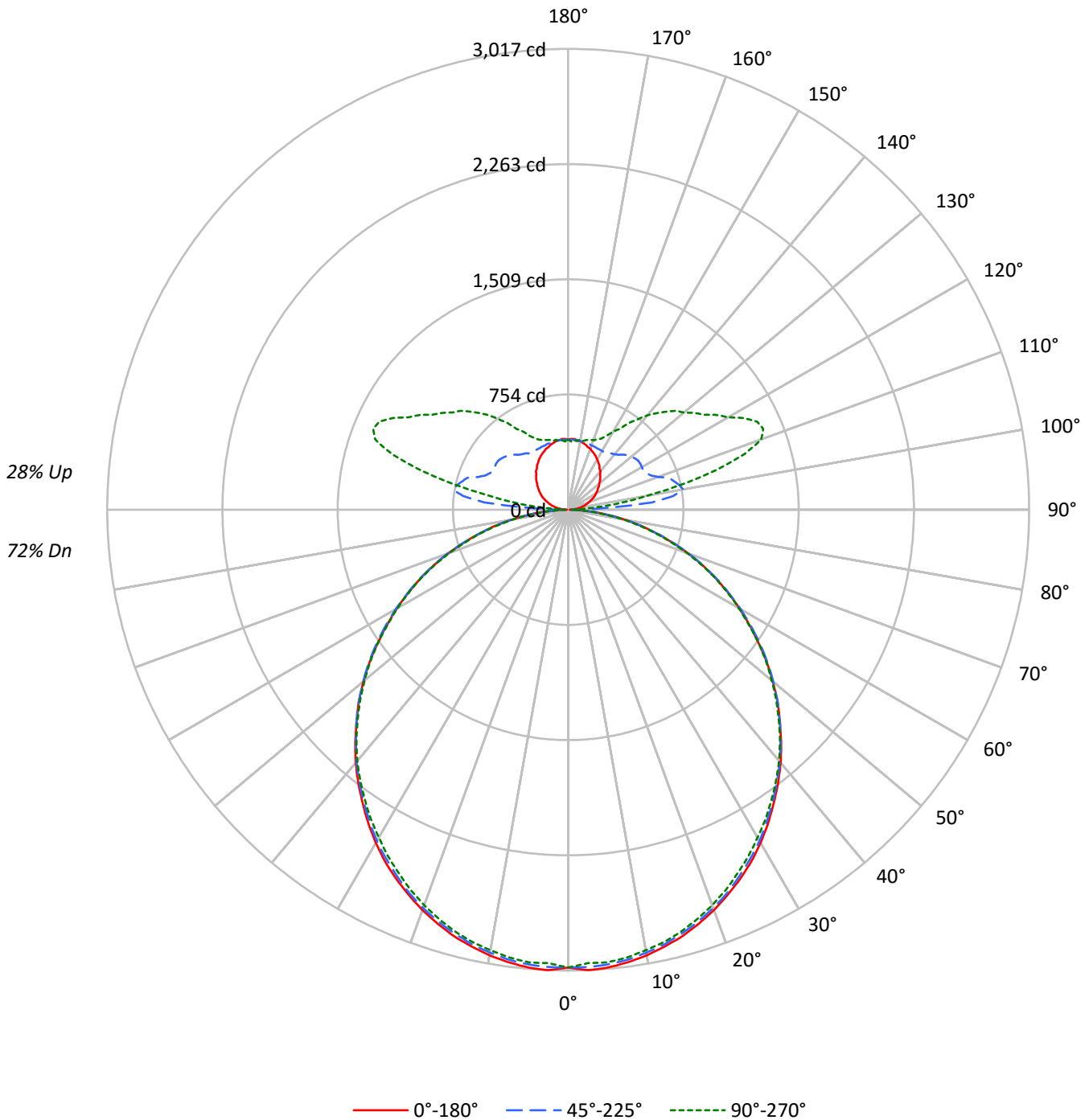
Lumens per Lamp: N/A
Luminaire Lumens: 11803.5 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 110.4
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	107	107	107	107	96	96	96	86	86	86	76	76	76	72
1	102	98	94	90	97	93	89	86	83	81	78	75	73	71	67	65	64	60
2	93	85	79	73	88	81	75	70	73	68	64	65	62	59	59	56	53	50
3	85	75	67	61	80	71	64	58	64	58	54	58	53	49	52	48	45	42
4	77	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	36	41	37	34	31
6	66	53	44	38	62	50	42	37	46	39	34	42	36	32	38	33	29	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	41	34	29	38	31	27	35	29	25	31	27	23	21
9	53	40	32	26	50	38	31	26	35	29	24	32	26	23	29	24	21	19
10	49	36	29	24	47	35	28	23	32	26	22	29	24	20	27	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6452	6452	6452
5°	6501	6458	6426
10°	6475	6438	6400
15°	6441	6403	6371
20°	6390	6357	6311
25°	6331	6290	6235
30°	6260	6223	6159
35°	6163	6133	6095
40°	6080	6055	6031
45°	5963	5963	5936
50°	5854	5864	5825
55°	5705	5748	5705
60°	5576	5613	5551
65°	5436	5466	5407
70°	5265	5301	5192
75°	4966	5014	4895
80°	4685	4613	4470
85°	4060	3989	3562



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.5	2.4
10°-20°	809.5	6.9
20°-30°	1217.7	10.3
30°-40°	1457.6	12.3
40°-50°	1507.6	12.8
50°-60°	1363.5	11.6
60°-70°	1056.1	8.9
70°-80°	632.9	5.4
80°-90°	185.1	1.6
90°-100°	271.0	2.3
100°-110°	670.3	5.7
110°-120°	681.8	5.8
120°-130°	546.9	4.6
130°-140°	430.1	3.6
140°-150°	308.1	2.6
150°-160°	209.6	1.8
160°-170°	128.4	1.1
170°-180°	43.7	0.4
0°-30°	2310.7	19.6
0°-40°	3768.3	31.9
0°-60°	6639.4	56.2
0°-90°	8513.5	72.1
90°-120°	1623.2	13.8
90°-150°	2908.3	24.6
90°-180°	3290.0	27.9
0°-180°	11803.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2997	2997	2997	2997	2997	
5°	3009	2980	2988	2980	2974	286
15°	2890	2864	2873	2870	2859	815
25°	2665	2639	2648	2634	2625	1228
35°	2345	2328	2334	2322	2319	1468
45°	1959	1950	1959	1953	1950	1513
55°	1520	1523	1532	1523	1520	1362
65°	1067	1070	1073	1062	1062	1055
75°	597	606	603	591	588	635
85°	164	167	162	150	144	178
90°	12	23	23	23	20	17
95°	40	118	548	274	185	42
105°	112	199	718	1145	998	120
115°	179	260	565	1160	1364	176
125°	236	283	560	926	1085	213
135°	297	323	511	788	909	229
145°	355	369	450	609	692	221
155°	404	407	444	490	514	186
165°	441	438	450	467	473	124
175°	464	459	459	459	456	44
180°	459	459	459	459	459	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2997.1	2997.1	2997.1	2997.1	2997.1
2.5°	3017.3	2988.5	2997.1	2991.3	2971.2
5°	3008.7	2979.8	2988.5	2979.8	2974.0
7.5°	2988.5	2962.5	2971.2	2962.5	2956.7
10°	2962.5	2933.7	2945.2	2936.5	2927.9
12.5°	2927.9	2901.9	2913.5	2904.8	2899.0
15°	2890.4	2864.4	2873.1	2870.2	2858.7
17.5°	2841.3	2818.3	2826.9	2824.0	2809.6
20°	2789.4	2763.5	2775.0	2766.3	2754.8
22.5°	2728.8	2702.9	2717.3	2702.9	2694.2
25°	2665.4	2639.4	2648.1	2633.7	2625.0
27.5°	2596.2	2570.2	2578.8	2564.4	2555.8
30°	2518.3	2495.2	2503.8	2486.5	2477.9
32.5°	2434.6	2414.4	2420.2	2405.8	2402.9
35°	2345.2	2327.9	2333.7	2322.1	2319.2
37.5°	2255.8	2238.5	2244.2	2235.6	2235.6
40°	2163.5	2146.2	2154.8	2149.0	2146.2
42.5°	2062.5	2051.0	2056.7	2053.8	2051.0
45°	1958.7	1950.0	1958.7	1952.9	1950.0
47.5°	1857.7	1846.2	1857.7	1851.9	1846.2
50°	1748.1	1742.3	1751.0	1745.2	1739.4
52.5°	1638.5	1632.7	1644.2	1638.5	1632.7
55°	1520.2	1523.1	1531.7	1523.1	1520.2
57.5°	1407.7	1410.6	1419.2	1413.5	1401.9
60°	1295.2	1298.1	1303.8	1298.1	1289.4
62.5°	1179.8	1182.7	1185.6	1179.8	1176.9
65°	1067.3	1070.2	1073.1	1061.5	1061.5
67.5°	951.9	957.7	954.8	946.2	943.3
70°	836.5	839.4	842.3	830.8	825.0
72.5°	712.5	724.0	718.3	706.7	703.8
75°	597.1	605.8	602.9	591.3	588.5
77.5°	490.4	490.4	484.6	478.8	473.1
80°	377.9	377.9	372.1	366.3	360.6
82.5°	268.3	271.2	265.4	256.7	251.0
85°	164.4	167.3	161.5	150.0	144.2
87.5°	69.2	72.1	63.5	54.8	51.9
90°	11.5	23.1	23.1	23.1	20.2
92.5°	28.8	80.8	222.1	77.9	57.7
95°	40.4	118.3	548.1	274.0	184.6
97.5°	60.6	141.3	695.2	464.4	354.8
100°	80.8	176.0	764.4	669.2	522.1
102.5°	98.1	193.3	744.2	928.8	755.8
105°	112.5	199.0	718.3	1145.2	998.1
107.5°	129.8	210.6	692.3	1269.2	1208.7
110°	144.2	230.8	626.0	1289.4	1344.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	161.5	245.2	585.6	1246.2	1381.7
115°	178.8	259.6	565.4	1159.6	1364.4
117.5°	196.2	265.4	553.8	1087.5	1298.1
120°	207.7	271.2	556.7	1018.3	1208.7
122.5°	225.0	274.0	559.6	969.2	1153.8
125°	236.5	282.7	559.6	926.0	1084.6
127.5°	253.8	288.5	551.0	894.2	1041.3
130°	265.4	297.1	539.4	865.4	989.4
132.5°	282.7	308.7	527.9	830.8	957.7
135°	297.1	323.1	510.6	787.5	908.7
137.5°	308.7	334.6	487.5	747.1	856.7
140°	328.8	346.2	473.1	701.0	807.7
142.5°	337.5	357.7	464.4	654.8	744.2
145°	354.8	369.2	450.0	608.7	692.3
147.5°	366.3	380.8	444.2	565.4	626.0
150°	380.8	389.4	444.2	536.5	591.3
152.5°	392.3	401.0	444.2	501.9	545.2
155°	403.8	406.7	444.2	490.4	513.5
157.5°	412.5	415.4	447.1	478.8	496.2
160°	424.0	424.0	447.1	476.0	484.6
162.5°	429.8	429.8	452.9	470.2	478.8
165°	441.3	438.5	450.0	467.3	473.1
167.5°	447.1	444.2	455.8	464.4	461.5
170°	455.8	450.0	455.8	461.5	464.4
172.5°	458.7	452.9	458.7	461.5	452.9
175°	464.4	458.7	458.7	458.7	455.8
177.5°	464.4	458.7	458.7	458.7	447.1
180°	458.7	458.7	458.7	458.7	458.7

(END OF REPORT)