

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: P234867

Luminaire Tested: **CTA-F-2575-30L835-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234867
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-2575-30L835-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
3000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (1008) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9185.1 lumens
Efficiency: N/A
Efficacy: 116.9 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

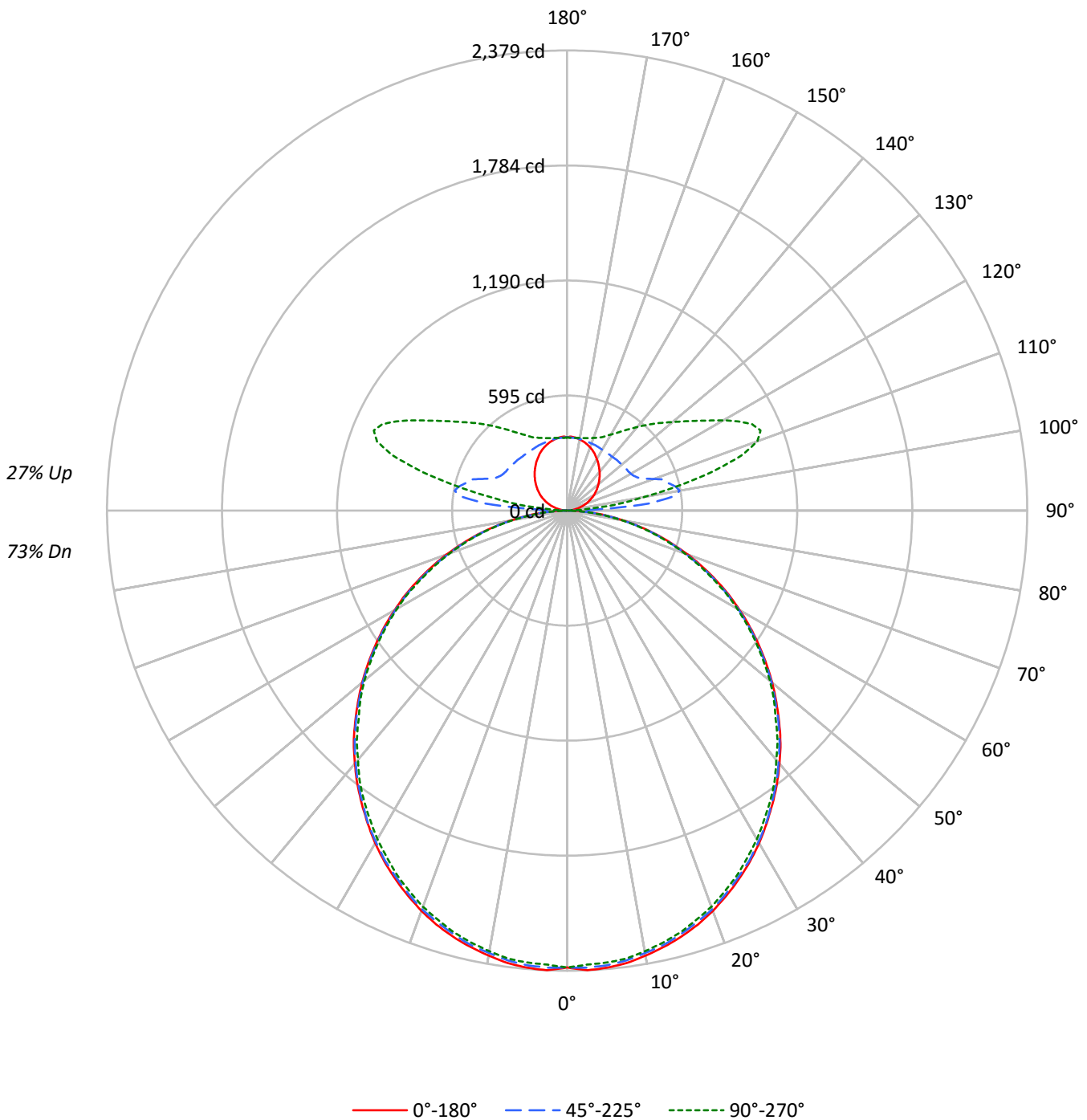
Input Watts (W): 78.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76	73	71	68	66	65	61
2	93	85	79	73	88	81	75	70	73	69	65	66	62	59	59	56	54	50
3	85	75	67	61	80	71	64	58	64	59	54	58	54	50	52	49	46	42
4	78	66	58	51	73	63	55	49	57	51	46	52	47	42	47	43	39	36
5	71	59	50	44	67	56	48	42	51	45	40	46	41	37	42	37	34	31
6	66	53	44	38	62	51	43	37	46	39	35	42	36	32	38	33	30	27
7	61	48	39	34	57	46	38	32	42	35	30	38	33	28	35	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	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5085	5085	5085
5°	5126	5098	5069
10°	5107	5077	5057
15°	5082	5054	5033
20°	5045	5024	4993
25°	4993	4969	4939
30°	4933	4917	4876
35°	4863	4846	4813
40°	4798	4780	4726
45°	4720	4703	4641
50°	4635	4617	4583
55°	4536	4512	4478
60°	4433	4405	4377
65°	4318	4266	4215
70°	4168	4104	4058
75°	3980	3903	3873
80°	3678	3632	3553
85°	3290	3063	2813



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.7	2.4
10°-20°	638.9	7.0
20°-30°	961.4	10.5
30°-40°	1150.2	12.5
40°-50°	1187.0	12.9
50°-60°	1073.3	11.7
60°-70°	828.9	9.0
70°-80°	497.8	5.4
80°-90°	143.9	1.6
90°-100°	200.9	2.2
100°-110°	509.1	5.5
110°-120°	511.5	5.6
120°-130°	396.5	4.3
130°-140°	311.8	3.4
140°-150°	237.6	2.6
150°-160°	171.0	1.9
160°-170°	105.7	1.2
170°-180°	36.0	0.4
0°-30°	1824.0	19.9
0°-40°	2974.2	32.4
0°-60°	5234.4	57.0
0°-90°	6705.0	73.0
90°-120°	1221.4	13.3
90°-150°	2167.4	23.6
90°-180°	2480.0	27.0
0°-180°	9185.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2362	2362	2362	2362	2362	
5°	2372	2349	2360	2353	2346	225
15°	2280	2258	2268	2265	2258	643
25°	2102	2082	2092	2079	2079	969
35°	1851	1838	1844	1828	1831	1158
45°	1550	1538	1545	1528	1525	1196
55°	1209	1206	1202	1189	1193	1081
65°	848	840	838	830	828	839
75°	478	473	469	469	466	504
85°	133	133	124	118	114	142
90°	2	2	3	2	2	10
95°	21	74	428	202	130	23
105°	74	123	545	886	777	79
115°	131	165	403	906	1055	130
125°	186	214	374	673	808	166
135°	236	258	366	548	635	182
145°	285	298	362	454	502	178
155°	330	334	366	400	418	152
165°	363	362	373	383	388	102
175°	381	377	378	378	378	36
180°	378	378	378	378	378	



TEST NUMBER: P234867

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2362.3	2362.3	2362.3	2362.3	2362.3
2.5°	2378.8	2355.8	2365.0	2362.3	2349.4
5°	2372.4	2349.4	2359.5	2353.1	2345.7
7.5°	2359.5	2336.5	2345.7	2339.3	2336.5
10°	2336.5	2313.6	2322.8	2316.3	2313.6
12.5°	2310.8	2287.9	2300.7	2293.4	2287.9
15°	2280.5	2258.5	2267.7	2264.9	2258.5
17.5°	2244.7	2221.7	2231.8	2229.1	2219.0
20°	2202.4	2179.5	2193.3	2183.2	2179.5
22.5°	2153.8	2134.5	2144.6	2130.8	2130.8
25°	2102.3	2082.1	2092.2	2079.4	2079.4
27.5°	2046.3	2027.0	2039.9	2023.3	2019.7
30°	1984.8	1968.2	1978.3	1961.8	1961.8
32.5°	1918.6	1905.8	1915.9	1895.7	1895.7
35°	1850.7	1837.8	1844.2	1827.7	1831.4
37.5°	1781.8	1768.9	1776.3	1759.8	1762.5
40°	1707.4	1697.3	1701.0	1684.4	1681.7
42.5°	1633.0	1619.2	1625.7	1610.0	1610.0
45°	1550.3	1538.4	1544.8	1528.3	1524.6
47.5°	1466.8	1463.1	1459.4	1446.6	1450.2
50°	1384.1	1382.3	1378.6	1364.8	1368.5
52.5°	1296.9	1293.2	1290.4	1277.6	1280.3
55°	1208.7	1205.9	1202.3	1189.4	1193.1
57.5°	1121.4	1117.8	1114.1	1104.9	1104.9
60°	1029.6	1026.8	1023.2	1016.7	1016.7
62.5°	942.3	938.7	932.2	924.9	924.9
65°	847.7	840.4	837.6	830.3	827.5
67.5°	755.9	745.8	743.0	739.4	736.6
70°	662.2	654.9	652.1	648.4	644.8
72.5°	569.4	563.9	560.3	560.3	553.8
75°	478.5	473.0	469.3	469.3	465.7
77.5°	383.9	387.6	381.2	381.2	374.7
80°	296.7	296.7	293.0	290.2	286.6
82.5°	212.2	214.9	208.5	204.8	198.4
85°	133.2	133.2	124.0	117.6	113.9
87.5°	58.8	56.0	48.7	42.2	35.8
90°	1.8	1.8	2.8	1.8	1.8
92.5°	11.0	47.8	178.2	42.2	28.5
95°	21.1	73.5	428.0	202.1	130.4
97.5°	33.1	89.1	548.3	361.0	272.8
100°	46.8	115.7	590.6	530.9	400.4
102.5°	60.6	122.2	574.0	728.3	586.9
105°	74.4	123.1	544.6	886.3	777.0
107.5°	89.1	125.8	530.9	981.8	943.2
110°	102.9	137.8	476.7	1005.7	1046.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	117.6	152.5	429.8	971.7	1081.9
115°	131.3	165.3	403.2	906.5	1055.3
117.5°	146.0	178.2	388.5	834.0	998.4
120°	159.8	190.1	380.2	770.6	932.2
122.5°	172.7	202.1	375.6	718.2	865.2
125°	185.5	214.0	373.8	673.2	808.2
127.5°	198.4	225.0	372.0	637.4	756.8
130°	211.2	235.1	370.1	604.3	711.8
132.5°	224.1	247.1	367.4	574.9	672.3
135°	236.0	258.1	366.5	548.3	634.6
137.5°	248.9	269.1	364.6	521.7	598.8
140°	260.8	279.2	362.8	496.0	563.9
142.5°	272.8	289.3	362.8	473.9	531.8
145°	284.7	298.5	361.9	453.7	502.4
147.5°	296.7	307.7	362.8	436.3	475.8
150°	307.7	317.8	363.7	422.5	453.7
152.5°	318.7	326.0	364.6	409.6	434.4
155°	329.7	334.3	366.5	400.4	417.9
157.5°	338.9	341.7	368.3	394.0	407.8
160°	347.2	349.9	369.2	389.4	399.5
162.5°	355.4	356.4	371.1	385.7	392.2
165°	362.8	361.9	372.9	383.0	387.6
167.5°	368.3	367.4	374.7	380.2	383.9
170°	373.8	372.0	375.6	379.3	381.2
172.5°	378.4	374.7	377.5	378.4	379.3
175°	381.2	376.6	377.5	377.5	377.5
177.5°	383.0	378.4	378.4	378.4	375.6
180°	378.4	378.4	378.4	378.4	378.4

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