

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: P234864

Luminaire Tested: **CTA-F-2575-30L835-UNV-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234864  
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-8  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
3000 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: 6123.4 lumens  
Efficiency: N/A  
Efficacy: 113.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36  
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')  
CIE Type: Semi-Direct

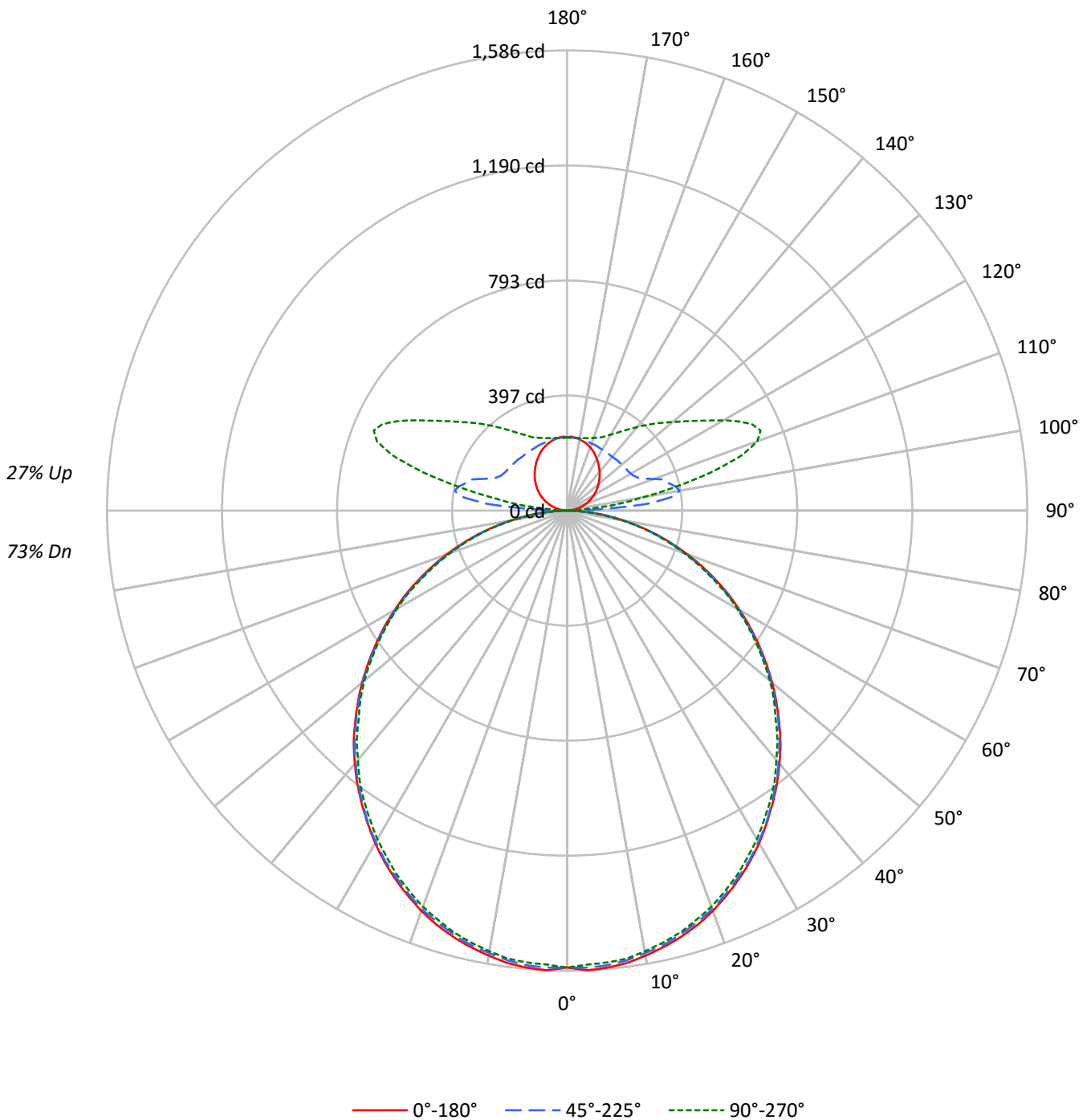
Input Watts (W): 54  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4994	4969	4939
30°	4933	4917	4876
35°	4863	4846	4813
40°	4798	4780	4725
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	3904	3872
80°	3678	3632	3552
85°	3290	3064	2812



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.1	2.4
10°-20°	425.9	7.0
20°-30°	640.9	10.5
30°-40°	766.8	12.5
40°-50°	791.3	12.9
50°-60°	715.5	11.7
60°-70°	552.6	9.0
70°-80°	331.8	5.4
80°-90°	95.9	1.6
90°-100°	133.9	2.2
100°-110°	339.4	5.5
110°-120°	341.0	5.6
120°-130°	264.4	4.3
130°-140°	207.9	3.4
140°-150°	158.4	2.6
150°-160°	114.0	1.9
160°-170°	70.5	1.2
170°-180°	24.0	0.4
0°-30°	1216.0	19.9
0°-40°	1982.8	32.4
0°-60°	3489.6	57.0
0°-90°	4470.0	73.0
90°-120°	814.2	13.3
90°-150°	1444.9	23.6
90°-180°	1653.0	27.0
0°-180°	6123.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1575	1575	1575	1575	1575	
5°	1582	1566	1573	1569	1564	150
15°	1520	1506	1512	1510	1506	429
25°	1402	1388	1395	1386	1386	646
35°	1234	1225	1230	1218	1221	772
45°	1034	1026	1030	1019	1016	797
55°	806	804	802	793	795	721
65°	565	560	558	554	552	560
75°	319	315	313	313	310	336
85°	89	89	83	78	76	95
90°	1	1	2	1	1	7
95°	14	49	285	135	87	15
105°	50	82	363	591	518	53
115°	88	110	269	604	704	87
125°	124	143	249	449	539	111
135°	157	172	244	366	423	122
145°	190	199	241	302	335	119
155°	220	223	244	267	279	101
165°	242	241	249	255	258	68
175°	254	251	252	252	252	24
180°	252	252	252	252	252	



TEST NUMBER: P234864

CATALOG NUMBER: CTA-F-2575-30L835-UNV-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1574.8	1574.8	1574.8	1574.8	1574.8
2.5°	1585.9	1570.6	1576.7	1574.8	1566.3
5°	1581.6	1566.3	1573.0	1568.7	1563.8
7.5°	1573.0	1557.7	1563.8	1559.5	1557.7
10°	1557.7	1542.4	1548.5	1544.2	1542.4
12.5°	1540.5	1525.2	1533.8	1528.9	1525.2
15°	1520.3	1505.6	1511.8	1509.9	1505.6
17.5°	1496.5	1481.2	1487.9	1486.1	1479.3
20°	1468.3	1453.0	1462.2	1455.4	1453.0
22.5°	1435.8	1423.0	1429.7	1420.5	1420.5
25°	1401.6	1388.1	1394.8	1386.2	1386.2
27.5°	1364.2	1351.3	1359.9	1348.9	1346.4
30°	1323.2	1312.2	1318.9	1307.9	1307.9
32.5°	1279.1	1270.5	1277.3	1263.8	1263.8
35°	1233.8	1225.2	1229.5	1218.5	1220.9
37.5°	1187.9	1179.3	1184.2	1173.2	1175.0
40°	1138.3	1131.5	1134.0	1123.0	1121.1
42.5°	1088.7	1079.5	1083.8	1073.4	1073.4
45°	1033.6	1025.6	1029.9	1018.9	1016.4
47.5°	977.8	975.4	972.9	964.4	966.8
50°	922.7	921.5	919.1	909.9	912.3
52.5°	864.6	862.1	860.3	851.7	853.5
55°	805.8	804.0	801.5	792.9	795.4
57.5°	747.6	745.2	742.7	736.6	736.6
60°	686.4	684.6	682.1	677.8	677.8
62.5°	628.2	625.8	621.5	616.6	616.6
65°	565.2	560.3	558.4	553.5	551.7
67.5°	503.9	497.2	495.4	492.9	491.1
70°	441.5	436.6	434.7	432.3	429.8
72.5°	379.6	376.0	373.5	373.5	369.2
75°	319.0	315.3	312.9	312.9	310.4
77.5°	255.9	258.4	254.1	254.1	249.8
80°	197.8	197.8	195.3	193.5	191.0
82.5°	141.4	143.3	139.0	136.5	132.3
85°	88.8	88.8	82.7	78.4	75.9
87.5°	39.2	37.4	32.5	28.2	23.9
90°	1.2	1.2	1.8	1.2	1.2
92.5°	7.3	31.8	118.8	28.2	19.0
95°	14.1	49.0	285.3	134.7	86.9
97.5°	22.0	59.4	365.5	240.6	181.9
100°	31.2	77.1	393.7	353.9	267.0
102.5°	40.4	81.4	382.7	485.6	391.3
105°	49.6	82.0	363.1	590.9	518.0
107.5°	59.4	83.9	353.9	654.5	628.8
110°	68.6	91.8	317.8	670.5	697.4



TEST NUMBER: P234864

CATALOG NUMBER: CTA-F-2575-30L835-UNV-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	78.4	101.6	286.6	647.8	721.3
115°	87.6	110.2	268.8	604.3	703.5
117.5°	97.4	118.8	259.0	556.0	665.6
120°	106.5	126.7	253.5	513.7	621.5
122.5°	115.1	134.7	250.4	478.8	576.8
125°	123.7	142.7	249.2	448.8	538.8
127.5°	132.3	150.0	248.0	424.9	504.5
130°	140.8	156.7	246.8	402.9	474.5
132.5°	149.4	164.7	244.9	383.3	448.2
135°	157.4	172.1	244.3	365.5	423.1
137.5°	165.9	179.4	243.1	347.8	399.2
140°	173.9	186.1	241.9	330.6	376.0
142.5°	181.9	192.9	241.9	315.9	354.5
145°	189.8	199.0	241.2	302.5	334.9
147.5°	197.8	205.1	241.9	290.8	317.2
150°	205.1	211.9	242.5	281.7	302.5
152.5°	212.5	217.4	243.1	273.1	289.6
155°	219.8	222.9	244.3	267.0	278.6
157.5°	225.9	227.8	245.5	262.7	271.9
160°	231.4	233.3	246.1	259.6	266.4
162.5°	237.0	237.6	247.4	257.2	261.5
165°	241.9	241.2	248.6	255.3	258.4
167.5°	245.5	244.9	249.8	253.5	255.9
170°	249.2	248.0	250.4	252.9	254.1
172.5°	252.3	249.8	251.7	252.3	252.9
175°	254.1	251.0	251.7	251.7	251.7
177.5°	255.3	252.3	252.3	252.3	250.4
180°	252.3	252.3	252.3	252.3	252.3

(END OF REPORT)