

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: P234567

Luminaire Tested: **CTA-F-0100-60L835-UNV-8**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P234567  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-19)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: CTA-F-0100-60L835-UNV-8  
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE  
6000 LUMENS, 0% UPLIGHT, 100% DOWNLIGHT  
Light Source: (672) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

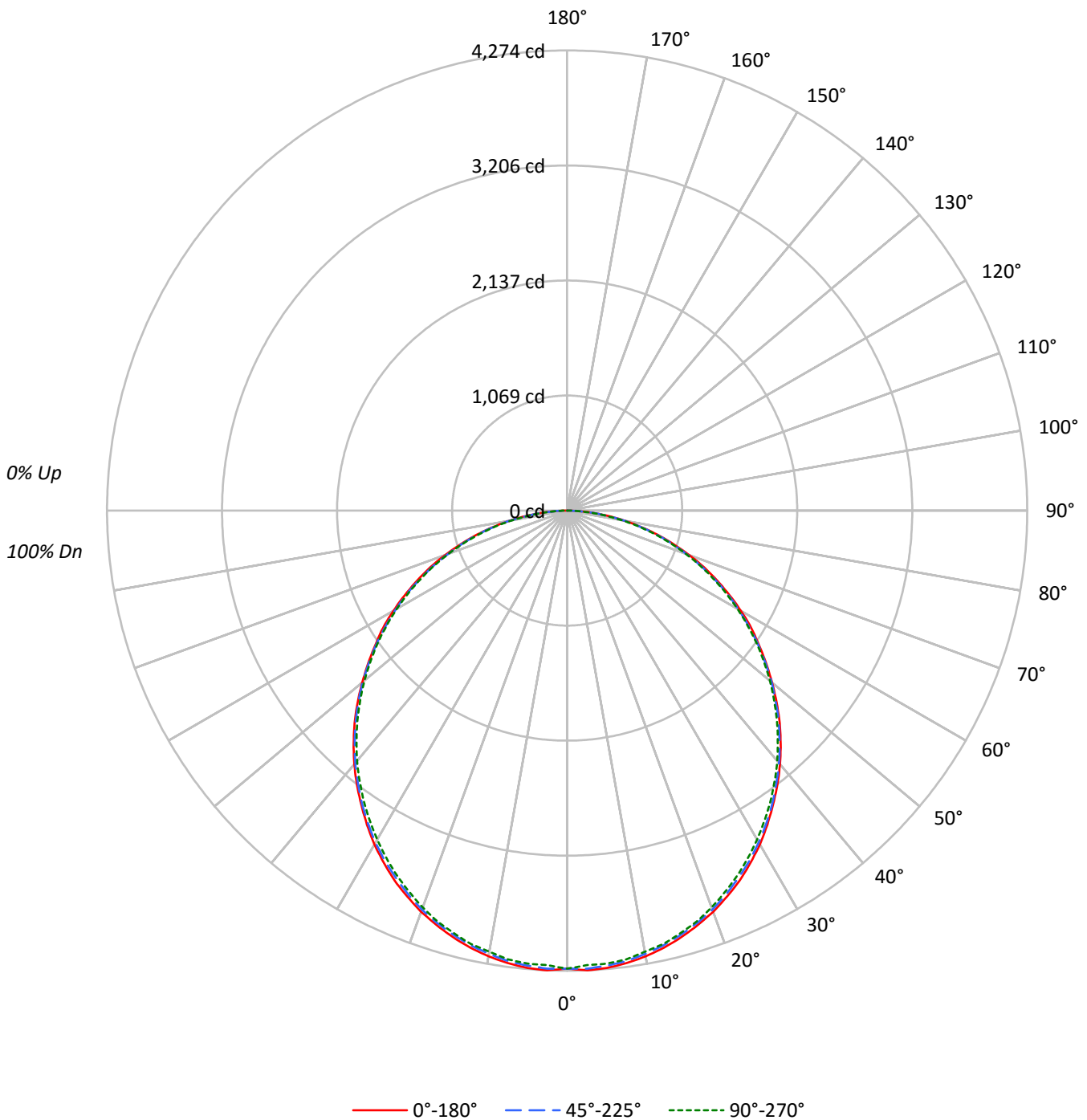
Lumens per Lamp: N/A  
Luminaire Lumens: 12077.7 lumens  
Efficiency: N/A  
Efficacy: 87.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36  
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 138.3  
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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	13736	13736	13736
5°	13821	13749	13691
10°	13784	13705	13640
15°	13712	13639	13585
20°	13628	13552	13477
25°	13510	13410	13325
30°	13348	13273	13154
35°	13142	13095	12984
40°	12965	12906	12797
45°	12749	12685	12585
50°	12478	12448	12347
55°	12238	12171	12092
60°	12037	11869	11805
65°	11735	11537	11460
70°	11367	11121	11065
75°	10854	10704	10504
80°	10115	9967	9669
85°	8891	8373	7484



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.5	3.3
10°-20°	1149.5	9.5
20°-30°	1730.3	14.3
30°-40°	2070.5	17.1
40°-50°	2135.6	17.7
50°-60°	1930.7	16.0
60°-70°	1497.4	12.4
70°-80°	902.9	7.5
80°-90°	258.5	2.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3282.3	27.2
0°-40°	5352.8	44.3
0°-60°	9419.0	78.0
0°-90°	12077.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12077.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4254	4254	4254	4254	4254	
5°	4264	4222	4242	4238	4224	405
15°	4102	4056	4080	4080	4064	1157
25°	3792	3742	3764	3750	3740	1746
35°	3334	3302	3322	3300	3294	2087
45°	2792	2772	2778	2754	2756	2152
55°	2174	2168	2162	2146	2148	1947
65°	1536	1522	1510	1502	1500	1522
75°	870	862	858	846	842	919
85°	240	238	226	214	202	273
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4254	4254	4254	4254	4254
2.5°	4274	4236	4258	4252	4226
5°	4264	4222	4242	4238	4224
7.5°	4238	4198	4220	4214	4204
10°	4204	4158	4180	4174	4160
12.5°	4158	4114	4136	4130	4124
15°	4102	4056	4080	4080	4064
17.5°	4036	3994	4016	4014	4002
20°	3966	3916	3944	3934	3922
22.5°	3880	3836	3858	3840	3834
25°	3792	3742	3764	3750	3740
27.5°	3688	3644	3666	3646	3638
30°	3580	3534	3560	3538	3528
32.5°	3460	3426	3444	3422	3412
35°	3334	3302	3322	3300	3294
37.5°	3208	3178	3192	3172	3166
40°	3076	3048	3062	3036	3036
42.5°	2936	2912	2920	2898	2896
45°	2792	2772	2778	2754	2756
47.5°	2640	2624	2628	2608	2606
50°	2484	2476	2478	2454	2458
52.5°	2330	2324	2320	2304	2302
55°	2174	2168	2162	2146	2148
57.5°	2028	2010	2000	1990	1988
60°	1864	1848	1838	1826	1828
62.5°	1700	1688	1678	1668	1664
65°	1536	1522	1510	1502	1500
67.5°	1378	1354	1344	1338	1336
70°	1204	1190	1178	1172	1172
72.5°	1038	1024	1018	1010	1006
75°	870	862	858	846	842
77.5°	704	700	696	682	678
80°	544	540	536	520	520
82.5°	386	384	376	362	354
85°	240	238	226	214	202
87.5°	104	98	84	74	76
90°	0	0	0	0	0

(END OF REPORT)