

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: P234570

Luminaire Tested: **CTA-F-0100-60L835-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234570
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-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 LUMENS, 0% UPLIGHT, 100% DOWNLIGHT
Light Source: (1008) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18116.6 lumens
Efficiency: N/A
Efficacy: 87.4 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: Direct

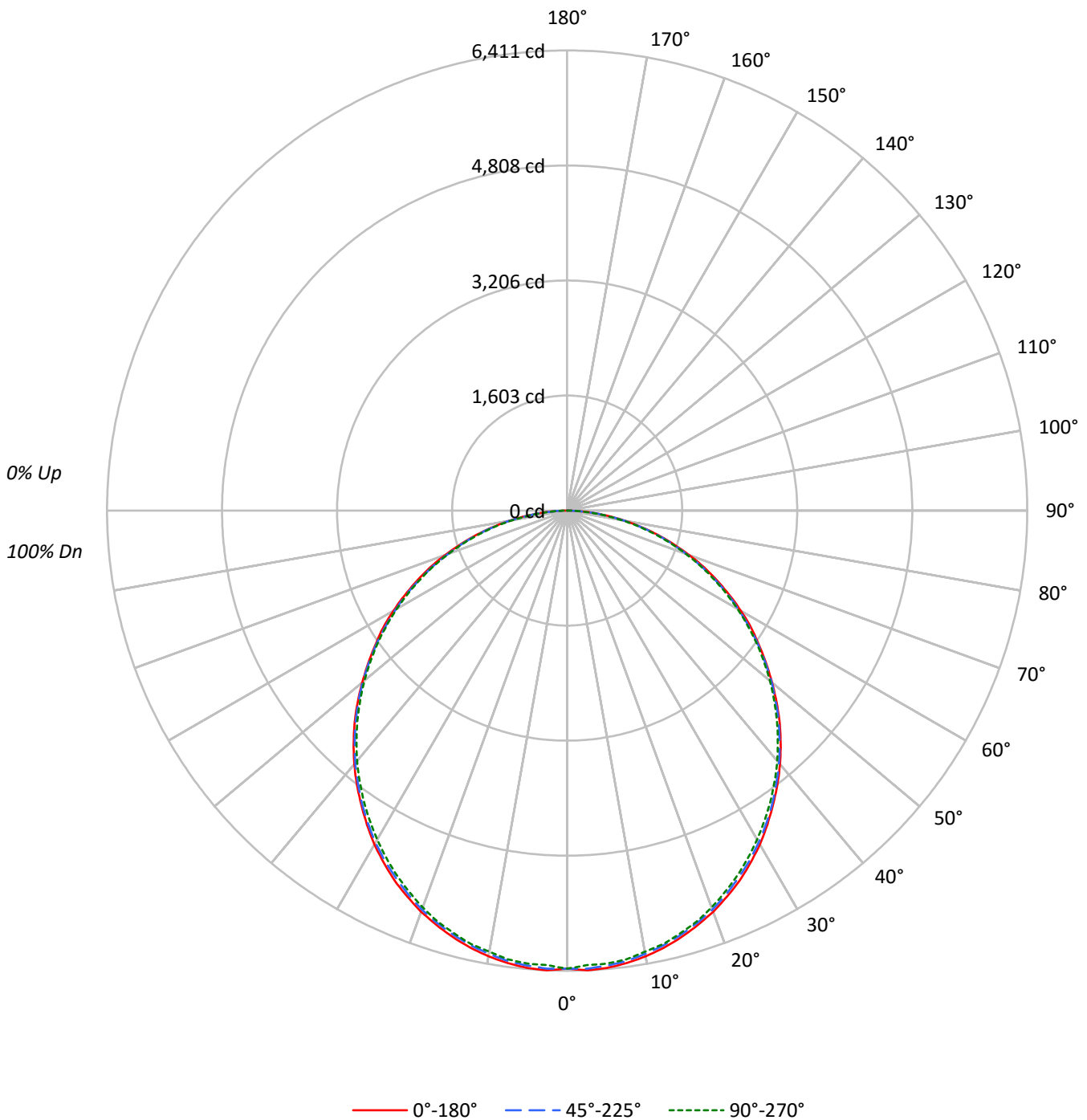
Input Watts (W): 207.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	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°	603.7	3.3
10°-20°	1724.3	9.5
20°-30°	2595.5	14.3
30°-40°	3105.7	17.1
40°-50°	3203.4	17.7
50°-60°	2896.0	16.0
60°-70°	2246.1	12.4
70°-80°	1354.3	7.5
80°-90°	387.7	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°	4923.5	27.2
0°-40°	8029.2	44.3
0°-60°	14128.5	78.0
0°-90°	18116.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18116.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6381	6381	6381	6381	6381	
5°	6396	6333	6363	6357	6336	607
15°	6153	6084	6120	6120	6096	1736
25°	5688	5613	5646	5625	5610	2619
35°	5001	4953	4983	4950	4941	3131
45°	4188	4158	4167	4131	4134	3228
55°	3261	3252	3243	3219	3222	2921
65°	2304	2283	2265	2253	2250	2282
75°	1305	1293	1287	1269	1263	1379
85°	360	357	339	321	303	409
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6381	6381	6381	6381	6381
2.5°	6411	6354	6387	6378	6339
5°	6396	6333	6363	6357	6336
7.5°	6357	6297	6330	6321	6306
10°	6306	6237	6270	6261	6240
12.5°	6237	6171	6204	6195	6186
15°	6153	6084	6120	6120	6096
17.5°	6054	5991	6024	6021	6003
20°	5949	5874	5916	5901	5883
22.5°	5820	5754	5787	5760	5751
25°	5688	5613	5646	5625	5610
27.5°	5532	5466	5499	5469	5457
30°	5370	5301	5340	5307	5292
32.5°	5190	5139	5166	5133	5118
35°	5001	4953	4983	4950	4941
37.5°	4812	4767	4788	4758	4749
40°	4614	4572	4593	4554	4554
42.5°	4404	4368	4380	4347	4344
45°	4188	4158	4167	4131	4134
47.5°	3960	3936	3942	3912	3909
50°	3726	3714	3717	3681	3687
52.5°	3495	3486	3480	3456	3453
55°	3261	3252	3243	3219	3222
57.5°	3042	3015	3000	2985	2982
60°	2796	2772	2757	2739	2742
62.5°	2550	2532	2517	2502	2496
65°	2304	2283	2265	2253	2250
67.5°	2067	2031	2016	2007	2004
70°	1806	1785	1767	1758	1758
72.5°	1557	1536	1527	1515	1509
75°	1305	1293	1287	1269	1263
77.5°	1056	1050	1044	1023	1017
80°	816	810	804	780	780
82.5°	579	576	564	543	531
85°	360	357	339	321	303
87.5°	156	147	126	111	114
90°	0	0	0	0	0

(END OF REPORT)