

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: P234655

Luminaire Tested: **CTA-F-7525-50L835-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-3D)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-7525-50L835-UNV-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
5000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT
Light Source: (672) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10121.1 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39
Luminous Opening: Rectangular (W 0.42' x L: 8' x H: 0')
CIE Type: Semi-Indirect

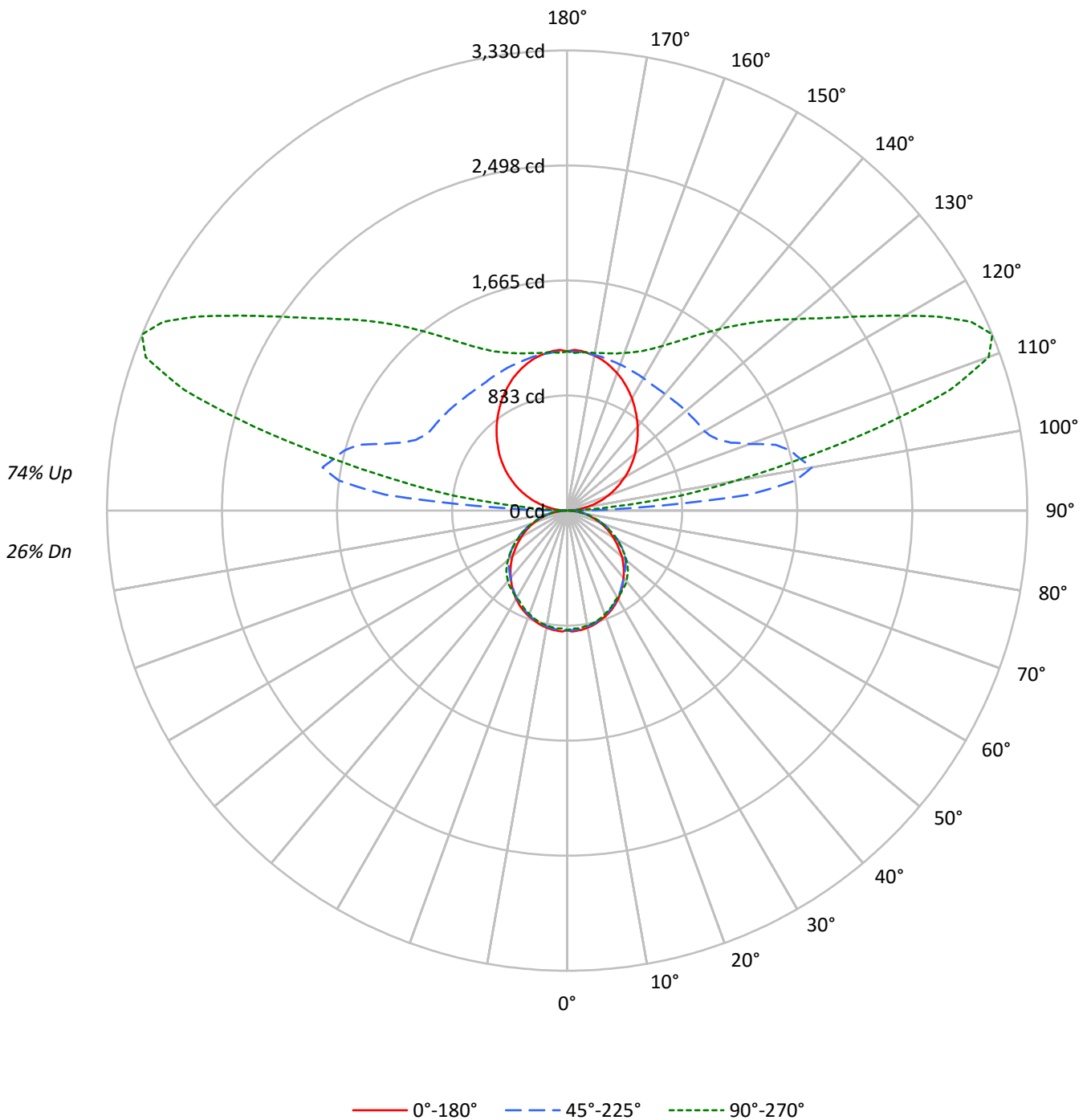
Input Watts (W): 72.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	78	75	72	61	59	57	44	43	42	29	29	28	21
2	84	76	70	65	74	68	63	59	53	50	47	39	37	35	26	24	23	17
3	76	67	60	54	68	60	54	49	46	42	39	34	31	29	23	21	20	15
4	70	59	51	46	62	53	46	41	41	37	33	30	27	25	20	18	17	12
5	64	52	45	39	56	47	40	35	37	32	28	27	24	21	18	16	14	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	28	23	27	22	19	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	7
10	43	31	24	20	38	28	22	18	22	18	15	17	14	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2796	2796	2796
5°	2826	2800	2775
10°	2820	2787	2767
15°	2808	2781	2761
20°	2790	2763	2742
25°	2779	2743	2722
30°	2752	2722	2714
35°	2712	2696	2751
40°	2672	2689	2816
45°	2639	2712	2840
50°	2602	2763	2813
55°	2522	2758	2736
60°	2480	2712	2674
65°	2430	2644	2613
70°	2379	2568	2530
75°	2320	2495	2445
80°	2306	2417	2343
85°	2149	2371	2223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	0.8
10°-20°	234.6	2.3
20°-30°	354.5	3.5
30°-40°	430.8	4.3
40°-50°	459.7	4.5
50°-60°	424.0	4.2
60°-70°	334.7	3.3
70°-80°	208.9	2.1
80°-90°	70.6	0.7
90°-100°	605.0	6.0
100°-110°	1550.0	15.3
110°-120°	1549.3	15.3
120°-130°	1198.7	11.8
130°-140°	946.1	9.3
140°-150°	721.3	7.1
150°-160°	520.0	5.1
160°-170°	321.5	3.2
170°-180°	109.5	1.1
0°-30°	671.1	6.6
0°-40°	1101.9	10.9
0°-60°	1985.7	19.6
0°-90°	2599.8	25.7
90°-120°	3704.3	36.6
90°-150°	6570.4	64.9
90°-180°	7521.0	74.3
0°-180°	10121.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	866	866	866	866	866	
5°	872	864	864	860	856	83
15°	840	830	832	830	826	237
25°	780	770	770	766	764	359
35°	688	680	684	692	698	431
45°	578	576	594	614	622	446
55°	448	450	490	486	486	401
65°	318	334	346	342	342	315
75°	186	200	200	200	196	197
85°	58	64	64	66	60	63
90°	6	6	6	6	4	10
95°	64	224	1322	604	358	69
105°	228	364	1672	2742	2348	240
115°	398	500	1210	2732	3228	393
125°	562	648	1134	2030	2438	503
135°	718	784	1110	1660	1928	554
145°	866	908	1098	1374	1524	542
155°	1002	1018	1114	1216	1272	461
165°	1104	1102	1134	1164	1178	311
175°	1160	1146	1150	1150	1150	110
180°	1152	1152	1152	1152	1152	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	866	866	866	866	866
2.5°	876	866	866	864	854
5°	872	864	864	860	856
7.5°	868	860	860	856	852
10°	860	850	850	848	844
12.5°	852	842	844	840	838
15°	840	830	832	830	826
17.5°	826	818	820	818	814
20°	812	802	804	802	798
22.5°	798	788	788	784	782
25°	780	770	770	766	764
27.5°	760	750	750	746	742
30°	738	728	730	724	728
32.5°	714	706	708	710	716
35°	688	680	684	692	698
37.5°	662	656	658	676	686
40°	634	630	638	660	668
42.5°	608	604	616	640	644
45°	578	576	594	614	622
47.5°	548	546	574	590	592
50°	518	516	550	558	560
52.5°	480	482	522	526	526
55°	448	450	490	486	486
57.5°	416	422	456	450	452
60°	384	392	420	416	414
62.5°	352	364	384	378	378
65°	318	334	346	342	342
67.5°	286	304	310	306	304
70°	252	272	272	270	268
72.5°	220	236	236	234	232
75°	186	200	200	200	196
77.5°	154	164	166	164	160
80°	124	130	130	128	126
82.5°	94	96	96	96	92
85°	58	64	64	66	60
87.5°	32	34	36	34	30
90°	6	6	6	6	4
92.5°	32	146	514	118	80
95°	64	224	1322	604	358
97.5°	102	268	1666	1084	818
100°	142	344	1798	1594	1224
102.5°	184	362	1728	2222	1736
105°	228	364	1672	2742	2348
107.5°	272	378	1582	3032	2906
110°	312	416	1408	3094	3246



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	356	458	1284	2952	3330
115°	398	500	1210	2732	3228
117.5°	438	540	1170	2512	3036
120°	480	578	1148	2318	2820
122.5°	522	614	1140	2158	2618
125°	562	648	1134	2030	2438
127.5°	602	682	1126	1926	2284
130°	642	716	1122	1836	2156
132.5°	678	750	1116	1746	2040
135°	718	784	1110	1660	1928
137.5°	756	816	1104	1580	1818
140°	794	848	1102	1506	1714
142.5°	830	880	1100	1438	1614
145°	866	908	1098	1374	1524
147.5°	902	938	1100	1322	1442
150°	938	966	1106	1280	1374
152.5°	970	992	1110	1242	1318
155°	1002	1018	1114	1216	1272
157.5°	1032	1042	1120	1196	1240
160°	1058	1064	1124	1182	1214
162.5°	1082	1084	1128	1172	1192
165°	1104	1102	1134	1164	1178
167.5°	1124	1116	1140	1156	1168
170°	1138	1128	1142	1154	1158
172.5°	1150	1138	1146	1150	1154
175°	1160	1146	1150	1150	1150
177.5°	1164	1150	1150	1150	1142
180°	1152	1152	1152	1152	1152

(END OF REPORT)