

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: P234647

Luminaire Tested: **CTA-F-7525-40L835-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-2)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-7525-40L835-UNV-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
4000 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: 7986.6 lumens
Efficiency: N/A
Efficacy: 139.1 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

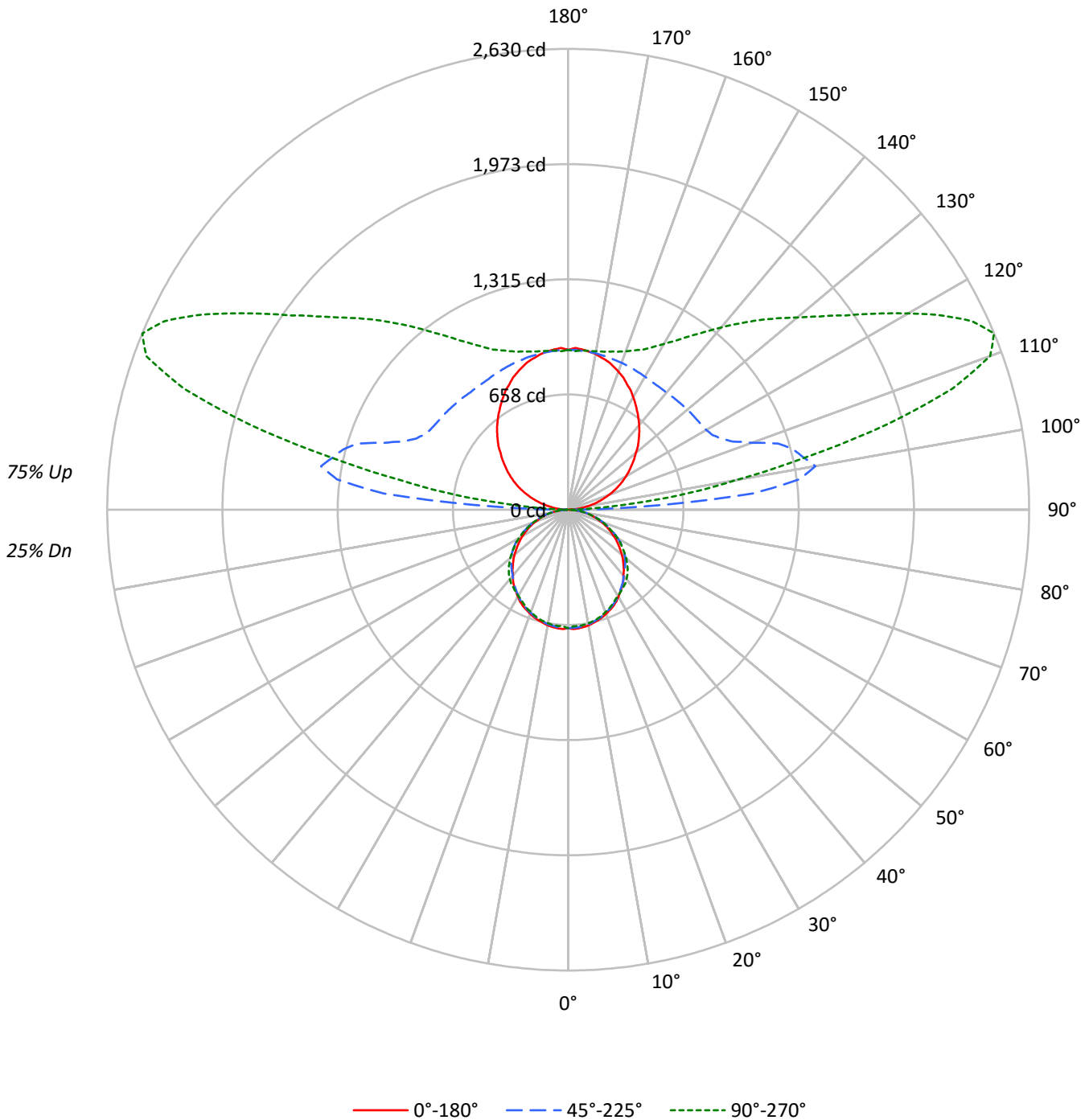
Input Watts (W): 57.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	33	33	33	25
1	92	88	84	80	82	78	75	72	61	58	56	44	43	42	29	28	28	21
2	84	76	70	65	74	68	63	59	53	49	46	39	36	34	25	24	23	17
3	76	67	60	54	67	60	54	49	46	42	39	34	31	29	22	21	19	14
4	69	59	51	45	62	53	46	41	41	36	33	30	27	25	20	18	17	12
5	64	52	44	39	56	47	40	35	36	32	28	27	24	21	18	16	14	10
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	12	9
7	54	42	34	29	48	38	31	26	29	25	21	22	18	16	15	13	11	8
8	50	38	30	25	44	34	28	23	27	22	19	20	17	14	13	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
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°	2183	2183	2183
5°	2204	2185	2159
10°	2197	2177	2157
15°	2186	2166	2153
20°	2172	2151	2137
25°	2166	2138	2123
30°	2140	2118	2118
35°	2113	2097	2144
40°	2065	2074	2183
45°	2037	2091	2192
50°	2009	2130	2170
55°	1970	2139	2128
60°	1937	2105	2092
65°	1910	2063	2032
70°	1869	2001	1983
75°	1821	1946	1921
80°	1785	1897	1859
85°	1630	1852	1704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	0.8
10°-20°	182.6	2.3
20°-30°	276.4	3.5
30°-40°	335.2	4.2
40°-50°	355.2	4.4
50°-60°	329.2	4.1
60°-70°	260.6	3.3
70°-80°	162.9	2.0
80°-90°	55.2	0.7
90°-100°	484.4	6.1
100°-110°	1228.9	15.4
110°-120°	1227.0	15.4
120°-130°	949.7	11.9
130°-140°	750.1	9.4
140°-150°	571.6	7.2
150°-160°	412.1	5.2
160°-170°	254.8	3.2
170°-180°	86.8	1.1
0°-30°	522.9	6.5
0°-40°	858.1	10.7
0°-60°	1542.4	19.3
0°-90°	2021.2	25.3
90°-120°	2940.4	36.8
90°-150°	5211.7	65.3
90°-180°	5965.0	74.7
0°-180°	7986.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	676	676	676	676	676	
5°	680	672	674	670	666	65
15°	654	646	648	646	644	184
25°	608	600	600	598	596	280
35°	536	532	532	540	544	335
45°	446	444	458	476	480	345
55°	350	350	380	378	378	313
65°	250	260	270	266	266	247
75°	146	156	156	154	154	155
85°	44	50	50	50	46	48
90°	4	6	6	6	4	8
95°	50	182	1056	482	310	54
105°	180	288	1330	2164	1888	190
115°	316	394	960	2170	2544	312
125°	442	512	896	1610	1934	396
135°	570	622	880	1318	1528	440
145°	686	720	872	1090	1208	430
155°	792	806	884	962	1008	366
165°	876	872	900	924	934	247
175°	918	908	910	910	912	87
180°	912	912	912	912	912	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	676	676	676	676	676
2.5°	682	674	674	672	666
5°	680	672	674	670	666
7.5°	676	668	668	666	664
10°	670	664	664	662	658
12.5°	662	656	656	654	652
15°	654	646	648	646	644
17.5°	644	636	638	636	634
20°	632	626	626	624	622
22.5°	620	614	614	612	610
25°	608	600	600	598	596
27.5°	592	584	586	582	580
30°	574	568	568	564	568
32.5°	554	550	550	552	556
35°	536	532	532	540	544
37.5°	516	510	514	526	534
40°	490	486	492	512	518
42.5°	470	466	476	496	500
45°	446	444	458	476	480
47.5°	424	422	442	456	456
50°	400	398	424	432	432
52.5°	374	374	404	406	404
55°	350	350	380	378	378
57.5°	326	328	356	350	352
60°	300	306	326	322	324
62.5°	276	284	298	294	294
65°	250	260	270	266	266
67.5°	224	236	240	238	238
70°	198	212	212	210	210
72.5°	172	184	184	182	182
75°	146	156	156	154	154
77.5°	122	128	128	128	126
80°	96	100	102	100	100
82.5°	72	74	76	76	72
85°	44	50	50	50	46
87.5°	24	28	28	28	24
90°	4	6	6	6	4
92.5°	24	118	418	112	68
95°	50	182	1056	482	310
97.5°	80	216	1330	850	650
100°	112	274	1432	1264	972
102.5°	146	286	1376	1748	1398
105°	180	288	1330	2164	1888
107.5°	214	298	1256	2398	2300
110°	248	328	1116	2452	2562



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	282	362	1016	2344	2630
115°	316	394	960	2170	2544
117.5°	348	424	926	1992	2402
120°	380	454	910	1840	2240
122.5°	412	482	902	1714	2082
125°	442	512	896	1610	1934
127.5°	474	540	892	1528	1812
130°	504	568	888	1452	1706
132.5°	540	596	884	1384	1616
135°	570	622	880	1318	1528
137.5°	600	648	876	1254	1440
140°	630	672	872	1192	1358
142.5°	658	696	872	1138	1278
145°	686	720	872	1090	1208
147.5°	714	744	872	1048	1144
150°	742	764	876	1014	1092
152.5°	770	786	880	984	1046
155°	792	806	884	962	1008
157.5°	818	826	888	948	984
160°	838	844	892	938	962
162.5°	858	858	894	930	946
165°	876	872	900	924	934
167.5°	888	884	902	916	924
170°	902	896	906	914	918
172.5°	910	902	908	912	914
175°	918	908	910	910	912
177.5°	924	912	912	912	906
180°	912	912	912	912	912

(END OF REPORT)