

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: P234543

Luminaire Tested: **CTA-F-0100-30L835-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234543
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-16)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-0100-30L835-UNV-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
3000 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: 6110.8 lumens
Efficiency: N/A
Efficacy: 97.6 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

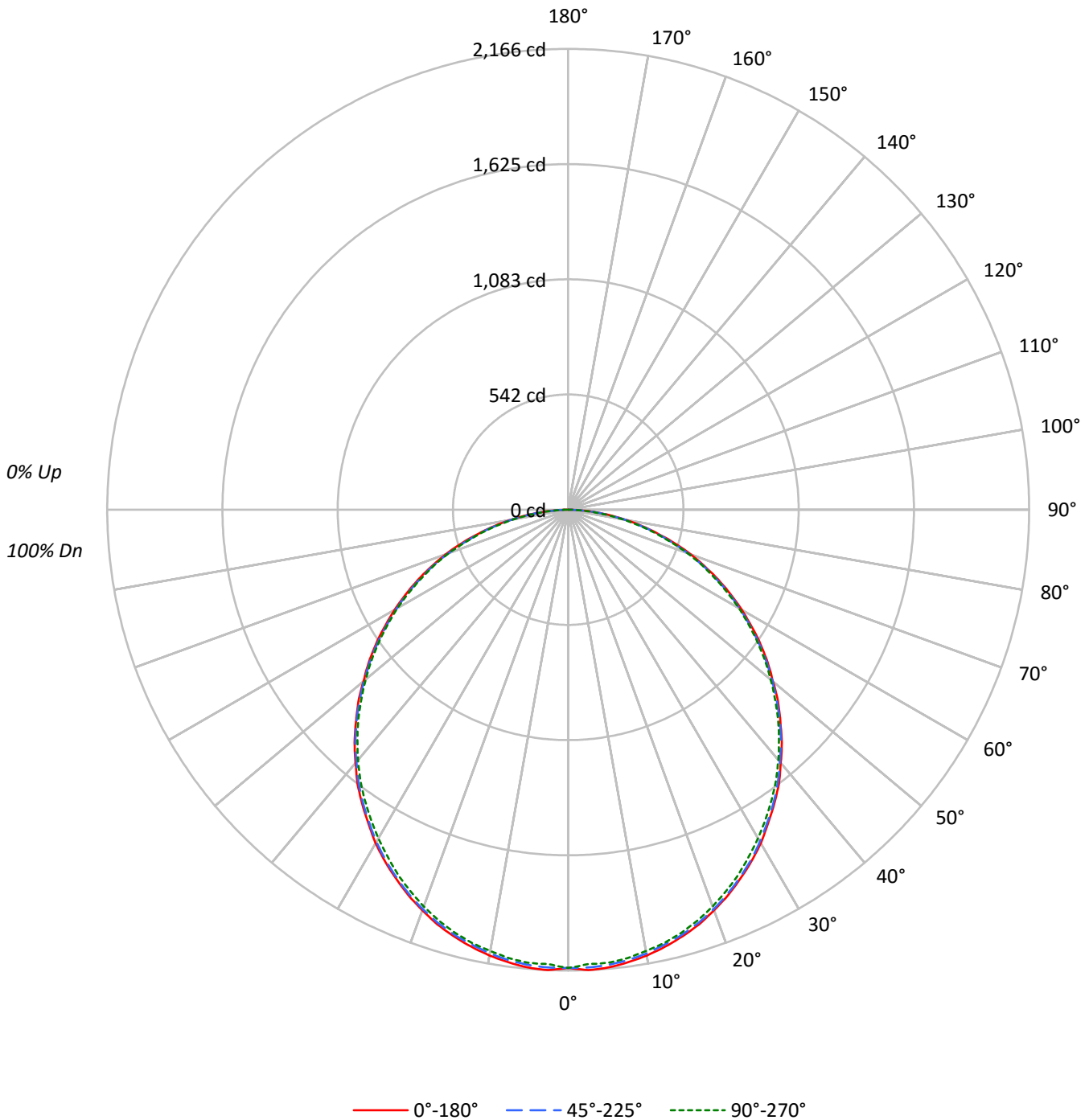
Input Watts (W): 62.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6955	6955	6955
5°	7001	6962	6930
10°	6977	6944	6905
15°	6940	6913	6880
20°	6886	6865	6817
25°	6819	6798	6741
30°	6748	6719	6652
35°	6654	6630	6567
40°	6550	6525	6474
45°	6439	6420	6366
50°	6309	6289	6239
55°	6215	6159	6114
60°	6083	6019	5980
65°	5944	5852	5807
70°	5778	5646	5627
75°	5464	5364	5265
80°	5058	4983	4797
85°	4520	4223	3853



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.7	3.3
10°-20°	582.0	9.5
20°-30°	876.0	14.3
30°-40°	1047.6	17.1
40°-50°	1080.4	17.7
50°-60°	976.9	16.0
60°-70°	759.1	12.4
70°-80°	454.8	7.4
80°-90°	130.2	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°	1661.7	27.2
0°-40°	2709.3	44.3
0°-60°	4766.7	78.0
0°-90°	6110.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6110.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2154	2154	2154	2154	2154	
5°	2160	2140	2148	2142	2138	205
15°	2076	2056	2068	2062	2058	586
25°	1914	1898	1908	1894	1892	882
35°	1688	1672	1682	1668	1666	1056
45°	1410	1404	1406	1392	1394	1089
55°	1104	1098	1094	1086	1086	986
65°	778	770	766	760	760	769
75°	438	432	430	426	422	465
85°	122	120	114	108	104	138
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2154	2154	2154	2154	2154
2.5°	2166	2146	2154	2150	2138
5°	2160	2140	2148	2142	2138
7.5°	2146	2126	2136	2130	2126
10°	2128	2108	2118	2112	2106
12.5°	2104	2084	2094	2088	2086
15°	2076	2056	2068	2062	2058
17.5°	2044	2024	2036	2032	2024
20°	2004	1986	1998	1988	1984
22.5°	1962	1946	1956	1942	1940
25°	1914	1898	1908	1894	1892
27.5°	1864	1848	1858	1844	1838
30°	1810	1792	1802	1788	1784
32.5°	1748	1734	1742	1730	1726
35°	1688	1672	1682	1668	1666
37.5°	1626	1610	1618	1602	1604
40°	1554	1542	1548	1534	1536
42.5°	1486	1476	1480	1464	1466
45°	1410	1404	1406	1392	1394
47.5°	1338	1328	1330	1318	1318
50°	1256	1252	1252	1242	1242
52.5°	1182	1176	1174	1164	1166
55°	1104	1098	1094	1086	1086
57.5°	1022	1018	1012	1004	1006
60°	942	938	932	924	926
62.5°	860	854	850	846	842
65°	778	770	766	760	760
67.5°	694	688	684	680	680
70°	612	604	598	596	596
72.5°	526	518	512	512	504
75°	438	432	430	426	422
77.5°	356	350	348	344	340
80°	272	270	268	262	258
82.5°	196	194	190	184	180
85°	122	120	114	108	104
87.5°	52	50	42	36	34
90°	0	0	0	0	0

(END OF REPORT)