

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: P234641

Luminaire Tested: **CTA-F-7525-30L830-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-7525-30L830-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
3000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT
Light Source: (1008) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

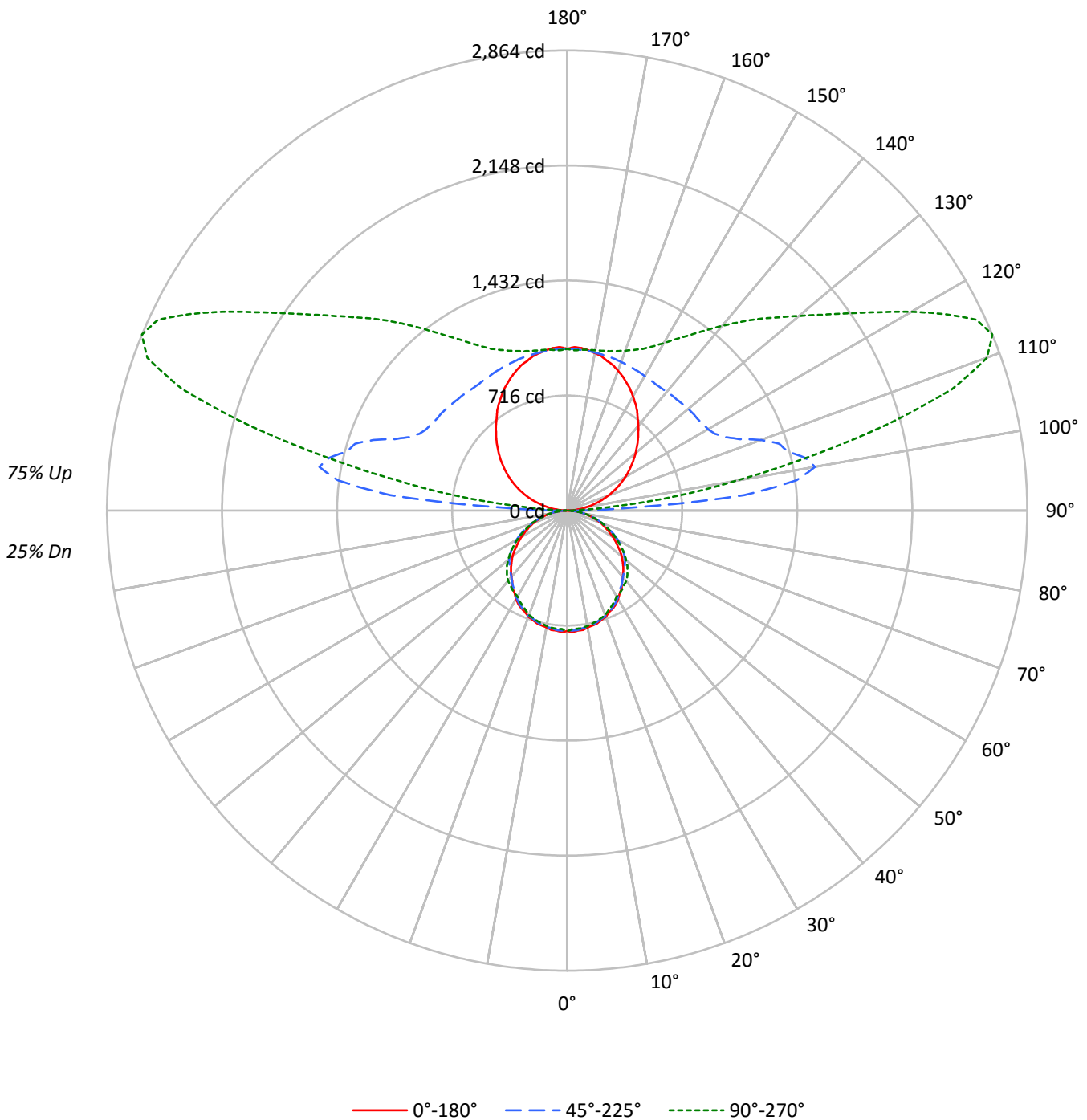
Lumens per Lamp: N/A
Luminaire Lumens: 8783.4 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.38
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 69.9
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



TEST NUMBER: P234641
CATALOG NUMBER: CTA-F-7525-30L830-UNV-12

Luminous Intensity Polar Plot





TEST NUMBER: P234641

CATALOG NUMBER: CTA-F-7525-30L830-UNV-12

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	25
1	92	88	84	81	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	35	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	46	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	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	29	25	21	22	19	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°	1614	1614	1614
5°	1621	1614	1596
10°	1614	1608	1595
15°	1620	1601	1588
20°	1612	1599	1586
25°	1596	1583	1555
30°	1577	1563	1534
35°	1554	1531	1569
40°	1516	1516	1605
45°	1502	1546	1616
50°	1488	1575	1603
55°	1440	1581	1570
60°	1416	1565	1527
65°	1381	1528	1484
70°	1380	1471	1471
75°	1343	1416	1416
80°	1323	1359	1359
85°	1210	1353	1210



TEST NUMBER: P234641

CATALOG NUMBER: CTA-F-7525-30L830-UNV-12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	0.8
10°-20°	202.3	2.3
20°-30°	305.5	3.5
30°-40°	367.2	4.2
40°-50°	391.9	4.5
50°-60°	364.4	4.1
60°-70°	287.8	3.3
70°-80°	179.6	2.0
80°-90°	58.9	0.7
90°-100°	508.1	5.8
100°-110°	1347.5	15.3
110°-120°	1359.2	15.5
120°-130°	1050.7	12.0
130°-140°	826.8	9.4
140°-150°	631.3	7.2
150°-160°	454.7	5.2
160°-170°	281.1	3.2
170°-180°	95.8	1.1
0°-30°	578.5	6.6
0°-40°	945.7	10.8
0°-60°	1701.9	19.4
0°-90°	2228.2	25.4
90°-120°	3214.8	36.6
90°-150°	5723.6	65.2
90°-180°	6555.0	74.6
0°-180°	8783.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	750	750	750	750	750	
5°	750	744	747	741	738	71
15°	727	715	718	712	712	205
25°	672	664	666	658	655	310
35°	591	580	583	588	597	367
45°	493	488	508	525	531	380
55°	384	386	421	418	418	345
65°	271	288	300	294	291	270
75°	162	173	170	170	170	172
85°	49	52	55	52	49	53
90°	3	6	6	6	6	8
95°	55	188	1105	456	303	60
105°	196	340	1419	2374	2051	208
115°	346	436	1082	2406	2810	342
125°	488	562	992	1786	2140	436
135°	623	681	972	1457	1688	481
145°	759	793	961	1209	1333	473
155°	877	888	975	1064	1111	404
165°	964	964	992	1018	1027	272
175°	1015	1001	1004	1004	1004	96
180°	1007	1007	1007	1007	1007	



TEST NUMBER: P234641

CATALOG NUMBER: CTA-F-7525-30L830-UNV-12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	750.0	750.0	750.0	750.0	750.0
2.5°	758.7	744.2	747.1	744.2	738.5
5°	750.0	744.2	747.1	741.3	738.5
7.5°	750.0	741.3	738.5	735.6	735.6
10°	738.5	732.7	735.6	729.8	729.8
12.5°	732.7	724.0	729.8	724.0	721.2
15°	726.9	715.4	718.3	712.5	712.5
17.5°	712.5	706.7	706.7	701.0	701.0
20°	703.8	698.1	698.1	689.4	692.3
22.5°	683.7	680.8	683.7	672.1	672.1
25°	672.1	663.5	666.3	657.7	654.8
27.5°	657.7	646.2	649.0	640.4	637.5
30°	634.6	628.8	628.8	620.2	617.3
32.5°	608.7	602.9	602.9	597.1	608.7
35°	591.3	579.8	582.7	588.5	597.1
37.5°	559.6	559.6	562.5	576.9	582.7
40°	539.4	539.4	539.4	559.6	571.2
42.5°	516.3	513.5	522.1	545.2	553.8
45°	493.3	487.5	507.7	525.0	530.8
47.5°	467.3	464.4	487.5	504.8	507.7
50°	444.2	441.3	470.2	478.8	478.8
52.5°	415.4	415.4	447.1	450.0	450.0
55°	383.7	386.5	421.2	418.3	418.3
57.5°	357.7	360.6	395.2	389.4	386.5
60°	328.8	337.5	363.5	357.7	354.8
62.5°	300.0	311.5	331.7	326.0	326.0
65°	271.2	288.5	300.0	294.2	291.3
67.5°	245.2	262.5	265.4	262.5	259.6
70°	219.2	233.7	233.7	230.8	233.7
72.5°	190.4	204.8	201.9	201.9	201.9
75°	161.5	173.1	170.2	170.2	170.2
77.5°	135.6	141.3	141.3	138.5	138.5
80°	106.7	109.6	109.6	109.6	109.6
82.5°	77.9	80.8	80.8	80.8	77.9
85°	49.0	51.9	54.8	51.9	49.0
87.5°	26.0	28.8	28.8	26.0	23.1
90°	2.9	5.8	5.8	5.8	5.8
92.5°	28.8	115.4	392.3	92.3	66.3
95°	54.8	187.5	1104.8	455.8	302.9
97.5°	89.4	230.8	1439.4	914.4	680.8
100°	124.0	300.0	1566.3	1370.2	1064.4
102.5°	161.5	334.6	1517.3	1898.1	1531.7
105°	196.2	340.4	1419.2	2374.0	2051.0
107.5°	233.7	346.2	1384.6	2613.5	2512.5
110°	271.2	369.2	1283.7	2668.3	2780.8



TEST NUMBER: P234641

CATALOG NUMBER: CTA-F-7525-30L830-UNV-12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	308.7	401.0	1162.5	2578.8	2864.4
115°	346.2	435.6	1081.7	2405.8	2809.6
117.5°	380.8	467.3	1035.6	2212.5	2648.1
120°	418.3	501.9	1012.5	2045.2	2475.0
122.5°	452.9	533.7	1001.0	1901.0	2296.2
125°	487.5	562.5	992.3	1785.6	2140.4
127.5°	522.1	591.3	989.4	1690.4	2001.9
130°	556.7	620.2	983.7	1606.7	1883.7
132.5°	588.5	651.9	977.9	1528.8	1779.8
135°	623.1	680.8	972.1	1456.7	1687.5
137.5°	654.8	706.7	969.2	1384.6	1592.3
140°	689.4	738.5	963.5	1318.3	1500.0
142.5°	721.2	770.2	960.6	1260.6	1413.5
145°	758.7	793.3	960.6	1208.7	1332.7
147.5°	790.4	819.2	963.5	1159.6	1266.3
150°	819.2	845.2	966.3	1119.2	1202.9
152.5°	851.0	865.4	972.1	1087.5	1151.0
155°	876.9	888.5	975.0	1064.4	1110.6
157.5°	902.9	911.5	980.8	1047.1	1081.7
160°	926.0	928.8	983.7	1032.7	1058.7
162.5°	949.0	946.2	989.4	1026.9	1041.3
165°	963.5	963.5	992.3	1018.3	1026.9
167.5°	983.7	975.0	995.2	1012.5	1018.3
170°	995.2	986.5	998.1	1009.6	1012.5
172.5°	1006.7	995.2	1003.8	1006.7	1009.6
175°	1015.4	1001.0	1003.8	1003.8	1003.8
177.5°	1018.3	1006.7	1006.7	1003.8	998.1
180°	1006.7	1006.7	1006.7	1006.7	1006.7

(END OF REPORT)