

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: P234872

Luminaire Tested: **CTA-F-7525-20L830-UNV-12**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-4_PR)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-7525-20L830-UNV-12
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
2000 LUMENS, 75% UPLIGHT, 25% DOWNLIGHT
Light Source: (1008) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

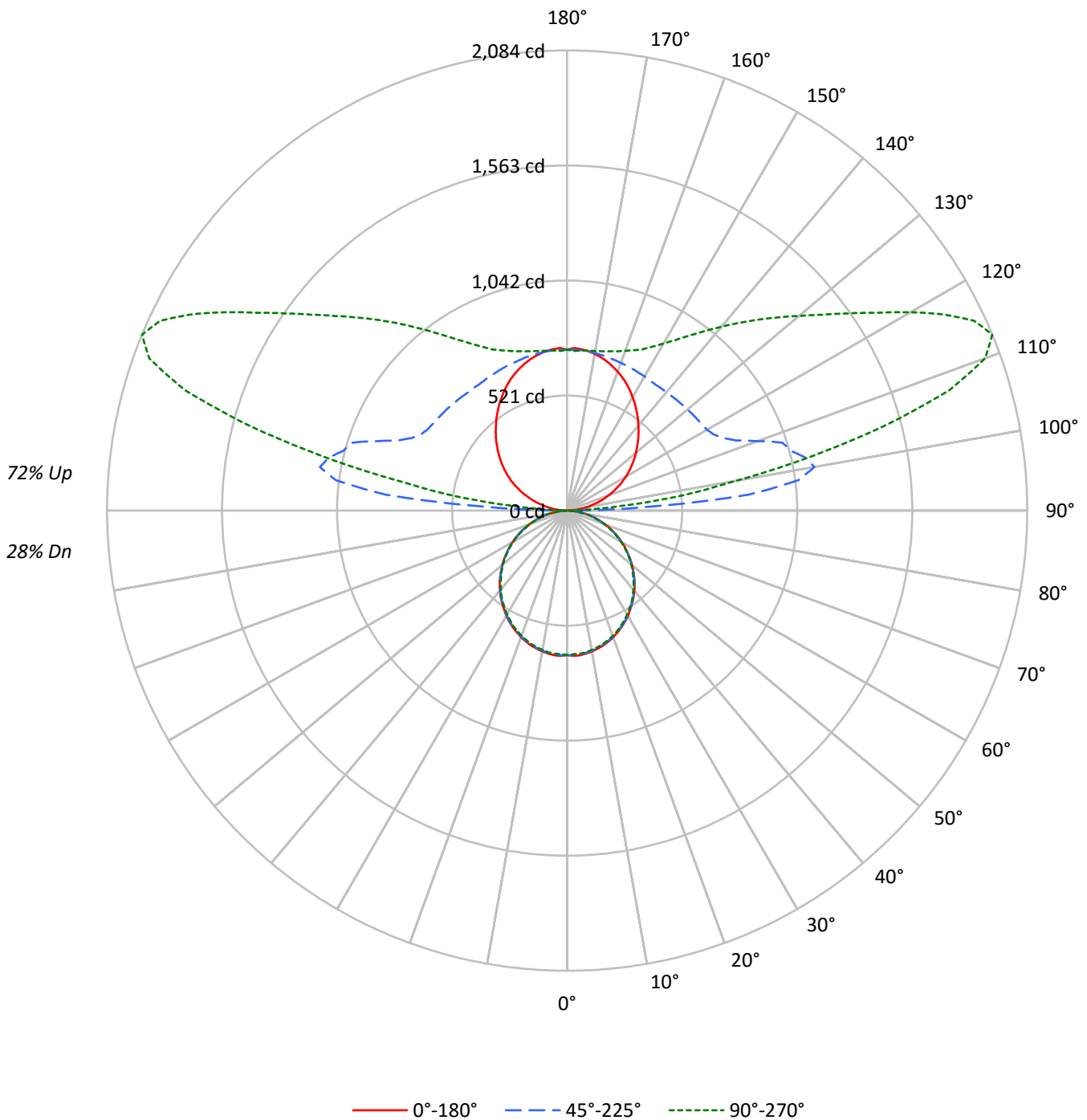
Lumens per Lamp: N/A
Luminaire Lumens: 6635.3 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 46.9
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



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CATALOG NUMBER: CTA-F-7525-20L830-UNV-12

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	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36	28
1	93	88	85	81	83	79	76	73	62	60	58	46	45	44	31	31	30	23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	28	26	25	19
3	77	68	60	55	68	61	55	50	48	43	40	36	33	30	24	23	21	16
4	70	60	52	46	62	54	47	42	42	37	34	32	28	26	22	20	18	14
5	64	53	45	39	57	48	41	36	38	33	29	28	25	22	19	17	16	12
6	59	47	39	34	53	43	36	31	34	29	25	25	22	19	18	15	14	10
7	54	43	35	29	48	38	32	27	30	25	22	23	20	17	16	14	12	9
8	50	38	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11	8
9	47	35	28	23	42	32	25	21	25	20	17	19	16	13	13	11	10	7
10	44	32	25	20	39	29	23	19	23	18	15	18	14	12	12	10	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1408	1408	1408
5°	1421	1412	1405
10°	1415	1407	1401
15°	1409	1400	1394
20°	1398	1392	1383
25°	1384	1377	1368
30°	1367	1362	1351
35°	1348	1343	1334
40°	1329	1324	1309
45°	1309	1303	1287
50°	1284	1280	1269
55°	1257	1250	1240
60°	1228	1220	1211
65°	1196	1183	1169
70°	1152	1136	1123
75°	1104	1081	1076
80°	1020	1003	987
85°	919	852	785



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	0.9
10°-20°	177.0	2.7
20°-30°	266.3	4.0
30°-40°	318.7	4.8
40°-50°	328.8	5.0
50°-60°	297.3	4.5
60°-70°	229.7	3.5
70°-80°	137.9	2.1
80°-90°	40.4	0.6
90°-100°	387.0	5.8
100°-110°	980.5	14.8
110°-120°	985.1	14.8
120°-130°	763.8	11.5
130°-140°	600.6	9.1
140°-150°	457.6	6.9
150°-160°	329.5	5.0
160°-170°	203.6	3.1
170°-180°	69.4	1.0
0°-30°	505.3	7.6
0°-40°	824.0	12.4
0°-60°	1450.2	21.9
0°-90°	1858.1	28.0
90°-120°	2352.6	35.5
90°-150°	4174.7	62.9
90°-180°	4777.0	72.0
0°-180°	6635.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	654	654	654	654	654	
5°	658	651	654	652	650	62
15°	632	626	628	628	626	178
25°	582	576	580	576	576	268
35°	513	509	511	506	508	321
45°	430	426	428	423	423	331
55°	335	334	333	330	330	300
65°	235	233	232	230	230	232
75°	133	131	130	130	129	140
85°	37	37	34	32	32	39
90°	3	4	5	4	3	6
95°	41	143	825	388	252	44
105°	144	238	1048	1707	1496	152
115°	252	318	777	1746	2034	250
125°	358	412	720	1298	1556	320
135°	455	498	705	1056	1222	351
145°	549	576	697	873	967	343
155°	634	644	707	770	805	292
165°	699	697	719	738	746	197
175°	734	725	728	728	728	70
180°	728	728	728	728	728	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	654.2	654.2	654.2	654.2	654.2
2.5°	658.8	652.8	655.5	654.2	650.9
5°	657.5	650.9	653.5	652.2	650.2
7.5°	653.5	647.5	650.2	648.2	647.5
10°	647.5	640.9	643.6	641.6	640.9
12.5°	640.2	633.6	637.6	635.6	633.6
15°	632.3	625.6	628.3	627.6	625.6
17.5°	621.7	615.7	618.3	617.7	615.0
20°	610.4	603.7	607.7	605.1	603.7
22.5°	596.4	591.1	593.8	590.5	590.5
25°	582.5	576.5	579.9	575.9	575.9
27.5°	567.3	561.3	565.3	560.6	560.0
30°	550.0	545.4	548.0	543.4	543.4
32.5°	531.4	528.1	530.8	525.5	525.5
35°	512.9	508.9	510.9	506.2	507.5
37.5°	493.6	490.3	492.3	487.6	488.3
40°	473.0	470.4	471.1	467.1	465.7
42.5°	452.5	448.5	450.5	445.8	445.8
45°	429.9	425.9	427.9	423.3	422.6
47.5°	406.0	405.4	404.7	400.7	402.1
50°	383.5	382.8	382.2	378.2	378.8
52.5°	359.6	358.3	357.6	353.6	354.9
55°	335.0	333.7	333.1	329.7	330.4
57.5°	310.5	309.8	308.5	305.9	305.9
60°	285.3	284.6	283.3	281.3	281.3
62.5°	260.7	260.1	258.1	256.1	256.1
65°	234.9	232.9	232.2	230.2	229.6
67.5°	209.7	207.0	205.7	205.0	203.7
70°	183.1	181.8	180.5	179.8	178.5
72.5°	157.9	155.9	155.2	155.2	153.3
75°	132.7	130.7	130.0	130.0	129.4
77.5°	106.2	107.5	105.5	105.5	104.2
80°	82.3	82.3	80.9	80.3	79.6
82.5°	58.4	59.7	57.7	57.1	55.1
85°	37.2	37.2	34.5	32.5	31.8
87.5°	15.9	15.3	13.3	11.9	10.0
90°	3.3	4.0	5.3	4.0	3.3
92.5°	21.2	91.6	343.0	80.9	55.1
95°	41.1	142.6	824.7	388.1	251.5
97.5°	64.4	171.2	1055.6	696.0	526.1
100°	89.6	222.9	1137.2	1023.1	772.3
102.5°	116.1	234.9	1105.3	1403.2	1130.5
105°	144.0	237.5	1048.3	1707.1	1496.1
107.5°	171.2	241.5	1023.1	1890.9	1815.9
110°	199.0	265.4	918.9	1937.3	2014.3



TEST NUMBER: P234872

CATALOG NUMBER: CTA-F-7525-20L830-UNV-12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	226.2	293.2	828.7	1872.3	2083.9
115°	252.1	318.5	776.9	1745.6	2033.5
117.5°	280.6	343.0	747.7	1606.2	1923.4
120°	307.2	366.2	731.8	1484.8	1796.0
122.5°	332.4	390.1	724.5	1382.6	1667.3
125°	357.6	412.0	719.9	1297.7	1556.5
127.5°	382.2	432.6	715.9	1228.1	1457.0
130°	406.7	453.8	712.6	1164.4	1370.7
132.5°	430.6	476.4	708.6	1108.0	1294.4
135°	455.1	497.6	705.3	1055.6	1222.1
137.5°	479.0	518.2	701.9	1005.1	1153.1
140°	501.6	537.4	698.6	955.4	1086.1
142.5°	526.1	557.3	698.6	913.6	1024.4
145°	548.7	575.9	696.6	873.1	967.3
147.5°	571.2	593.1	698.6	839.9	916.2
150°	593.1	611.7	701.3	812.7	873.1
152.5°	614.4	628.3	703.3	788.9	836.6
155°	634.3	644.2	706.6	770.3	805.4
157.5°	652.8	658.8	709.2	759.0	785.5
160°	669.4	673.4	711.9	749.7	769.6
162.5°	684.7	686.7	714.5	743.1	756.3
165°	698.6	696.6	719.2	737.8	746.4
167.5°	710.6	707.2	721.2	732.5	739.1
170°	719.9	715.9	724.5	730.5	733.8
172.5°	728.5	721.2	726.5	728.5	730.5
175°	733.8	725.2	727.8	727.8	727.8
177.5°	737.1	728.5	728.5	728.5	723.2
180°	728.5	728.5	728.5	728.5	728.5

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