

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: P234863

Luminaire Tested: **CTA-F-2575-30L830-UNV-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234863
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-2575-30L830-UNV-8
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
3000 LUMENS, 25% UPLIGHT, 75% DOWNLIGHT
Light Source: (672) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5888.0 lumens
Efficiency: N/A
Efficacy: 109.0 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: Semi-Direct

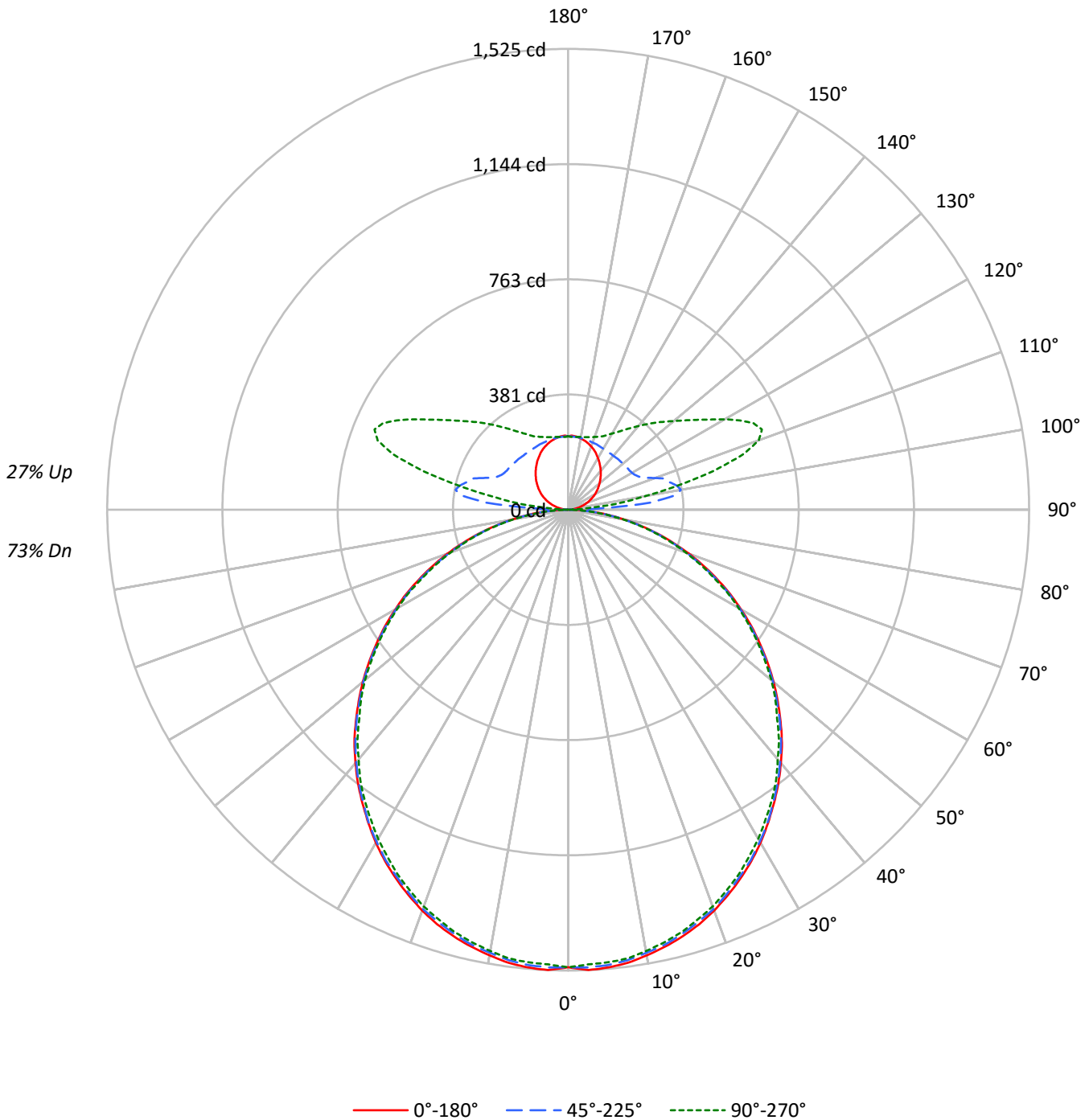
Input Watts (W): 54
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P234863

CATALOG NUMBER: CTA-F-2575-30L830-UNV-8

Luminous Intensity Polar Plot





TEST NUMBER: P234863

CATALOG NUMBER: CTA-F-2575-30L830-UNV-8

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	113	113	113	113	107	107	107	107	96	96	96		86	86	86		77	77	77	73
1	103	98	94	90	97	93	89	86	84	81	78		76	73	71		68	66	65	61
2	93	85	79	73	88	81	75	70	73	69	65		66	62	59		59	56	54	50
3	85	75	67	61	80	71	64	58	64	59	54		58	54	50		52	49	46	42
4	78	66	58	51	73	63	55	49	57	51	46		52	47	42		47	43	39	36
5	71	59	50	44	67	56	48	42	51	45	40		46	41	37		42	37	34	31
6	66	53	44	38	62	51	43	37	46	39	35		42	36	32		38	33	30	27
7	61	48	39	34	57	46	38	32	42	35	30		38	33	28		35	30	26	24
8	56	43	35	30	53	42	34	29	38	32	27		35	29	25		32	27	24	21
9	53	40	32	27	50	38	31	26	35	29	24		32	27	23		29	25	21	19
10	49	37	29	24	47	35	28	23	32	26	22		30	24	21		27	23	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4890	4890	4890
5°	4929	4902	4874
10°	4911	4882	4863
15°	4887	4859	4839
20°	4851	4831	4801
25°	4801	4778	4749
30°	4744	4728	4689
35°	4676	4660	4628
40°	4613	4596	4544
45°	4538	4522	4463
50°	4457	4439	4406
55°	4362	4339	4305
60°	4262	4236	4209
65°	4152	4102	4053
70°	4008	3946	3902
75°	3826	3754	3724
80°	3537	3492	3416
85°	3164	2945	2704



TEST NUMBER: P234863

CATALOG NUMBER: CTA-F-2575-30L830-UNV-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	2.4
10°-20°	409.5	7.0
20°-30°	616.3	10.5
30°-40°	737.3	12.5
40°-50°	760.9	12.9
50°-60°	688.0	11.7
60°-70°	531.3	9.0
70°-80°	319.1	5.4
80°-90°	92.2	1.6
90°-100°	128.8	2.2
100°-110°	326.3	5.5
110°-120°	327.9	5.6
120°-130°	254.2	4.3
130°-140°	199.9	3.4
140°-150°	152.3	2.6
150°-160°	109.6	1.9
160°-170°	67.8	1.2
170°-180°	23.1	0.4
0°-30°	1169.2	19.9
0°-40°	1906.6	32.4
0°-60°	3355.4	57.0
0°-90°	4298.1	73.0
90°-120°	783.0	13.3
90°-150°	1389.4	23.6
90°-180°	1590.0	27.0
0°-180°	5888.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1514	1514	1514	1514	1514	
5°	1521	1506	1512	1508	1504	144
15°	1462	1448	1454	1452	1448	412
25°	1348	1335	1341	1333	1333	621
35°	1186	1178	1182	1172	1174	743
45°	994	986	990	980	977	767
55°	775	773	771	762	765	693
65°	543	539	537	532	530	538
75°	307	303	301	301	298	323
85°	85	85	80	75	73	91
90°	1	1	2	1	1	6
95°	14	47	274	130	84	14
105°	48	79	349	568	498	51
115°	84	106	258	581	676	83
125°	119	137	240	432	518	106
135°	151	165	235	352	407	117
145°	182	191	232	291	322	114
155°	211	214	235	257	268	97
165°	233	232	239	246	248	65
175°	244	241	242	242	242	23
180°	243	243	243	243	243	



TEST NUMBER: P234863

CATALOG NUMBER: CTA-F-2575-30L830-UNV-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1514.3	1514.3	1514.3	1514.3	1514.3
2.5°	1524.9	1510.1	1516.0	1514.3	1506.0
5°	1520.7	1506.0	1512.5	1508.4	1503.7
7.5°	1512.5	1497.8	1503.7	1499.5	1497.8
10°	1497.8	1483.1	1488.9	1484.8	1483.1
12.5°	1481.3	1466.6	1474.8	1470.1	1466.6
15°	1461.9	1447.7	1453.6	1451.9	1447.7
17.5°	1438.9	1424.2	1430.7	1428.9	1422.4
20°	1411.8	1397.1	1405.9	1399.5	1397.1
22.5°	1380.6	1368.3	1374.7	1365.9	1365.9
25°	1347.6	1334.7	1341.2	1332.9	1332.9
27.5°	1311.7	1299.4	1307.6	1297.0	1294.7
30°	1272.3	1261.7	1268.2	1257.6	1257.6
32.5°	1229.9	1221.7	1228.1	1215.2	1215.2
35°	1186.3	1178.1	1182.2	1171.6	1174.0
37.5°	1142.2	1133.9	1138.6	1128.0	1129.8
40°	1094.5	1088.0	1090.4	1079.8	1078.0
42.5°	1046.8	1038.0	1042.1	1032.1	1032.1
45°	993.8	986.2	990.3	979.7	977.3
47.5°	940.2	937.9	935.5	927.3	929.6
50°	887.2	886.1	883.7	874.9	877.2
52.5°	831.3	829.0	827.2	819.0	820.7
55°	774.8	773.0	770.7	762.4	764.8
57.5°	718.9	716.5	714.2	708.3	708.3
60°	660.0	658.2	655.9	651.7	651.7
62.5°	604.1	601.7	597.6	592.9	592.9
65°	543.4	538.7	536.9	532.2	530.5
67.5°	484.5	478.1	476.3	473.9	472.2
70°	424.5	419.8	418.0	415.7	413.3
72.5°	365.0	361.5	359.1	359.1	355.0
75°	306.7	303.2	300.9	300.9	298.5
77.5°	246.1	248.5	244.3	244.3	240.2
80°	190.2	190.2	187.8	186.0	183.7
82.5°	136.0	137.8	133.6	131.3	127.2
85°	85.4	85.4	79.5	75.4	73.0
87.5°	37.7	35.9	31.2	27.1	23.0
90°	1.2	1.2	1.8	1.2	1.2
92.5°	7.1	30.6	114.2	27.1	18.3
95°	13.5	47.1	274.4	129.5	83.6
97.5°	21.2	57.1	351.5	231.4	174.9
100°	30.0	74.2	378.6	340.3	256.7
102.5°	38.9	78.3	368.0	466.9	376.2
105°	47.7	78.9	349.1	568.1	498.1
107.5°	57.1	80.7	340.3	629.4	604.6
110°	65.9	88.3	305.6	644.7	670.6



TEST NUMBER: P234863

CATALOG NUMBER: CTA-F-2575-30L830-UNV-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	75.4	97.7	275.5	622.9	693.5
115°	84.2	106.0	258.5	581.1	676.5
117.5°	93.6	114.2	249.0	534.6	640.0
120°	102.4	121.9	243.7	494.0	597.6
122.5°	110.7	129.5	240.8	460.4	554.6
125°	118.9	137.2	239.6	431.6	518.1
127.5°	127.2	144.2	238.4	408.6	485.1
130°	135.4	150.7	237.3	387.4	456.3
132.5°	143.7	158.4	235.5	368.6	431.0
135°	151.3	165.4	234.9	351.5	406.8
137.5°	159.6	172.5	233.7	334.4	383.9
140°	167.2	179.0	232.6	317.9	361.5
142.5°	174.9	185.5	232.6	303.8	340.9
145°	182.5	191.3	232.0	290.8	322.0
147.5°	190.2	197.2	232.6	279.7	305.0
150°	197.2	203.7	233.1	270.8	290.8
152.5°	204.3	209.0	233.7	262.6	278.5
155°	211.4	214.3	234.9	256.7	267.9
157.5°	217.2	219.0	236.1	252.6	261.4
160°	222.5	224.3	236.7	249.6	256.1
162.5°	227.8	228.4	237.9	247.3	251.4
165°	232.6	232.0	239.0	245.5	248.5
167.5°	236.1	235.5	240.2	243.7	246.1
170°	239.6	238.4	240.8	243.2	244.3
172.5°	242.6	240.2	242.0	242.6	243.2
175°	244.3	241.4	242.0	242.0	242.0
177.5°	245.5	242.6	242.6	242.6	240.8
180°	242.6	242.6	242.6	242.6	242.6

(END OF REPORT)