

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: P393832

Luminaire Tested: **I3-UL-60L830-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P393832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-60L830-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
6000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

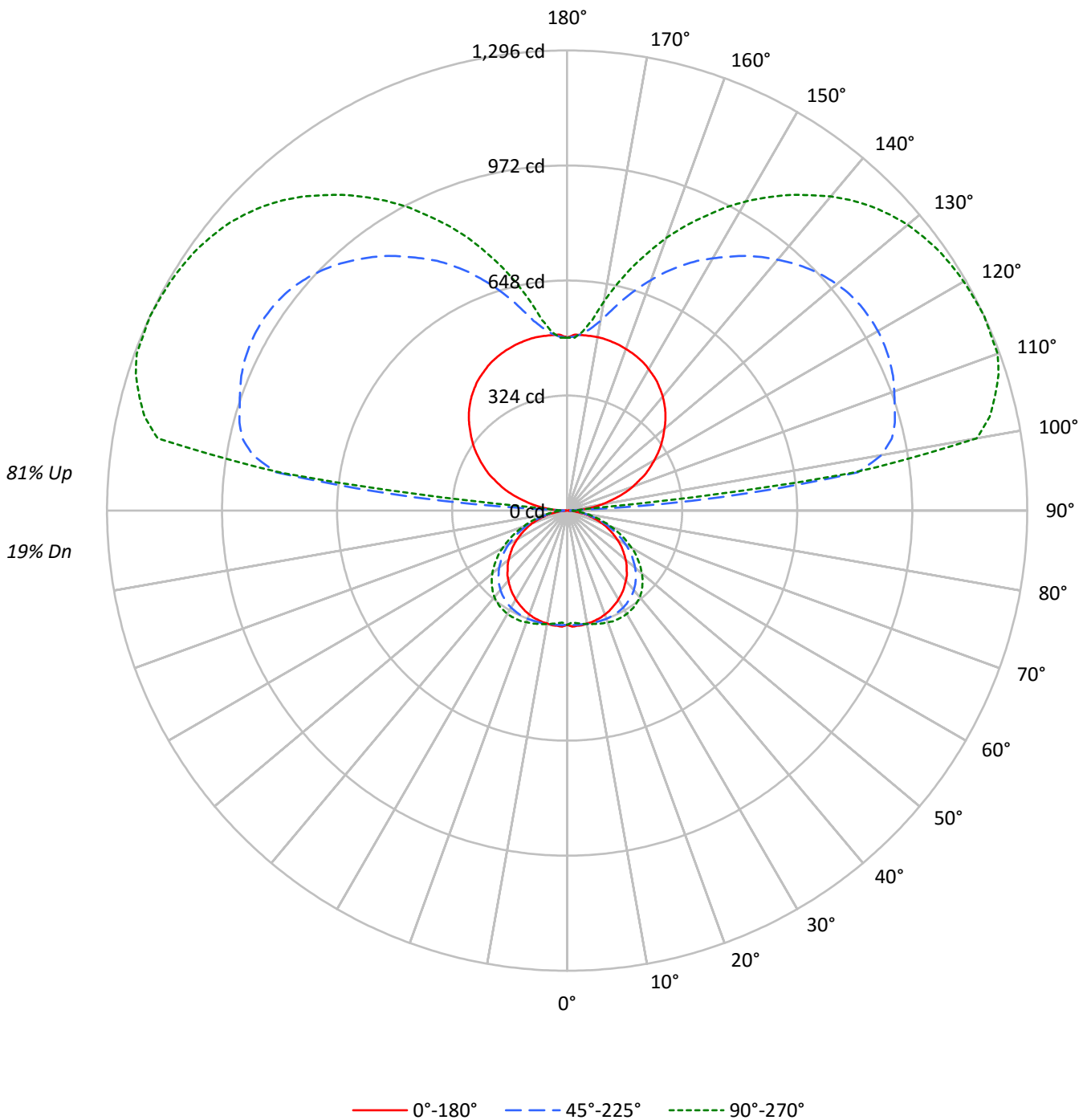
Lumens per Lamp: N/A
Luminaire Lumens: 5901.8 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 41.3
Input Voltage (V): 120
Input Current (A_{in}): 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	50	30	10	0	
RCR																						
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19				
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16				
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13				
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11				
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9				
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8				
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7				
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6				
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5				
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5				
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1767	1767	1767
5°	1791	1741	1708
10°	1789	1730	1710
15°	1792	1723	1725
20°	1793	1730	1745
25°	1791	1734	1771
30°	1793	1737	1788
35°	1791	1728	1796
40°	1783	1715	1786
45°	1768	1679	1747
50°	1752	1625	1682
55°	1721	1546	1587
60°	1668	1434	1459
65°	1595	1277	1301
70°	1506	1108	1098
75°	1307	869	881
80°	1038	625	637
85°	615	364	420



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.8	0.5
10°-20°	91.7	1.6
20°-30°	147.5	2.5
30°-40°	189.9	3.2
40°-50°	208.5	3.5
50°-60°	196.0	3.3
60°-70°	152.3	2.6
70°-80°	87.4	1.5
80°-90°	28.0	0.5
90°-100°	377.3	6.4
100°-110°	896.5	15.2
110°-120°	900.6	15.3
120°-130°	825.9	14.0
130°-140°	690.6	11.7
140°-150°	518.4	8.8
150°-160°	337.4	5.7
160°-170°	173.8	2.9
170°-180°	49.2	0.8
0°-30°	270.0	4.6
0°-40°	459.9	7.8
0°-60°	864.4	14.6
0°-90°	1132.1	19.2
90°-120°	2174.4	36.8
90°-150°	4209.3	71.3
90°-180°	4770.0	80.8
0°-180°	5901.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	321	321	321	321	321	
5°	326	323	323	321	318	31
15°	318	317	324	329	330	90
25°	301	304	321	333	337	139
35°	275	282	305	324	330	172
45°	237	249	273	294	300	183
55°	190	201	222	238	244	170
65°	134	141	154	167	172	132
75°	71	74	82	90	93	76
85°	14	18	23	30	32	17
90°	2	4	9	13	14	4
95°	51	422	433	58	50	51
105°	147	566	956	1178	1248	155
115°	243	637	1002	1219	1296	239
125°	323	665	1008	1207	1277	288
135°	391	662	963	1145	1212	302
145°	442	634	876	1028	1085	276
155°	474	582	761	871	913	219
165°	492	525	617	684	710	139
175°	496	494	500	506	506	47
180°	487	487	487	487	487	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	321.4	321.4	321.4	321.4	321.4	321.4	321.4	321.4	321.4	321.4	321.4
2.5°	327.3	325.8	324.4	324.4	322.9	322.9	322.9	321.4	321.4	321.4	322.9
5°	325.8	325.8	324.4	322.9	322.9	322.9	321.4	321.4	321.4	321.4	322.9
7.5°	325.8	324.4	322.9	322.9	321.4	321.4	321.4	321.4	321.4	321.4	322.9
10°	322.9	322.9	321.4	321.4	320.0	321.4	321.4	321.4	321.4	321.4	324.4
12.5°	321.4	321.4	320.0	318.5	318.5	318.5	320.0	320.0	320.0	321.4	324.4
15°	318.5	318.5	317.1	317.1	317.1	317.1	318.5	318.5	320.0	321.4	324.4
17.5°	315.6	315.6	314.2	314.2	314.2	315.6	315.6	317.1	318.5	321.4	324.4
20°	311.3	311.3	311.3	311.3	311.3	312.7	312.7	314.2	317.1	320.0	324.4
22.5°	306.9	306.9	306.9	306.9	306.9	308.4	309.8	312.7	314.2	318.5	322.9
25°	301.1	301.1	301.1	301.1	302.5	304.0	305.4	308.4	311.3	315.6	321.4
27.5°	295.3	296.7	296.7	296.7	298.2	299.6	301.1	304.0	308.4	314.2	318.5
30°	289.4	289.4	289.4	290.9	292.4	293.8	296.7	299.6	304.0	309.8	315.6
32.5°	282.2	282.2	283.6	283.6	286.5	288.0	290.9	295.3	299.6	305.4	311.3
35°	274.9	274.9	274.9	277.8	279.3	282.2	283.6	288.0	293.8	299.6	305.4
37.5°	266.2	267.6	267.6	269.1	272.0	274.9	276.4	282.2	288.0	293.8	299.6
40°	257.4	258.9	258.9	260.4	264.7	266.2	269.1	274.9	279.3	286.5	292.4
42.5°	248.7	248.7	250.2	251.6	256.0	257.4	260.4	266.2	272.0	277.8	283.6
45°	237.1	238.5	240.0	241.4	245.8	248.7	251.6	256.0	261.8	267.6	273.4
47.5°	226.9	226.9	228.4	231.3	235.6	238.5	240.0	245.8	250.2	256.0	261.8
50°	215.3	216.7	216.7	219.6	224.0	226.9	228.4	234.2	238.5	244.4	250.2
52.5°	202.2	203.6	205.1	208.0	212.4	215.3	216.7	221.1	225.4	231.3	235.6
55°	190.5	192.0	192.0	194.9	199.3	200.7	203.6	206.5	212.4	216.7	222.5
57.5°	177.4	178.9	178.9	181.8	184.7	187.6	189.1	193.4	197.8	202.2	206.5
60°	162.9	164.4	165.8	167.3	170.2	173.1	174.5	177.4	181.8	186.2	190.5
62.5°	148.4	149.8	151.3	152.7	155.6	157.1	158.5	162.9	165.8	170.2	173.1
65°	133.8	135.3	136.7	138.2	139.6	141.1	142.5	145.4	148.4	152.7	154.2
67.5°	119.3	120.7	120.7	122.2	123.6	125.1	126.5	129.5	130.9	135.3	136.7
70°	104.7	104.7	104.7	106.2	106.2	107.6	109.1	112.0	113.5	116.4	119.3
72.5°	87.3	88.7	88.7	88.7	90.2	91.6	93.1	94.5	96.0	97.5	100.4
75°	71.3	72.7	71.3	72.7	74.2	74.2	75.6	77.1	78.5	80.0	81.5
77.5°	56.7	55.3	56.7	56.7	58.2	58.2	58.2	59.6	62.5	62.5	65.5
80°	40.7	40.7	40.7	40.7	42.2	42.2	43.6	43.6	46.5	48.0	49.5
82.5°	26.2	26.2	27.6	27.6	27.6	29.1	29.1	30.5	32.0	33.5	34.9
85°	14.5	14.5	14.5	16.0	16.0	17.5	17.5	18.9	20.4	21.8	23.3
87.5°	4.4	5.8	7.3	7.3	8.7	8.7	10.2	10.2	13.1	14.5	16.0
90°	1.5	1.5	2.9	2.9	2.9	4.4	4.4	5.8	5.8	7.3	8.7
92.5°	24.7	58.2	120.7	180.4	155.6	145.4	87.3	26.2	23.3	24.7	24.7
95°	50.9	96.0	176.0	285.1	369.4	421.8	456.7	523.6	592.0	580.3	433.4
97.5°	74.2	123.6	212.4	312.7	429.1	488.7	533.8	613.8	701.1	773.8	826.2
100°	97.5	148.4	242.9	347.6	455.3	509.1	561.4	670.5	756.3	829.1	898.9
102.5°	122.2	173.1	270.5	379.6	485.8	538.2	589.1	685.1	781.1	868.3	936.7
105°	146.9	199.3	295.3	407.3	513.4	565.8	615.3	706.9	795.6	877.1	955.6
107.5°	173.1	222.5	317.1	429.1	535.3	587.6	637.1	728.7	814.5	896.0	967.2
110°	196.4	244.4	338.9	449.4	555.6	608.0	657.4	749.1	833.4	910.5	980.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	218.2	264.7	359.3	466.9	571.6	624.0	672.0	763.6	848.0	923.6	993.4
115°	242.9	283.6	379.6	482.9	586.2	637.1	685.1	775.2	859.6	933.8	1002.1
117.5°	263.3	302.5	397.1	496.0	597.8	647.3	693.8	784.0	866.9	941.1	1008.0
120°	283.6	320.0	413.1	507.6	606.5	654.5	701.1	789.8	872.7	945.4	1010.9
122.5°	304.0	337.4	426.2	519.3	613.8	661.8	706.9	794.2	875.6	946.9	1010.9
125°	322.9	352.0	437.8	528.0	618.2	664.7	708.3	794.2	874.2	944.0	1008.0
127.5°	340.4	368.0	446.5	536.7	621.1	666.2	708.3	791.2	871.2	939.6	1002.1
130°	357.8	382.5	455.3	541.1	624.0	664.7	705.4	785.4	864.0	932.3	992.0
132.5°	375.3	398.5	462.5	545.4	625.4	664.7	702.5	779.6	855.2	922.1	978.9
135°	391.3	410.2	469.8	548.3	624.0	661.8	696.7	769.4	842.2	907.6	962.9
137.5°	405.8	421.8	475.6	549.8	622.5	657.4	692.3	757.8	826.2	890.2	944.0
140°	418.9	433.4	478.5	549.8	616.7	651.6	683.6	746.2	808.7	869.8	922.1
142.5°	430.5	443.6	482.9	546.9	610.9	644.3	674.9	734.5	791.2	849.4	900.3
145°	442.2	452.3	485.8	545.4	603.6	634.2	663.2	720.0	775.2	827.6	875.6
147.5°	450.9	461.1	488.7	539.6	594.9	622.5	650.2	704.0	754.9	804.3	848.0
150°	459.6	468.3	490.2	533.8	584.7	609.4	634.2	685.1	734.5	779.6	820.3
152.5°	468.3	474.2	494.5	528.0	573.1	596.3	621.1	666.2	711.2	753.4	792.7
155°	474.2	478.5	496.0	522.2	561.4	581.8	602.2	644.3	685.1	724.3	760.7
157.5°	480.0	484.3	497.4	517.8	548.3	567.3	584.7	621.1	658.9	693.8	727.2
160°	484.3	487.3	497.4	514.9	536.7	549.8	565.8	599.3	631.3	661.8	690.9
162.5°	488.7	490.2	497.4	510.5	526.5	535.3	546.9	573.1	602.2	628.3	654.5
165°	491.6	493.1	497.4	507.6	517.8	525.1	530.9	549.8	571.6	594.9	616.7
167.5°	494.5	494.5	497.4	504.7	510.5	514.9	519.3	529.4	544.0	561.4	577.4
170°	496.0	496.0	497.4	501.8	506.2	507.6	510.5	516.3	523.6	532.3	542.5
172.5°	496.0	496.0	496.0	498.9	500.3	500.3	500.3	503.3	507.6	513.4	517.8
175°	496.0	494.5	494.5	496.0	494.5	494.5	494.5	494.5	496.0	498.9	500.3
177.5°	496.0	494.5	493.1	493.1	491.6	491.6	490.2	490.2	490.2	490.2	490.2
180°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	321.4	321.4	321.4	321.4	321.4	321.4	321.4	321.4	321.4	321.4
2.5°	322.9	322.9	321.4	320.0	320.0	320.0	318.5	317.1	315.6	315.6
5°	322.9	322.9	321.4	321.4	321.4	321.4	320.0	320.0	318.5	318.5
7.5°	324.4	322.9	322.9	322.9	322.9	322.9	322.9	322.9	321.4	321.4
10°	324.4	324.4	324.4	324.4	324.4	324.4	324.4	324.4	324.4	324.4
12.5°	325.8	325.8	325.8	325.8	327.3	327.3	327.3	327.3	327.3	327.3
15°	325.8	327.3	328.7	328.7	328.7	330.2	330.2	330.2	330.2	330.2
17.5°	327.3	328.7	330.2	330.2	331.6	331.6	333.1	333.1	333.1	333.1
20°	327.3	328.7	330.2	331.6	333.1	333.1	334.5	336.0	336.0	334.5
22.5°	325.8	328.7	330.2	331.6	333.1	334.5	336.0	337.4	337.4	337.4
25°	324.4	327.3	330.2	333.1	333.1	334.5	337.4	337.4	337.4	337.4
27.5°	322.9	325.8	328.7	331.6	333.1	334.5	336.0	337.4	337.4	337.4
30°	320.0	324.4	327.3	330.2	331.6	333.1	334.5	336.0	336.0	336.0
32.5°	315.6	320.0	322.9	327.3	328.7	330.2	331.6	333.1	333.1	333.1
35°	311.3	315.6	318.5	322.9	324.4	325.8	328.7	328.7	330.2	330.2
37.5°	304.0	309.8	312.7	317.1	318.5	320.0	322.9	324.4	324.4	324.4
40°	296.7	302.5	305.4	309.8	311.3	312.7	315.6	317.1	318.5	318.5
42.5°	288.0	293.8	296.7	301.1	302.5	304.0	306.9	308.4	309.8	309.8
45°	279.3	283.6	286.5	290.9	293.8	293.8	296.7	298.2	299.6	299.6
47.5°	267.6	272.0	274.9	279.3	282.2	283.6	285.1	286.5	288.0	288.0
50°	254.5	258.9	263.3	266.2	269.1	269.1	272.0	273.4	274.9	274.9
52.5°	241.4	244.4	248.7	253.1	254.5	256.0	257.4	258.9	260.4	260.4
55°	226.9	229.8	234.2	237.1	238.5	240.0	241.4	242.9	244.4	244.4
57.5°	210.9	213.8	218.2	221.1	222.5	224.0	225.4	226.9	228.4	228.4
60°	193.4	196.4	200.7	203.6	205.1	205.1	208.0	209.4	209.4	209.4
62.5°	176.0	178.9	181.8	184.7	186.2	187.6	189.1	190.5	190.5	190.5
65°	158.5	161.4	164.4	165.8	167.3	167.3	168.7	170.2	171.6	171.6
67.5°	139.6	142.5	145.4	146.9	148.4	148.4	149.8	151.3	151.3	151.3
70°	120.7	122.2	125.1	126.5	128.0	128.0	130.9	130.9	130.9	130.9
72.5°	101.8	103.3	106.2	107.6	109.1	109.1	110.5	112.0	112.0	112.0
75°	84.4	85.8	87.3	90.2	90.2	90.2	91.6	93.1	93.1	93.1
77.5°	66.9	68.4	69.8	71.3	72.7	72.7	74.2	75.6	75.6	75.6
80°	50.9	52.4	53.8	55.3	55.3	56.7	56.7	58.2	58.2	58.2
82.5°	36.4	37.8	39.3	40.7	42.2	42.2	43.6	45.1	45.1	43.6
85°	24.7	27.6	29.1	30.5	30.5	30.5	32.0	33.5	33.5	32.0
87.5°	17.5	17.5	18.9	20.4	20.4	21.8	21.8	23.3	23.3	23.3
90°	10.2	10.2	11.6	11.6	13.1	13.1	13.1	14.5	14.5	14.5
92.5°	24.7	24.7	26.2	26.2	26.2	26.2	27.6	27.6	27.6	27.6
95°	264.7	119.3	100.4	61.1	58.2	50.9	49.5	50.9	50.9	49.5
97.5°	888.7	951.2	990.5	1009.4	986.1	961.4	933.8	929.4	891.6	807.2
100°	958.5	1008.0	1056.0	1089.4	1102.5	1114.1	1140.3	1156.3	1163.6	1170.9
102.5°	993.4	1045.8	1088.0	1130.1	1147.6	1163.6	1186.9	1205.8	1213.0	1218.9
105°	1024.0	1077.8	1124.3	1162.1	1178.1	1192.7	1216.0	1233.4	1246.5	1248.0
107.5°	1031.2	1088.0	1140.3	1186.9	1205.8	1221.8	1249.4	1262.5	1274.1	1274.1
110°	1044.3	1098.1	1146.1	1188.3	1207.2	1226.1	1255.2	1275.6	1287.2	1290.1



TEST NUMBER: P393832

CATALOG NUMBER: I3-UL-60L830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1054.5	1109.8	1154.9	1197.0	1213.0	1230.5	1258.1	1277.0	1287.2	1291.6
115°	1063.2	1117.1	1162.1	1201.4	1218.9	1236.3	1264.0	1280.0	1291.6	1296.0
117.5°	1069.1	1121.4	1166.5	1202.9	1221.8	1236.3	1262.5	1280.0	1291.6	1293.0
120°	1070.5	1122.9	1166.5	1202.9	1218.9	1234.9	1261.0	1278.5	1290.1	1290.1
122.5°	1070.5	1121.4	1165.1	1200.0	1214.5	1229.0	1253.8	1274.1	1284.3	1284.3
125°	1064.7	1115.6	1157.8	1192.7	1207.2	1220.3	1246.5	1265.4	1275.6	1277.0
127.5°	1056.0	1105.4	1147.6	1182.5	1197.0	1208.7	1236.3	1253.8	1264.0	1265.4
130°	1044.3	1093.8	1134.5	1168.0	1182.5	1195.6	1218.9	1237.8	1249.4	1252.3
132.5°	1031.2	1077.8	1118.5	1150.5	1165.1	1176.7	1200.0	1218.9	1229.0	1233.4
135°	1015.2	1058.9	1098.1	1130.1	1144.7	1156.3	1178.1	1197.0	1207.2	1211.6
137.5°	994.9	1037.1	1074.9	1106.9	1120.0	1131.6	1153.4	1170.9	1179.6	1185.4
140°	971.6	1010.9	1050.1	1079.2	1092.3	1104.0	1122.9	1141.8	1150.5	1154.9
142.5°	946.9	986.1	1021.1	1050.1	1061.8	1073.4	1092.3	1109.8	1118.5	1120.0
145°	920.7	958.5	990.5	1018.1	1028.3	1040.0	1057.4	1074.9	1083.6	1085.1
147.5°	891.6	926.5	957.1	983.2	994.9	1003.6	1019.6	1035.6	1044.3	1045.8
150°	858.2	890.2	917.8	944.0	954.1	962.9	980.3	994.9	1003.6	1005.1
152.5°	826.2	856.7	880.0	903.2	913.4	922.1	936.7	951.2	960.0	961.4
155°	792.7	820.3	843.6	862.5	871.2	880.0	891.6	904.7	912.0	913.4
157.5°	757.8	784.0	804.3	821.8	830.5	837.8	848.0	859.6	864.0	866.9
160°	720.0	741.8	759.2	776.7	784.0	791.2	801.4	810.2	816.0	817.4
162.5°	679.2	698.2	712.7	728.7	733.1	738.9	749.1	757.8	762.2	763.6
165°	637.1	654.5	667.6	680.7	683.6	688.0	695.2	704.0	706.9	709.8
167.5°	594.9	609.4	618.2	629.8	634.2	637.1	644.3	650.2	653.1	654.5
170°	554.2	564.3	571.6	580.3	581.8	586.2	590.5	596.3	597.8	597.8
172.5°	522.2	526.5	530.9	533.8	535.3	536.7	539.6	541.1	541.1	541.1
175°	501.8	504.7	504.7	506.2	506.2	506.2	506.2	506.2	506.2	506.2
177.5°	490.2	490.2	490.2	488.7	488.7	488.7	488.7	487.3	487.3	487.3
180°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3

(END OF REPORT)