

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: P395069

Luminaire Tested: **I3-UL-80L930-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P395069
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-80L930-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
8000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

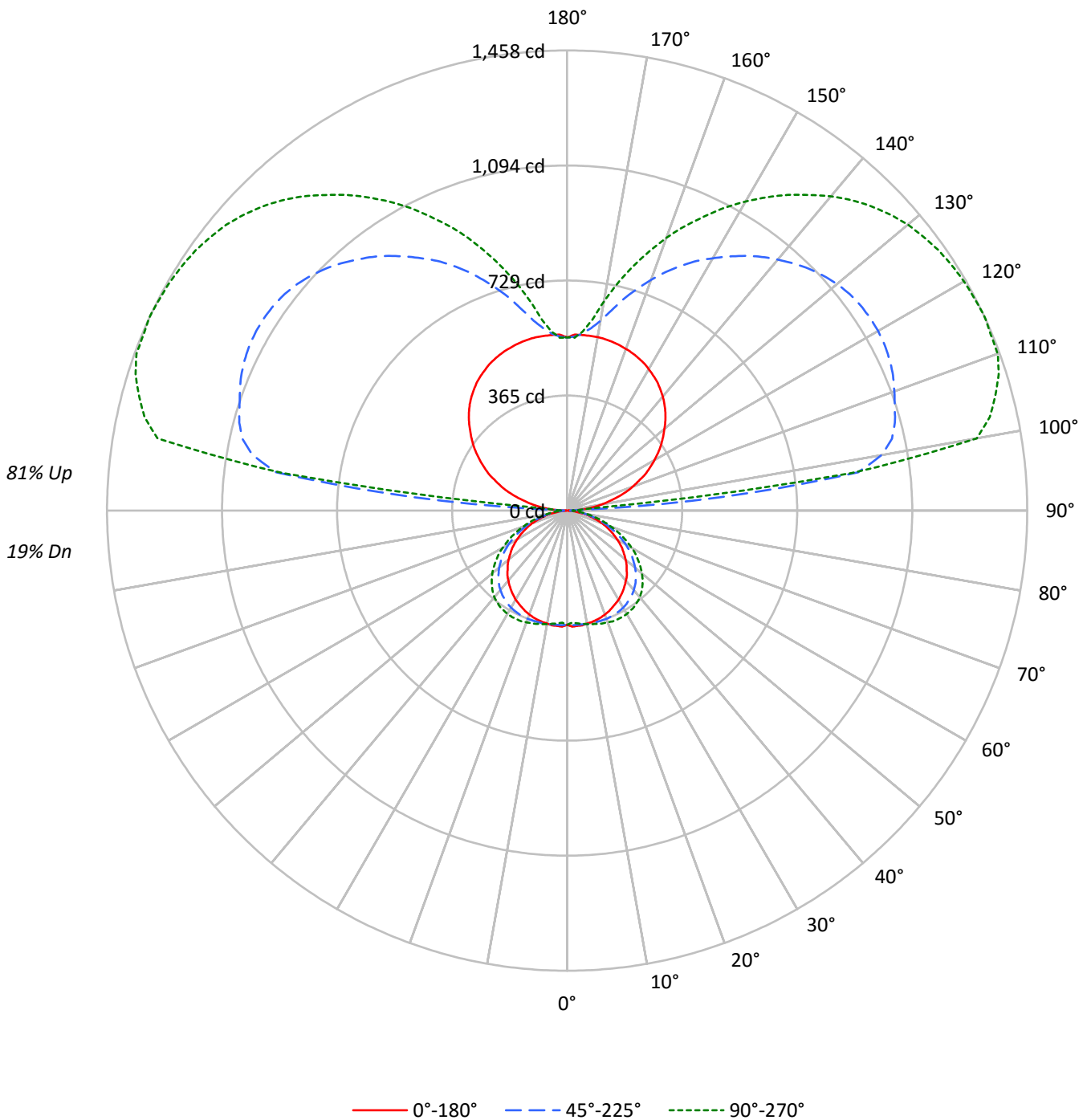
Lumens per Lamp: N/A
Luminaire Lumens: 6641.7 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 57.2
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	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°	1988	1988	1988
5°	2016	1959	1922
10°	2013	1946	1924
15°	2017	1939	1941
20°	2018	1947	1964
25°	2015	1952	1993
30°	2018	1954	2012
35°	2015	1944	2022
40°	2008	1930	2010
45°	1989	1890	1966
50°	1972	1828	1893
55°	1937	1739	1785
60°	1877	1614	1643
65°	1795	1437	1465
70°	1696	1246	1236
75°	1470	977	991
80°	1168	703	717
85°	696	409	472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	0.5
10°-20°	103.2	1.6
20°-30°	166.0	2.5
30°-40°	213.7	3.2
40°-50°	234.7	3.5
50°-60°	220.6	3.3
60°-70°	171.4	2.6
70°-80°	98.3	1.5
80°-90°	31.5	0.5
90°-100°	424.6	6.4
100°-110°	1008.9	15.2
110°-120°	1013.5	15.3
120°-130°	929.5	14.0
130°-140°	777.2	11.7
140°-150°	583.3	8.8
150°-160°	379.7	5.7
160°-170°	195.6	2.9
170°-180°	55.3	0.8
0°-30°	303.9	4.6
0°-40°	517.5	7.8
0°-60°	972.8	14.6
0°-90°	1274.0	19.2
90°-120°	2447.1	36.8
90°-150°	4737.1	71.3
90°-180°	5368.0	80.8
0°-180°	6641.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	362	362	362	362	362	
5°	367	363	363	362	358	35
15°	358	357	365	370	372	101
25°	339	342	362	375	380	156
35°	309	318	344	365	372	193
45°	267	280	308	331	337	206
55°	214	226	250	268	275	191
65°	151	159	174	188	193	149
75°	80	84	92	102	105	85
85°	16	20	26	34	36	19
90°	2	5	10	15	16	5
95°	57	475	488	66	56	57
105°	165	637	1075	1326	1404	175
115°	273	717	1128	1372	1458	269
125°	363	748	1134	1359	1437	324
135°	440	745	1084	1288	1364	339
145°	498	714	985	1157	1221	311
155°	534	655	856	980	1028	246
165°	553	591	694	769	799	157
175°	558	556	563	570	570	53
180°	548	548	548	548	548	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.7
2.5°	368.3	366.7	365.0	365.0	363.4	363.4	363.4	361.7	361.7	361.7	363.4
5°	366.7	366.7	365.0	363.4	363.4	363.4	361.7	361.7	361.7	361.7	363.4
7.5°	366.7	365.0	363.4	363.4	361.7	361.7	361.7	361.7	361.7	361.7	363.4
10°	363.4	363.4	361.7	361.7	360.1	361.7	361.7	361.7	361.7	361.7	365.0
12.5°	361.7	361.7	360.1	358.5	358.5	358.5	360.1	360.1	360.1	361.7	365.0
15°	358.5	358.5	356.8	356.8	356.8	356.8	358.5	358.5	360.1	361.7	365.0
17.5°	355.2	355.2	353.6	353.6	353.6	355.2	355.2	356.8	358.5	361.7	365.0
20°	350.3	350.3	350.3	350.3	350.3	351.9	351.9	353.6	356.8	360.1	365.0
22.5°	345.4	345.4	345.4	345.4	345.4	347.0	348.7	351.9	353.6	358.5	363.4
25°	338.8	338.8	338.8	338.8	340.5	342.1	343.7	347.0	350.3	355.2	361.7
27.5°	332.2	333.9	333.9	333.9	335.6	337.2	338.8	342.1	347.0	353.6	358.5
30°	325.8	325.8	325.8	327.4	329.0	330.7	333.9	337.2	342.1	348.7	355.2
32.5°	317.6	317.6	319.2	319.2	322.5	324.1	327.4	332.2	337.2	343.7	350.3
35°	309.3	309.3	309.3	312.7	314.2	317.6	319.2	324.1	330.7	337.2	343.7
37.5°	299.5	301.2	301.2	302.8	306.1	309.3	311.0	317.6	324.1	330.7	337.2
40°	289.8	291.3	291.3	293.0	297.9	299.5	302.8	309.3	314.2	322.5	329.0
42.5°	279.9	279.9	281.5	283.2	288.1	289.8	293.0	299.5	306.1	312.7	319.2
45°	266.8	268.4	270.1	271.7	276.6	279.9	283.2	288.1	294.6	301.2	307.8
47.5°	255.3	255.3	257.0	260.3	265.2	268.4	270.1	276.6	281.5	288.1	294.6
50°	242.3	243.9	243.9	247.2	252.1	255.3	257.0	263.5	268.4	275.0	281.5
52.5°	227.5	229.2	230.8	234.1	239.0	242.3	243.9	248.8	253.7	260.3	265.2
55°	214.4	216.0	216.0	219.4	224.3	225.9	229.2	232.4	239.0	243.9	250.4
57.5°	199.7	201.4	201.4	204.6	207.9	211.2	212.8	217.7	222.6	227.5	232.4
60°	183.3	184.9	186.6	188.2	191.5	194.8	196.5	199.7	204.6	209.5	214.4
62.5°	167.0	168.6	170.2	171.9	175.1	176.8	178.4	183.3	186.6	191.5	194.8
65°	150.6	152.2	153.9	155.5	157.1	158.8	160.4	163.7	167.0	171.9	173.5
67.5°	134.2	135.9	135.9	137.5	139.1	140.8	142.4	145.7	147.3	152.2	153.9
70°	117.9	117.9	117.9	119.5	119.5	121.1	122.8	126.1	127.7	131.0	134.2
72.5°	98.2	99.8	99.8	99.8	101.5	103.1	104.7	106.4	108.1	109.6	113.0
75°	80.2	81.8	80.2	81.8	83.5	83.5	85.1	86.7	88.4	90.1	91.6
77.5°	63.8	62.2	63.8	63.8	65.5	65.5	65.5	67.1	70.4	70.4	73.6
80°	45.8	45.8	45.8	45.8	47.5	47.5	49.1	49.1	52.4	54.0	55.7
82.5°	29.5	29.5	31.1	31.1	31.1	32.7	32.7	34.4	36.0	37.7	39.3
85°	16.4	16.4	16.4	18.0	18.0	19.7	19.7	21.2	22.9	24.6	26.2
87.5°	4.9	6.6	8.2	8.2	9.8	9.8	11.5	11.5	14.7	16.4	18.0
90°	1.7	1.7	3.2	3.2	3.2	4.9	4.9	6.6	6.6	8.2	9.8
92.5°	27.8	65.5	135.9	202.9	175.1	163.7	98.2	29.5	26.2	27.8	27.8
95°	57.3	108.1	198.0	320.8	415.7	474.7	513.9	589.3	666.2	653.1	487.8
97.5°	83.5	139.1	239.0	351.9	482.9	550.0	600.8	690.7	789.0	870.8	929.8
100°	109.6	167.0	273.3	391.2	512.4	572.9	631.8	754.6	851.2	933.0	1011.6
102.5°	137.5	194.8	304.4	427.2	546.7	605.7	662.9	771.0	879.0	977.2	1054.1
105°	165.3	224.3	332.2	458.3	577.8	636.8	692.4	795.5	895.3	987.0	1075.4
107.5°	194.8	250.4	356.8	482.9	602.3	661.3	717.0	820.0	916.7	1008.3	1088.5
110°	220.9	275.0	381.4	505.8	625.2	684.2	739.9	842.9	937.9	1024.6	1103.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	245.5	297.9	404.3	525.4	643.2	702.2	756.2	859.4	954.3	1039.4	1118.0
115°	273.3	319.2	427.2	543.4	659.7	717.0	771.0	872.4	967.4	1050.9	1127.8
117.5°	296.3	340.5	446.9	558.2	672.7	728.4	780.8	882.3	975.6	1059.1	1134.4
120°	319.2	360.1	464.9	571.3	682.6	736.6	789.0	888.8	982.1	1064.0	1137.6
122.5°	342.1	379.7	479.6	584.3	690.7	744.8	795.5	893.7	985.4	1065.6	1137.6
125°	363.4	396.2	492.7	594.2	695.6	748.1	797.1	893.7	983.7	1062.3	1134.4
127.5°	383.0	414.1	502.5	604.0	698.9	749.7	797.1	890.4	980.5	1057.4	1127.8
130°	402.6	430.5	512.4	608.9	702.2	748.1	793.9	883.9	972.3	1049.2	1116.4
132.5°	422.3	448.5	520.5	613.8	703.8	748.1	790.6	877.4	962.5	1037.7	1101.6
135°	440.3	461.6	528.7	617.1	702.2	744.8	784.0	865.9	947.8	1021.4	1083.6
137.5°	456.7	474.7	535.3	618.8	700.6	739.9	779.1	852.8	929.8	1001.7	1062.3
140°	471.4	487.8	538.5	618.8	694.0	733.3	769.3	839.7	910.1	978.8	1037.7
142.5°	484.5	499.2	543.4	615.4	687.5	725.1	759.5	826.6	890.4	955.9	1013.2
145°	497.6	509.0	546.7	613.8	679.3	713.6	746.4	810.2	872.4	931.3	985.4
147.5°	507.5	518.9	550.0	607.3	669.5	700.6	731.6	792.2	849.5	905.2	954.3
150°	517.3	527.0	551.6	600.8	658.0	685.8	713.6	771.0	826.6	877.4	923.2
152.5°	527.0	533.6	556.5	594.2	644.9	671.1	698.9	749.7	800.5	847.9	892.1
155°	533.6	538.5	558.2	587.6	631.8	654.7	677.7	725.1	771.0	815.1	856.1
157.5°	540.2	545.1	559.8	582.7	617.1	638.4	658.0	698.9	741.5	780.8	818.5
160°	545.1	548.4	559.8	579.4	604.0	618.8	636.8	674.4	710.4	744.8	777.5
162.5°	550.0	551.6	559.8	574.5	592.5	602.3	615.4	644.9	677.7	707.2	736.6
165°	553.3	554.9	559.8	571.3	582.7	590.9	597.4	618.8	643.2	669.5	694.0
167.5°	556.5	556.5	559.8	568.0	574.5	579.4	584.3	595.8	612.2	631.8	649.8
170°	558.2	558.2	559.8	564.7	569.6	571.3	574.5	581.1	589.3	599.1	610.5
172.5°	558.2	558.2	558.2	561.4	563.1	563.1	563.1	566.4	571.3	577.8	582.7
175°	558.2	556.5	556.5	558.2	556.5	556.5	556.5	556.5	558.2	561.4	563.1
177.5°	558.2	556.5	554.9	554.9	553.3	553.3	551.6	551.6	551.6	551.6	551.6
180°	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.7
2.5°	363.4	363.4	361.7	360.1	360.1	360.1	358.5	356.8	355.2	355.2
5°	363.4	363.4	361.7	361.7	361.7	361.7	360.1	360.1	358.5	358.5
7.5°	365.0	363.4	363.4	363.4	363.4	363.4	363.4	363.4	361.7	361.7
10°	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0	365.0
12.5°	366.7	366.7	366.7	366.7	368.3	368.3	368.3	368.3	368.3	368.3
15°	366.7	368.3	369.9	369.9	369.9	371.6	371.6	371.6	371.6	371.6
17.5°	368.3	369.9	371.6	371.6	373.2	373.2	374.8	374.8	374.8	374.8
20°	368.3	369.9	371.6	373.2	374.8	374.8	376.5	378.1	378.1	376.5
22.5°	366.7	369.9	371.6	373.2	374.8	376.5	378.1	379.7	379.7	379.7
25°	365.0	368.3	371.6	374.8	374.8	376.5	379.7	379.7	379.7	379.7
27.5°	363.4	366.7	369.9	373.2	374.8	376.5	378.1	379.7	379.7	379.7
30°	360.1	365.0	368.3	371.6	373.2	374.8	376.5	378.1	378.1	378.1
32.5°	355.2	360.1	363.4	368.3	369.9	371.6	373.2	374.8	374.8	374.8
35°	350.3	355.2	358.5	363.4	365.0	366.7	369.9	369.9	371.6	371.6
37.5°	342.1	348.7	351.9	356.8	358.5	360.1	363.4	365.0	365.0	365.0
40°	333.9	340.5	343.7	348.7	350.3	351.9	355.2	356.8	358.5	358.5
42.5°	324.1	330.7	333.9	338.8	340.5	342.1	345.4	347.0	348.7	348.7
45°	314.2	319.2	322.5	327.4	330.7	330.7	333.9	335.6	337.2	337.2
47.5°	301.2	306.1	309.3	314.2	317.6	319.2	320.8	322.5	324.1	324.1
50°	286.4	291.3	296.3	299.5	302.8	302.8	306.1	307.8	309.3	309.3
52.5°	271.7	275.0	279.9	284.8	286.4	288.1	289.8	291.3	293.0	293.0
55°	255.3	258.6	263.5	266.8	268.4	270.1	271.7	273.3	275.0	275.0
57.5°	237.4	240.6	245.5	248.8	250.4	252.1	253.7	255.3	257.0	257.0
60°	217.7	220.9	225.9	229.2	230.8	230.8	234.1	235.7	235.7	235.7
62.5°	198.0	201.4	204.6	207.9	209.5	211.2	212.8	214.4	214.4	214.4
65°	178.4	181.7	184.9	186.6	188.2	188.2	189.9	191.5	193.1	193.1
67.5°	157.1	160.4	163.7	165.3	167.0	167.0	168.6	170.2	170.2	170.2
70°	135.9	137.5	140.8	142.4	144.0	144.0	147.3	147.3	147.3	147.3
72.5°	114.5	116.2	119.5	121.1	122.8	122.8	124.4	126.1	126.1	126.1
75°	95.0	96.6	98.2	101.5	101.5	101.5	103.1	104.7	104.7	104.7
77.5°	75.3	76.9	78.6	80.2	81.8	81.8	83.5	85.1	85.1	85.1
80°	57.3	58.9	60.6	62.2	62.2	63.8	63.8	65.5	65.5	65.5
82.5°	40.9	42.6	44.2	45.8	47.5	47.5	49.1	50.7	50.7	49.1
85°	27.8	31.1	32.7	34.4	34.4	34.4	36.0	37.7	37.7	36.0
87.5°	19.7	19.7	21.2	22.9	22.9	24.6	24.6	26.2	26.2	26.2
90°	11.5	11.5	13.1	13.1	14.7	14.7	14.7	16.4	16.4	16.4
92.5°	27.8	27.8	29.5	29.5	29.5	29.5	31.1	31.1	31.1	31.1
95°	297.9	134.2	113.0	68.7	65.5	57.3	55.7	57.3	57.3	55.7
97.5°	1000.2	1070.5	1114.7	1135.9	1109.8	1082.0	1050.9	1046.0	1003.4	908.4
100°	1078.7	1134.4	1188.4	1226.0	1240.8	1253.8	1283.3	1301.3	1309.5	1317.7
102.5°	1118.0	1176.9	1224.3	1271.8	1291.5	1309.5	1335.6	1357.0	1365.1	1371.7
105°	1152.4	1212.9	1265.3	1307.8	1325.8	1342.2	1368.4	1388.1	1402.8	1404.4
107.5°	1160.5	1224.3	1283.3	1335.6	1357.0	1375.0	1406.0	1420.8	1433.9	1433.9
110°	1175.3	1235.8	1289.8	1337.3	1358.6	1379.9	1412.6	1435.5	1448.6	1451.9



TEST NUMBER: P395069

CATALOG NUMBER: I3-UL-80L930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1186.7	1248.9	1299.7	1347.1	1365.1	1384.8	1415.9	1437.1	1448.6	1453.5
115°	1196.5	1257.1	1307.8	1352.1	1371.7	1391.3	1422.5	1440.5	1453.5	1458.5
117.5°	1203.1	1262.0	1312.7	1353.6	1375.0	1391.3	1420.8	1440.5	1453.5	1455.2
120°	1204.7	1263.7	1312.7	1353.6	1371.7	1389.7	1419.1	1438.8	1451.9	1451.9
122.5°	1204.7	1262.0	1311.2	1350.4	1366.8	1383.1	1411.0	1433.9	1445.4	1445.4
125°	1198.2	1255.5	1302.9	1342.2	1358.6	1373.3	1402.8	1424.0	1435.5	1437.1
127.5°	1188.4	1244.0	1291.5	1330.7	1347.1	1360.2	1391.3	1411.0	1422.5	1424.0
130°	1175.3	1230.9	1276.7	1314.4	1330.7	1345.5	1371.7	1393.0	1406.0	1409.3
132.5°	1160.5	1212.9	1258.8	1294.7	1311.2	1324.2	1350.4	1371.7	1383.1	1388.1
135°	1142.5	1191.6	1235.8	1271.8	1288.2	1301.3	1325.8	1347.1	1358.6	1363.5
137.5°	1119.6	1167.1	1209.6	1245.7	1260.4	1273.5	1298.0	1317.7	1327.5	1334.1
140°	1093.4	1137.6	1181.8	1214.5	1229.3	1242.3	1263.7	1284.9	1294.7	1299.7
142.5°	1065.6	1109.8	1149.1	1181.8	1194.9	1208.0	1229.3	1248.9	1258.8	1260.4
145°	1036.1	1078.7	1114.7	1145.8	1157.3	1170.4	1190.0	1209.6	1219.4	1221.1
147.5°	1003.4	1042.6	1077.1	1106.5	1119.6	1129.5	1147.5	1165.4	1175.3	1176.9
150°	965.7	1001.7	1032.9	1062.3	1073.8	1083.6	1103.2	1119.6	1129.5	1131.0
152.5°	929.8	964.1	990.3	1016.5	1028.0	1037.7	1054.1	1070.5	1080.3	1082.0
155°	892.1	923.2	949.4	970.7	980.5	990.3	1003.4	1018.2	1026.3	1028.0
157.5°	852.8	882.3	905.2	924.8	934.7	942.8	954.3	967.4	972.3	975.6
160°	810.2	834.8	854.4	874.1	882.3	890.4	901.9	911.8	918.3	919.9
162.5°	764.4	785.7	802.0	820.0	824.9	831.5	842.9	852.8	857.7	859.4
165°	717.0	736.6	751.3	766.0	769.3	774.2	782.4	792.2	795.5	798.8
167.5°	669.5	685.8	695.6	708.7	713.6	717.0	725.1	731.6	735.0	736.6
170°	623.7	635.1	643.2	653.1	654.7	659.7	664.6	671.1	672.7	672.7
172.5°	587.6	592.5	597.4	600.8	602.3	604.0	607.3	608.9	608.9	608.9
175°	564.7	568.0	568.0	569.6	569.6	569.6	569.6	569.6	569.6	569.6
177.5°	551.6	551.6	551.6	550.0	550.0	550.0	550.0	548.4	548.4	548.4
180°	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4

(END OF REPORT)