

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: P393834

Luminaire Tested: **I3-UL-60L840-1D-UNV-STD-W-4**

Issue Date: 3/30/2020

Test Information

Test Method: LM-79-08
Report Number: P393834
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-60L840-1D-UNV-STD-W-4
Description: CORELITE I3, OPEN TOP
6000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

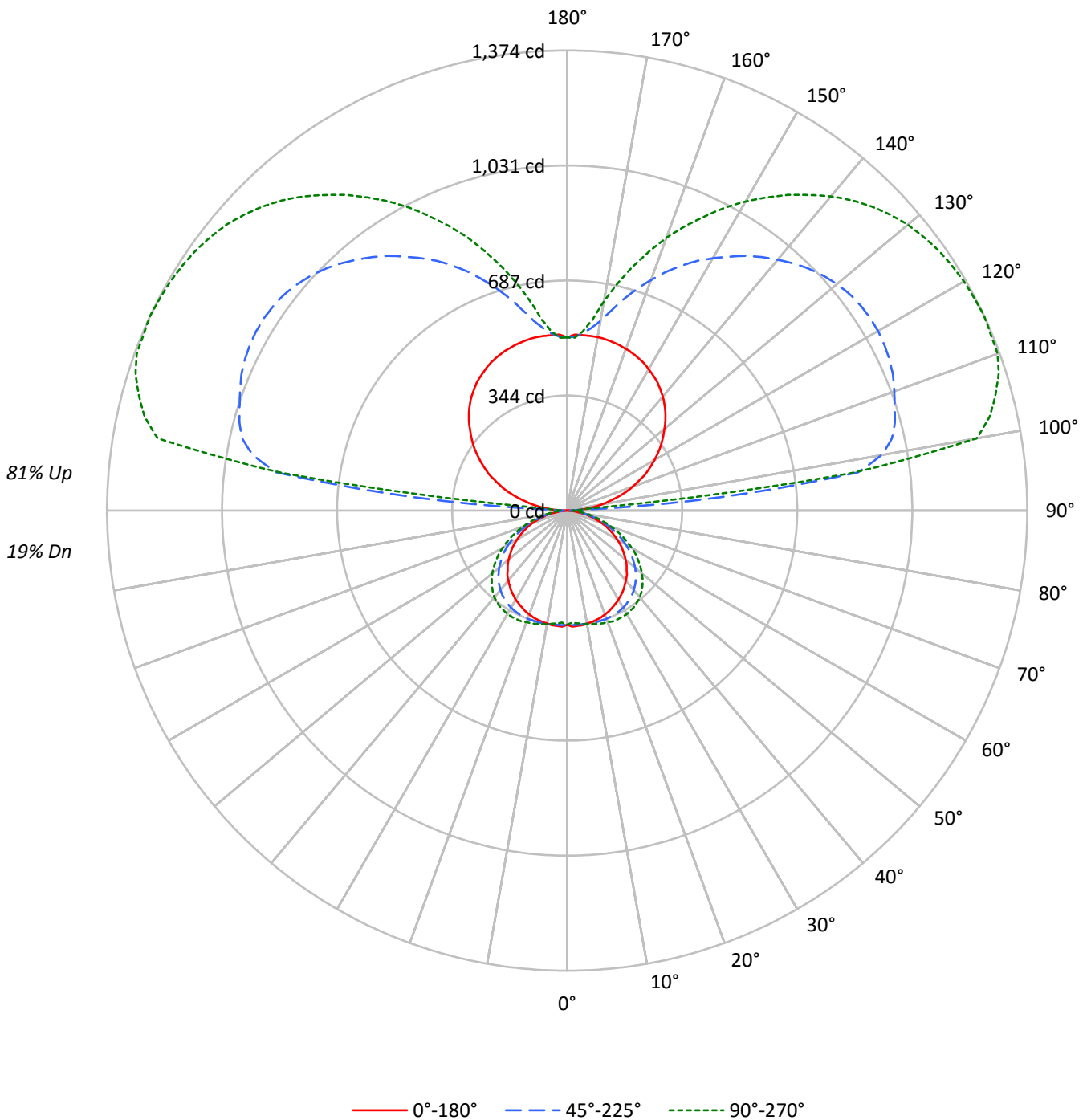
Lumens per Lamp: N/A
Luminaire Lumens: 6258.0 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

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°	1873	1873	1873
5°	1899	1846	1811
10°	1897	1833	1813
15°	1901	1827	1829
20°	1901	1834	1850
25°	1899	1839	1878
30°	1901	1842	1896
35°	1899	1832	1905
40°	1891	1819	1894
45°	1874	1780	1852
50°	1858	1723	1784
55°	1825	1639	1682
60°	1768	1521	1548
65°	1691	1354	1380
70°	1597	1175	1164
75°	1385	921	934
80°	1102	661	676
85°	653	386	444



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	0.5
10°-20°	97.2	1.6
20°-30°	156.5	2.5
30°-40°	201.3	3.2
40°-50°	221.1	3.5
50°-60°	207.8	3.3
60°-70°	161.5	2.6
70°-80°	92.6	1.5
80°-90°	29.7	0.5
90°-100°	400.0	6.4
100°-110°	950.6	15.2
110°-120°	955.0	15.3
120°-130°	875.8	14.0
130°-140°	732.3	11.7
140°-150°	549.6	8.8
150°-160°	357.8	5.7
160°-170°	184.3	2.9
170°-180°	52.1	0.8
0°-30°	286.3	4.6
0°-40°	487.6	7.8
0°-60°	916.6	14.6
0°-90°	1200.4	19.2
90°-120°	2305.7	36.8
90°-150°	4463.4	71.3
90°-180°	5058.0	80.8
0°-180°	6258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	341	341	341	341	341	
5°	346	342	342	341	338	33
15°	338	336	344	349	350	95
25°	319	322	341	353	358	147
35°	292	299	324	344	350	182
45°	251	264	290	312	318	194
55°	202	213	236	253	259	180
65°	142	150	164	177	182	140
75°	76	79	86	96	99	80
85°	15	18	25	32	34	18
90°	2	5	9	14	15	5
95°	54	447	460	62	52	54
105°	156	600	1013	1249	1323	165
115°	258	676	1063	1292	1374	253
125°	342	705	1069	1280	1354	306
135°	415	702	1021	1214	1285	320
145°	469	672	928	1090	1150	293
155°	503	617	807	924	969	232
165°	521	557	654	725	753	147
175°	526	524	530	537	537	50
180°	517	517	517	517	517	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8
2.5°	347.0	345.5	343.9	343.9	342.4	342.4	342.4	340.8	340.8	340.8	342.4
5°	345.5	345.5	343.9	342.4	342.4	342.4	340.8	340.8	340.8	340.8	342.4
7.5°	345.5	343.9	342.4	342.4	340.8	340.8	340.8	340.8	340.8	340.8	342.4
10°	342.4	342.4	340.8	340.8	339.3	340.8	340.8	340.8	340.8	340.8	343.9
12.5°	340.8	340.8	339.3	337.8	337.8	337.8	339.3	339.3	339.3	340.8	343.9
15°	337.8	337.8	336.2	336.2	336.2	336.2	337.8	337.8	339.3	340.8	343.9
17.5°	334.7	334.7	333.1	333.1	333.1	334.7	334.7	336.2	337.8	340.8	343.9
20°	330.0	330.0	330.0	330.0	330.0	331.6	331.6	333.1	336.2	339.3	343.9
22.5°	325.4	325.4	325.4	325.4	325.4	327.0	328.5	331.6	333.1	337.8	342.4
25°	319.3	319.3	319.3	319.3	320.8	322.3	323.9	327.0	330.0	334.7	340.8
27.5°	313.1	314.6	314.6	314.6	316.2	317.7	319.3	322.3	327.0	333.1	337.8
30°	306.9	306.9	306.9	308.5	310.0	311.5	314.6	317.7	322.3	328.5	334.7
32.5°	299.2	299.2	300.7	300.7	303.8	305.4	308.5	313.1	317.7	323.9	330.0
35°	291.5	291.5	291.5	294.6	296.1	299.2	300.7	305.4	311.5	317.7	323.9
37.5°	282.2	283.8	283.8	285.3	288.4	291.5	293.0	299.2	305.4	311.5	317.7
40°	273.0	274.5	274.5	276.1	280.7	282.2	285.3	291.5	296.1	303.8	310.0
42.5°	263.7	263.7	265.3	266.8	271.4	273.0	276.1	282.2	288.4	294.6	300.7
45°	251.4	252.9	254.5	256.0	260.6	263.7	266.8	271.4	277.6	283.8	289.9
47.5°	240.6	240.6	242.1	245.2	249.8	252.9	254.5	260.6	265.3	271.4	277.6
50°	228.3	229.8	229.8	232.9	237.5	240.6	242.1	248.3	252.9	259.1	265.3
52.5°	214.4	215.9	217.5	220.5	225.2	228.3	229.8	234.4	239.1	245.2	249.8
55°	202.0	203.6	203.6	206.7	211.3	212.8	215.9	219.0	225.2	229.8	236.0
57.5°	188.2	189.7	189.7	192.8	195.9	199.0	200.5	205.1	209.7	214.4	219.0
60°	172.7	174.3	175.8	177.4	180.4	183.5	185.1	188.2	192.8	197.4	202.0
62.5°	157.3	158.9	160.4	161.9	165.0	166.6	168.1	172.7	175.8	180.4	183.5
65°	141.9	143.4	145.0	146.5	148.1	149.6	151.1	154.2	157.3	161.9	163.5
67.5°	126.5	128.0	128.0	129.6	131.1	132.6	134.2	137.3	138.8	143.4	145.0
70°	111.0	111.0	111.0	112.6	112.6	114.1	115.7	118.8	120.3	123.4	126.5
72.5°	92.5	94.1	94.1	94.1	95.6	97.2	98.7	100.2	101.8	103.3	106.4
75°	75.6	77.1	75.6	77.1	78.7	78.7	80.2	81.7	83.3	84.8	86.4
77.5°	60.1	58.6	60.1	60.1	61.7	61.7	61.7	63.2	66.3	66.3	69.4
80°	43.2	43.2	43.2	43.2	44.7	44.7	46.3	46.3	49.4	50.9	52.4
82.5°	27.8	27.8	29.3	29.3	29.3	30.8	30.8	32.4	33.9	35.5	37.0
85°	15.4	15.4	15.4	17.0	17.0	18.5	18.5	20.0	21.6	23.1	24.7
87.5°	4.6	6.2	7.7	7.7	9.3	9.3	10.8	10.8	13.9	15.4	17.0
90°	1.5	1.5	3.1	3.1	3.1	4.6	4.6	6.2	6.2	7.7	9.3
92.5°	26.2	61.7	128.0	191.2	165.0	154.2	92.5	27.8	24.7	26.2	26.2
95°	54.0	101.8	186.6	302.3	391.7	447.3	484.3	555.2	627.7	615.4	459.6
97.5°	78.7	131.1	225.2	331.6	455.0	518.2	566.0	650.8	743.4	820.5	876.0
100°	103.3	157.3	257.6	368.6	482.7	539.8	595.3	711.0	802.0	879.1	953.1
102.5°	129.6	183.5	286.9	402.5	515.1	570.6	624.6	726.4	828.2	920.7	993.2
105°	155.8	211.3	313.1	431.8	544.4	599.9	652.4	749.5	843.6	930.0	1013.3
107.5°	183.5	236.0	336.2	455.0	567.6	623.1	675.5	772.7	863.7	950.0	1025.6
110°	208.2	259.1	359.4	476.6	589.2	644.7	697.1	794.3	883.7	965.5	1039.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	231.3	280.7	380.9	495.1	606.1	661.6	712.5	809.7	899.1	979.3	1053.4
115°	257.6	300.7	402.5	512.0	621.5	675.5	726.4	822.0	911.5	990.1	1062.6
117.5°	279.2	320.8	421.0	525.9	633.9	686.3	735.7	831.3	919.2	997.9	1068.8
120°	300.7	339.3	438.0	538.3	643.1	694.0	743.4	837.5	925.4	1002.5	1071.9
122.5°	322.3	357.8	451.9	550.6	650.8	701.7	749.5	842.1	928.5	1004.0	1071.9
125°	342.4	373.2	464.2	559.8	655.5	704.8	751.1	842.1	926.9	1000.9	1068.8
127.5°	360.9	390.2	473.5	569.1	658.6	706.4	751.1	839.0	923.8	996.3	1062.6
130°	379.4	405.6	482.7	573.7	661.6	704.8	748.0	832.8	916.1	988.6	1051.8
132.5°	397.9	422.6	490.4	578.4	663.2	704.8	744.9	826.7	906.9	977.8	1038.0
135°	414.9	434.9	498.2	581.4	661.6	701.7	738.8	815.9	893.0	962.4	1021.0
137.5°	430.3	447.3	504.3	583.0	660.1	697.1	734.1	803.5	876.0	943.9	1000.9
140°	444.2	459.6	507.4	583.0	653.9	690.9	724.9	791.2	857.5	922.3	977.8
142.5°	456.5	470.4	512.0	579.9	647.8	683.2	715.6	778.9	839.0	900.7	954.7
145°	468.9	479.6	515.1	578.4	640.0	672.4	703.3	763.4	822.0	877.6	928.5
147.5°	478.1	488.9	518.2	572.2	630.8	660.1	689.4	746.5	800.4	852.9	899.1
150°	487.4	496.6	519.7	566.0	620.0	646.2	672.4	726.4	778.9	826.7	869.8
152.5°	496.6	502.8	524.4	559.8	607.7	632.3	658.6	706.4	754.2	798.9	840.5
155°	502.8	507.4	525.9	553.7	595.3	616.9	638.5	683.2	726.4	768.1	806.6
157.5°	509.0	513.6	527.5	549.1	581.4	601.5	620.0	658.6	698.7	735.7	771.1
160°	513.6	516.7	527.5	546.0	569.1	583.0	599.9	635.4	669.3	701.7	732.6
162.5°	518.2	519.7	527.5	541.3	558.3	567.6	579.9	607.7	638.5	666.3	694.0
165°	521.3	522.8	527.5	538.3	549.1	556.8	562.9	583.0	606.1	630.8	653.9
167.5°	524.4	524.4	527.5	535.2	541.3	546.0	550.6	561.4	576.8	595.3	612.3
170°	525.9	525.9	527.5	532.1	536.7	538.3	541.3	547.5	555.2	564.5	575.3
172.5°	525.9	525.9	525.9	529.0	530.5	530.5	530.5	533.6	538.3	544.4	549.1
175°	525.9	524.4	524.4	525.9	524.4	524.4	524.4	524.4	525.9	529.0	530.5
177.5°	525.9	524.4	522.8	522.8	521.3	521.3	519.7	519.7	519.7	519.7	519.7
180°	516.7	516.7	516.7	516.7	516.7	516.7	516.7	516.7	516.7	516.7	516.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8
2.5°	342.4	342.4	340.8	339.3	339.3	339.3	337.8	336.2	334.7	334.7
5°	342.4	342.4	340.8	340.8	340.8	340.8	339.3	339.3	337.8	337.8
7.5°	343.9	342.4	342.4	342.4	342.4	342.4	342.4	342.4	340.8	340.8
10°	343.9	343.9	343.9	343.9	343.9	343.9	343.9	343.9	343.9	343.9
12.5°	345.5	345.5	345.5	345.5	347.0	347.0	347.0	347.0	347.0	347.0
15°	345.5	347.0	348.6	348.6	348.6	350.1	350.1	350.1	350.1	350.1
17.5°	347.0	348.6	350.1	350.1	351.6	351.6	353.2	353.2	353.2	353.2
20°	347.0	348.6	350.1	351.6	353.2	353.2	354.7	356.3	356.3	354.7
22.5°	345.5	348.6	350.1	351.6	353.2	354.7	356.3	357.8	357.8	357.8
25°	343.9	347.0	350.1	353.2	353.2	354.7	357.8	357.8	357.8	357.8
27.5°	342.4	345.5	348.6	351.6	353.2	354.7	356.3	357.8	357.8	357.8
30°	339.3	343.9	347.0	350.1	351.6	353.2	354.7	356.3	356.3	356.3
32.5°	334.7	339.3	342.4	347.0	348.6	350.1	351.6	353.2	353.2	353.2
35°	330.0	334.7	337.8	342.4	343.9	345.5	348.6	348.6	350.1	350.1
37.5°	322.3	328.5	331.6	336.2	337.8	339.3	342.4	343.9	343.9	343.9
40°	314.6	320.8	323.9	328.5	330.0	331.6	334.7	336.2	337.8	337.8
42.5°	305.4	311.5	314.6	319.3	320.8	322.3	325.4	327.0	328.5	328.5
45°	296.1	300.7	303.8	308.5	311.5	311.5	314.6	316.2	317.7	317.7
47.5°	283.8	288.4	291.5	296.1	299.2	300.7	302.3	303.8	305.4	305.4
50°	269.9	274.5	279.2	282.2	285.3	285.3	288.4	289.9	291.5	291.5
52.5°	256.0	259.1	263.7	268.4	269.9	271.4	273.0	274.5	276.1	276.1
55°	240.6	243.7	248.3	251.4	252.9	254.5	256.0	257.6	259.1	259.1
57.5°	223.6	226.7	231.3	234.4	236.0	237.5	239.1	240.6	242.1	242.1
60°	205.1	208.2	212.8	215.9	217.5	217.5	220.5	222.1	222.1	222.1
62.5°	186.6	189.7	192.8	195.9	197.4	199.0	200.5	202.0	202.0	202.0
65°	168.1	171.2	174.3	175.8	177.4	177.4	178.9	180.4	182.0	182.0
67.5°	148.1	151.1	154.2	155.8	157.3	157.3	158.9	160.4	160.4	160.4
70°	128.0	129.6	132.6	134.2	135.7	135.7	138.8	138.8	138.8	138.8
72.5°	108.0	109.5	112.6	114.1	115.7	115.7	117.2	118.8	118.8	118.8
75°	89.5	91.0	92.5	95.6	95.6	95.6	97.2	98.7	98.7	98.7
77.5°	70.9	72.5	74.0	75.6	77.1	77.1	78.7	80.2	80.2	80.2
80°	54.0	55.5	57.1	58.6	58.6	60.1	60.1	61.7	61.7	61.7
82.5°	38.6	40.1	41.6	43.2	44.7	44.7	46.3	47.8	47.8	46.3
85°	26.2	29.3	30.8	32.4	32.4	32.4	33.9	35.5	35.5	33.9
87.5°	18.5	18.5	20.0	21.6	21.6	23.1	23.1	24.7	24.7	24.7
90°	10.8	10.8	12.3	12.3	13.9	13.9	13.9	15.4	15.4	15.4
92.5°	26.2	26.2	27.8	27.8	27.8	27.8	29.3	29.3	29.3	29.3
95°	280.7	126.5	106.4	64.8	61.7	54.0	52.4	54.0	54.0	52.4
97.5°	942.3	1008.7	1050.3	1070.3	1045.7	1019.4	990.1	985.5	945.4	856.0
100°	1016.4	1068.8	1119.7	1155.2	1169.0	1181.4	1209.1	1226.1	1233.8	1241.5
102.5°	1053.4	1108.9	1153.6	1198.4	1216.9	1233.8	1258.5	1278.5	1286.3	1292.4
105°	1085.8	1142.8	1192.2	1232.3	1249.2	1264.7	1289.3	1307.9	1321.7	1323.3
107.5°	1093.5	1153.6	1209.1	1258.5	1278.5	1295.5	1324.8	1338.7	1351.0	1351.0
110°	1107.4	1164.4	1215.3	1260.0	1280.1	1300.1	1331.0	1352.6	1364.9	1368.0



TEST NUMBER: P393834

CATALOG NUMBER: I3-UL-60L840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1118.2	1176.8	1224.6	1269.3	1286.3	1304.8	1334.1	1354.1	1364.9	1369.5
115°	1127.4	1184.5	1232.3	1273.9	1292.4	1310.9	1340.2	1357.2	1369.5	1374.2
117.5°	1133.6	1189.1	1236.9	1275.5	1295.5	1310.9	1338.7	1357.2	1369.5	1371.1
120°	1135.1	1190.6	1236.9	1275.5	1292.4	1309.4	1337.2	1355.7	1368.0	1368.0
122.5°	1135.1	1189.1	1235.4	1272.4	1287.8	1303.2	1329.4	1351.0	1361.8	1361.8
125°	1128.9	1182.9	1227.7	1264.7	1280.1	1294.0	1321.7	1341.8	1352.6	1354.1
127.5°	1119.7	1172.1	1216.9	1253.9	1269.3	1281.6	1310.9	1329.4	1340.2	1341.8
130°	1107.4	1159.8	1203.0	1238.5	1253.9	1267.8	1292.4	1312.5	1324.8	1327.9
132.5°	1093.5	1142.8	1186.0	1219.9	1235.4	1247.7	1272.4	1292.4	1303.2	1307.9
135°	1076.5	1122.8	1164.4	1198.4	1213.8	1226.1	1249.2	1269.3	1280.1	1284.7
137.5°	1054.9	1099.6	1139.7	1173.7	1187.6	1199.9	1223.0	1241.5	1250.8	1257.0
140°	1030.2	1071.9	1113.5	1144.4	1158.3	1170.6	1190.6	1210.7	1219.9	1224.6
142.5°	1004.0	1045.7	1082.7	1113.5	1125.9	1138.2	1158.3	1176.8	1186.0	1187.6
145°	976.3	1016.4	1050.3	1079.6	1090.4	1102.7	1121.2	1139.7	1149.0	1150.5
147.5°	945.4	982.4	1014.8	1042.6	1054.9	1064.2	1081.1	1098.1	1107.4	1108.9
150°	909.9	943.9	973.2	1000.9	1011.7	1021.0	1039.5	1054.9	1064.2	1065.7
152.5°	876.0	908.4	933.1	957.8	968.6	977.8	993.2	1008.7	1017.9	1019.4
155°	840.5	869.8	894.5	914.6	923.8	933.1	945.4	959.3	967.0	968.6
157.5°	803.5	831.3	852.9	871.4	880.6	888.4	899.1	911.5	916.1	919.2
160°	763.4	786.6	805.1	823.6	831.3	839.0	849.8	859.0	865.2	866.8
162.5°	720.2	740.3	755.7	772.7	777.3	783.5	794.3	803.5	808.2	809.7
165°	675.5	694.0	707.9	721.8	724.9	729.5	737.2	746.5	749.5	752.6
167.5°	630.8	646.2	655.5	667.8	672.4	675.5	683.2	689.4	692.5	694.0
170°	587.6	598.4	606.1	615.4	616.9	621.5	626.2	632.3	633.9	633.9
172.5°	553.7	558.3	562.9	566.0	567.6	569.1	572.2	573.7	573.7	573.7
175°	532.1	535.2	535.2	536.7	536.7	536.7	536.7	536.7	536.7	536.7
177.5°	519.7	519.7	519.7	518.2	518.2	518.2	518.2	516.7	516.7	516.7
180°	516.7	516.7	516.7	516.7	516.7	516.7	516.7	516.7	516.7	516.7

(END OF REPORT)