

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: P395485

Luminaire Tested: **I3-CL-80L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-80L93050-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, CLEAR TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5723.7 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

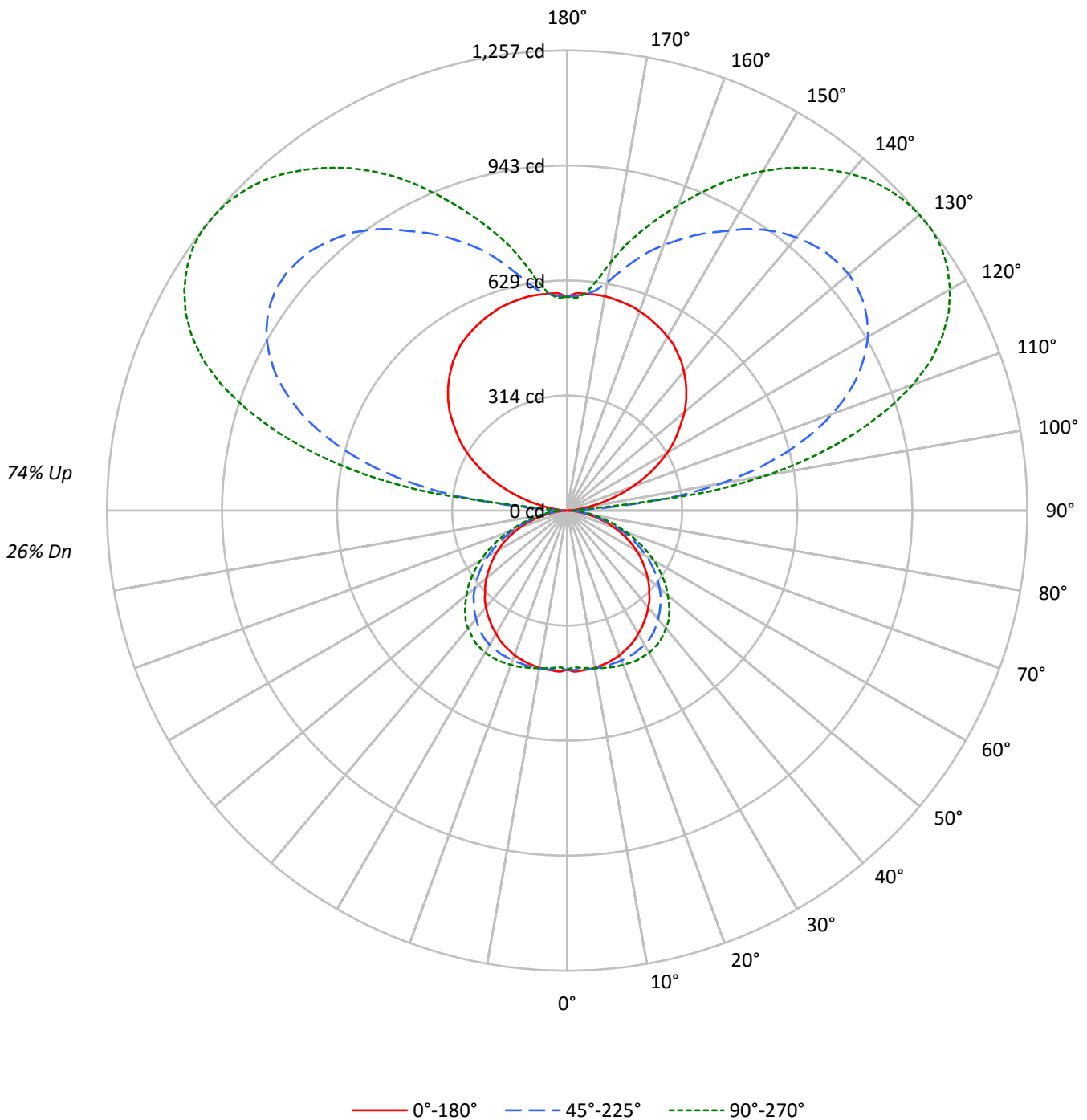
Input Watts (W): 63.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-80L93050-1D-UNV-W2A-W-4 (3000K)

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	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2387	2387	2387
5°	2413	2350	2312
10°	2415	2332	2306
15°	2418	2323	2317
20°	2422	2325	2338
25°	2418	2327	2369
30°	2404	2331	2386
35°	2398	2318	2388
40°	2390	2268	2358
45°	2366	2213	2299
50°	2344	2140	2196
55°	2295	2032	2070
60°	2239	1890	1911
65°	2148	1697	1694
70°	1994	1445	1434
75°	1723	1149	1152
80°	1336	817	843
85°	785	504	565



TEST NUMBER: P395485

CATALOG NUMBER: I3-CL-80L93050-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	0.7
10°-20°	123.5	2.2
20°-30°	197.9	3.5
30°-40°	253.2	4.4
40°-50°	276.0	4.8
50°-60°	258.6	4.5
60°-70°	200.7	3.5
70°-80°	115.0	2.0
80°-90°	36.8	0.6
90°-100°	147.6	2.6
100°-110°	573.9	10.0
110°-120°	781.3	13.6
120°-130°	811.0	14.2
130°-140°	719.4	12.6
140°-150°	558.2	9.8
150°-160°	372.5	6.5
160°-170°	198.5	3.5
170°-180°	58.1	1.0
0°-30°	363.0	6.3
0°-40°	616.1	10.8
0°-60°	1150.8	20.1
0°-90°	1503.3	26.3
90°-120°	1502.7	26.3
90°-150°	3591.3	62.7
90°-180°	4220.0	73.7
0°-180°	5723.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	434	434	434	434	434	
5°	439	434	436	434	431	42
15°	430	428	437	444	444	121
25°	407	410	431	447	451	187
35°	368	376	410	431	439	230
45°	317	331	360	384	394	245
55°	254	268	293	313	319	227
65°	180	188	205	219	223	178
75°	94	99	108	119	122	100
85°	18	22	32	42	43	22
90°	2	5	11	15	18	2
95°	18	105	143	29	28	24
105°	122	368	624	741	812	130
115°	254	568	878	1032	1132	250
125°	368	670	989	1161	1249	329
135°	460	705	998	1171	1240	355
145°	525	705	936	1087	1143	329
155°	565	667	830	941	984	261
165°	588	613	705	772	792	166
175°	594	591	593	596	596	57
180°	584	584	584	584	584	



TEST NUMBER: P395485

CATALOG NUMBER: I3-CL-80L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
2.5°	440.5	439.0	439.0	435.9	435.9	434.3	434.3	434.3	434.3	434.3	435.9
5°	439.0	439.0	437.4	435.9	435.9	434.3	434.3	434.3	434.3	434.3	435.9
7.5°	437.4	437.4	435.9	434.3	434.3	434.3	434.3	434.3	434.3	434.3	437.4
10°	435.9	435.9	434.3	432.8	432.8	432.8	432.8	434.3	434.3	434.3	437.4
12.5°	432.8	431.3	431.3	429.7	429.7	429.7	431.3	431.3	432.8	434.3	437.4
15°	429.7	429.7	428.2	426.6	428.2	428.2	428.2	429.7	431.3	432.8	437.4
17.5°	425.1	425.1	423.6	423.6	423.6	425.1	425.1	426.6	429.7	432.8	435.9
20°	420.5	418.9	418.9	418.9	420.5	420.5	422.0	425.1	426.6	431.3	435.9
22.5°	412.8	414.3	412.8	412.8	414.3	415.9	417.4	420.5	423.6	428.2	432.8
25°	406.6	406.6	406.6	406.6	409.7	409.7	412.8	415.9	420.5	425.1	431.3
27.5°	398.9	398.9	398.9	400.5	402.0	403.5	405.1	409.7	414.3	420.5	426.6
30°	388.1	388.1	388.1	388.1	392.8	394.3	397.4	403.5	408.2	415.9	423.6
32.5°	378.9	378.9	378.9	380.4	383.5	385.1	388.1	395.8	402.0	409.7	417.4
35°	368.1	368.1	369.7	369.7	374.3	375.8	378.9	385.1	391.2	400.5	409.7
37.5°	357.3	357.3	358.9	360.4	363.5	366.6	369.7	375.8	382.0	389.7	398.9
40°	345.0	345.0	346.5	348.1	352.7	355.8	358.9	365.0	371.2	378.9	386.6
42.5°	332.7	332.7	334.2	335.8	340.4	343.5	346.5	354.2	360.4	368.1	374.3
45°	317.3	318.8	320.4	323.4	328.1	331.1	334.2	340.4	348.1	354.2	360.4
47.5°	303.4	305.0	306.5	309.6	314.2	317.3	320.4	326.5	332.7	338.8	346.5
50°	288.0	289.6	291.1	294.2	298.8	301.9	305.0	311.1	317.3	321.9	329.6
52.5°	271.1	272.6	274.2	277.2	283.4	284.9	288.0	294.2	298.8	305.0	311.1
55°	254.1	255.7	257.2	260.3	264.9	268.0	269.5	275.7	280.3	286.5	292.6
57.5°	237.2	238.7	240.3	243.4	246.4	249.5	251.1	255.7	261.8	266.5	272.6
60°	218.7	220.2	221.8	223.3	228.0	229.5	231.0	235.7	240.3	246.4	251.1
62.5°	200.2	200.2	201.8	203.3	207.9	209.5	211.0	214.1	220.2	223.3	228.0
65°	180.2	180.2	181.7	183.3	186.4	187.9	189.4	192.5	197.1	200.2	204.8
67.5°	158.6	158.6	160.2	161.7	164.8	166.3	166.3	171.0	174.0	177.1	180.2
70°	138.6	138.6	140.2	140.2	141.7	143.2	144.8	147.9	149.4	154.0	155.6
72.5°	117.1	117.1	117.1	117.1	120.1	120.1	121.7	124.8	126.3	129.4	132.5
75°	94.0	94.0	95.5	95.5	97.0	98.6	100.1	101.7	104.7	106.3	107.8
77.5°	73.9	72.4	73.9	75.5	77.0	77.0	78.6	80.1	81.6	84.7	86.3
80°	52.4	52.4	52.4	53.9	55.4	55.4	57.0	58.5	60.1	63.1	64.7
82.5°	33.9	33.9	35.4	35.4	37.0	38.5	38.5	40.0	41.6	44.7	46.2
85°	18.5	18.5	18.5	20.0	21.6	21.6	23.1	24.6	27.7	29.3	32.3
87.5°	6.2	6.2	7.7	9.2	10.8	10.8	12.3	13.9	15.4	18.5	20.0
90°	1.5	1.5	1.5	3.1	3.1	4.6	4.6	6.2	7.7	9.2	10.8
92.5°	6.2	10.8	16.9	24.6	23.1	24.6	16.9	10.8	10.8	10.8	12.3
95°	18.5	27.7	44.7	70.8	92.4	104.7	115.5	126.3	147.9	149.4	143.2
97.5°	37.0	50.8	81.6	115.5	154.0	174.0	189.4	221.8	255.7	277.2	303.4
100°	61.6	81.6	121.7	167.9	212.5	238.7	263.4	309.6	351.2	388.1	428.2
102.5°	90.9	114.0	163.3	220.2	275.7	305.0	331.1	385.1	442.0	491.3	534.5
105°	121.7	147.9	206.4	271.1	334.2	368.1	400.5	459.0	519.1	573.0	623.8
107.5°	155.6	183.3	246.4	318.8	389.7	428.2	463.6	526.8	589.9	648.4	702.3
110°	187.9	218.7	284.9	363.5	443.6	482.1	517.5	586.8	653.0	714.7	771.6



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CATALOG NUMBER: I3-CL-80L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	221.8	254.1	320.4	406.6	488.2	528.3	565.3	639.2	708.5	771.6	828.6
115°	254.1	284.9	354.2	443.6	526.8	568.3	608.4	683.9	756.2	819.4	877.9
117.5°	284.9	314.2	385.1	474.4	560.6	602.2	642.3	720.8	793.2	859.4	916.4
120°	315.7	341.9	418.9	500.6	588.4	629.9	671.5	750.1	824.0	890.2	948.8
122.5°	343.5	368.1	443.6	523.7	609.9	653.0	693.1	773.2	848.7	914.9	971.9
125°	368.1	391.2	466.7	542.2	628.4	670.0	711.6	790.1	865.6	930.3	988.8
127.5°	392.8	415.9	483.6	560.6	640.7	683.9	723.9	802.4	876.4	942.6	999.6
130°	418.9	435.9	500.6	577.6	653.0	693.1	734.7	810.1	882.5	947.2	1004.2
132.5°	440.5	455.9	517.5	591.4	662.3	700.8	737.8	813.2	885.6	947.2	1002.7
135°	460.5	472.8	529.8	603.8	670.0	705.4	740.8	811.7	882.5	944.1	998.1
137.5°	479.0	491.3	540.6	613.0	676.2	707.0	740.8	807.1	874.8	936.4	987.3
140°	495.9	505.2	549.9	617.6	679.2	708.5	737.8	799.4	862.5	922.6	973.4
142.5°	512.9	520.6	557.6	620.7	680.8	708.5	736.2	790.1	848.7	907.2	958.0
145°	525.2	532.9	563.7	622.2	679.2	705.4	730.1	780.9	833.3	887.2	936.4
147.5°	539.1	545.2	569.9	619.2	674.6	699.3	722.4	768.6	816.3	865.6	911.8
150°	548.3	554.5	573.0	616.1	666.9	690.0	713.1	756.2	799.4	842.5	882.5
152.5°	557.6	562.2	577.6	611.5	657.7	679.2	700.8	742.4	782.4	820.9	856.4
155°	565.3	569.9	580.7	608.4	646.9	666.9	686.9	727.0	763.9	797.8	830.2
157.5°	573.0	576.0	583.7	603.8	634.6	653.0	671.5	707.0	740.8	774.7	800.9
160°	579.1	580.7	586.8	602.2	623.8	637.6	654.6	686.9	717.7	747.0	771.6
162.5°	585.3	585.3	589.9	599.1	614.5	623.8	636.1	663.8	691.6	717.7	740.8
165°	588.4	588.4	591.4	597.6	606.8	613.0	620.7	639.2	660.7	683.9	705.4
167.5°	591.4	591.4	593.0	596.1	602.2	605.3	608.4	620.7	634.6	651.5	668.5
170°	594.5	593.0	593.0	596.1	597.6	599.1	600.7	606.8	613.0	623.8	633.0
172.5°	594.5	593.0	593.0	594.5	594.5	594.5	594.5	596.1	597.6	603.8	606.8
175°	594.5	593.0	593.0	593.0	593.0	591.4	591.4	591.4	591.4	591.4	593.0
177.5°	594.5	593.0	591.4	591.4	589.9	589.9	588.4	588.4	586.8	586.8	586.8
180°	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7



TEST NUMBER: P395485

CATALOG NUMBER: I3-CL-80L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3	434.3
2.5°	435.9	435.9	434.3	434.3	432.8	432.8	431.3	429.7	428.2	428.2
5°	437.4	435.9	434.3	434.3	434.3	432.8	432.8	432.8	431.3	431.3
7.5°	437.4	437.4	437.4	435.9	435.9	435.9	435.9	435.9	434.3	434.3
10°	439.0	439.0	439.0	439.0	439.0	439.0	439.0	437.4	437.4	437.4
12.5°	439.0	439.0	439.0	440.5	440.5	440.5	440.5	440.5	440.5	440.5
15°	440.5	440.5	442.0	442.0	443.6	443.6	445.1	445.1	445.1	443.6
17.5°	439.0	440.5	442.0	443.6	445.1	445.1	446.7	446.7	446.7	446.7
20°	439.0	442.0	443.6	445.1	446.7	446.7	448.2	449.7	449.7	448.2
22.5°	437.4	440.5	442.0	445.1	446.7	446.7	449.7	449.7	449.7	449.7
25°	435.9	439.0	442.0	445.1	446.7	446.7	449.7	449.7	451.3	451.3
27.5°	432.8	435.9	440.5	443.6	445.1	446.7	448.2	449.7	449.7	449.7
30°	428.2	432.8	437.4	440.5	442.0	443.6	445.1	446.7	448.2	448.2
32.5°	422.0	426.6	431.3	435.9	437.4	439.0	442.0	443.6	443.6	443.6
35°	415.9	420.5	425.1	429.7	431.3	432.8	435.9	437.4	439.0	439.0
37.5°	406.6	411.2	415.9	420.5	422.0	425.1	428.2	429.7	429.7	429.7
40°	392.8	400.5	406.6	411.2	412.8	415.9	417.4	420.5	420.5	420.5
42.5°	380.4	386.6	391.2	397.4	398.9	403.5	406.6	408.2	409.7	409.7
45°	366.6	372.7	377.4	382.0	383.5	386.6	389.7	391.2	392.8	394.3
47.5°	352.7	357.3	361.9	366.6	368.1	371.2	374.3	375.8	377.4	377.4
50°	335.8	340.4	345.0	349.6	351.2	354.2	355.8	357.3	358.9	358.9
52.5°	317.3	321.9	326.5	331.1	332.7	334.2	337.3	338.8	340.4	340.4
55°	298.8	303.4	306.5	311.1	312.7	314.2	315.7	318.8	320.4	318.8
57.5°	277.2	281.9	284.9	289.6	291.1	292.6	294.2	295.7	297.3	297.3
60°	254.1	258.8	263.4	266.5	268.0	269.5	271.1	272.6	274.2	274.2
62.5°	231.0	235.7	238.7	243.4	244.9	244.9	246.4	248.0	249.5	249.5
65°	207.9	212.5	214.1	218.7	218.7	220.2	221.8	223.3	223.3	223.3
67.5°	183.3	187.9	189.4	192.5	192.5	194.1	195.6	197.1	197.1	197.1
70°	160.2	161.7	164.8	166.3	167.9	167.9	169.4	171.0	172.5	171.0
72.5°	135.5	137.1	140.2	141.7	141.7	143.2	143.2	144.8	146.3	146.3
75°	110.9	114.0	115.5	117.1	118.6	118.6	120.1	121.7	121.7	121.7
77.5°	87.8	90.9	92.4	94.0	95.5	95.5	97.0	97.0	98.6	97.0
80°	67.8	69.3	70.8	72.4	73.9	73.9	75.5	77.0	77.0	77.0
82.5°	49.3	50.8	53.9	55.4	55.4	55.4	58.5	58.5	60.1	58.5
85°	33.9	35.4	38.5	40.0	41.6	41.6	41.6	43.1	44.7	43.1
87.5°	21.6	24.6	26.2	27.7	27.7	27.7	29.3	30.8	30.8	30.8
90°	12.3	12.3	13.9	15.4	15.4	16.9	16.9	18.5	18.5	18.5
92.5°	12.3	13.9	13.9	13.9	15.4	15.4	15.4	16.9	16.9	16.9
95°	104.7	75.5	43.1	33.9	29.3	29.3	27.7	29.3	27.7	27.7
97.5°	317.3	343.5	355.8	372.7	382.0	380.4	374.3	380.4	375.8	380.4
100°	451.3	475.9	494.4	499.0	508.3	512.9	529.8	542.2	548.3	556.0
102.5°	560.6	589.9	611.5	623.8	633.0	639.2	659.2	677.7	686.9	693.1
105°	660.7	691.6	717.7	730.1	740.8	747.0	768.6	790.1	804.0	811.7
107.5°	740.8	776.3	804.0	822.5	833.3	844.0	870.2	891.8	908.7	916.4
110°	813.2	848.7	877.9	899.5	911.8	922.6	951.8	976.5	995.0	1004.2



TEST NUMBER: P395485

CATALOG NUMBER: I3-CL-80L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	873.3	911.8	941.1	964.2	976.5	991.9	1019.6	1047.3	1065.8	1076.6
115°	922.6	962.6	993.4	1018.1	1031.9	1045.8	1078.1	1105.9	1124.4	1132.1
117.5°	964.2	1004.2	1036.6	1061.2	1076.6	1092.0	1124.4	1149.0	1169.0	1175.2
120°	998.1	1038.1	1070.4	1098.2	1113.6	1127.4	1158.2	1184.4	1202.9	1207.5
122.5°	1021.2	1062.7	1096.6	1127.4	1141.3	1155.2	1184.4	1210.6	1227.5	1232.2
125°	1038.1	1081.2	1115.1	1147.5	1161.3	1175.2	1202.9	1229.1	1242.9	1249.1
127.5°	1048.9	1092.0	1129.0	1159.8	1175.2	1187.5	1215.2	1238.3	1252.2	1256.8
130°	1052.0	1096.6	1133.6	1165.9	1179.8	1192.1	1218.3	1241.4	1253.7	1256.8
132.5°	1052.0	1095.1	1133.6	1164.4	1178.3	1190.6	1215.2	1236.8	1249.1	1252.2
135°	1045.8	1087.4	1125.9	1156.7	1170.6	1182.9	1207.5	1226.0	1238.3	1239.9
137.5°	1035.0	1075.1	1112.0	1142.8	1156.7	1169.0	1190.6	1210.6	1221.4	1224.5
140°	1021.2	1058.1	1095.1	1124.4	1138.2	1149.0	1170.6	1187.5	1198.3	1201.4
142.5°	1002.7	1039.6	1073.5	1102.8	1113.6	1125.9	1144.4	1161.3	1170.6	1173.6
145°	982.7	1018.1	1048.9	1075.1	1087.4	1098.2	1115.1	1130.5	1139.8	1142.8
147.5°	956.5	991.9	1021.2	1045.8	1056.6	1067.4	1082.8	1096.6	1105.9	1109.0
150°	924.1	956.5	987.3	1010.4	1021.2	1031.9	1047.3	1059.7	1068.9	1070.4
152.5°	891.8	922.6	948.8	971.9	982.7	993.4	1007.3	1019.6	1030.4	1030.4
155°	861.0	887.2	911.8	931.8	941.1	950.3	964.2	975.0	984.2	984.2
157.5°	828.6	853.3	873.3	891.8	899.5	907.2	919.5	928.7	936.4	934.9
160°	797.8	816.3	834.8	850.2	857.9	864.1	873.3	881.0	888.7	887.2
162.5°	763.9	780.9	796.3	807.1	813.2	817.9	827.1	834.8	839.4	839.4
165°	725.4	740.8	754.7	765.5	771.6	774.7	782.4	787.0	791.7	791.7
167.5°	685.4	697.7	710.0	719.3	725.4	728.5	736.2	739.3	745.5	743.9
170°	645.3	654.6	663.8	671.5	674.6	677.7	683.9	686.9	690.0	690.0
172.5°	613.0	616.1	620.7	626.9	626.9	628.4	631.5	633.0	634.6	634.6
175°	594.5	596.1	596.1	596.1	596.1	596.1	597.6	596.1	597.6	596.1
177.5°	586.8	586.8	585.3	585.3	583.7	585.3	583.7	582.2	582.2	580.7
180°	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7	583.7

(END OF REPORT)