

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: P395797

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

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-80L93050-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, OPEN TOP
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: 6249.8 lumens
Efficiency: N/A
Efficacy: 98.1 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

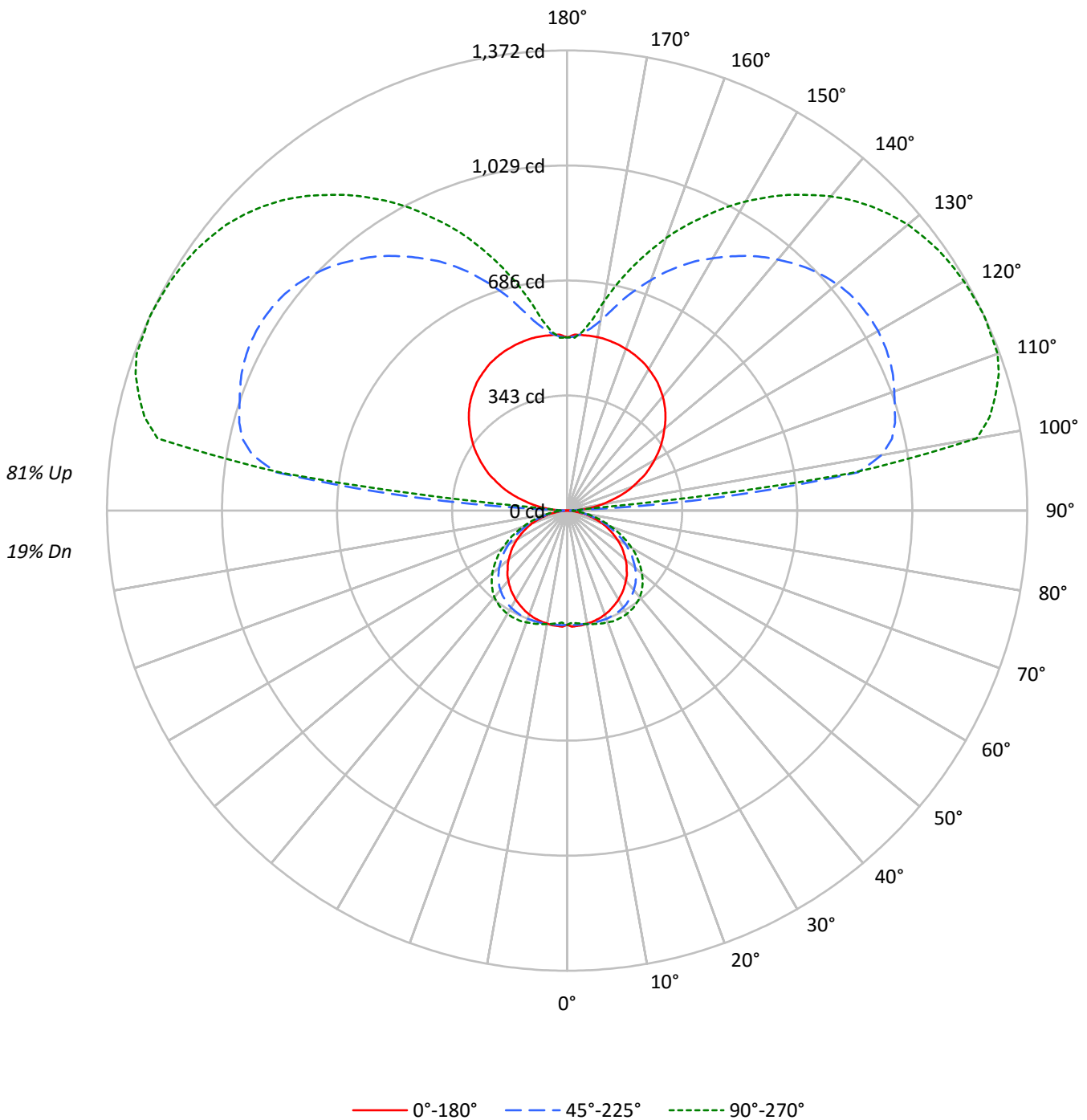
Input Watts (W): 63.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1871	1871	1871
5°	1896	1844	1808
10°	1894	1831	1811
15°	1898	1825	1826
20°	1898	1832	1848
25°	1896	1837	1875
30°	1899	1839	1894
35°	1897	1830	1902
40°	1889	1816	1891
45°	1872	1778	1850
50°	1856	1720	1781
55°	1823	1637	1680
60°	1766	1519	1546
65°	1689	1353	1379
70°	1596	1173	1163
75°	1384	920	933
80°	1099	661	675
85°	653	384	444



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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	0.5
10°-20°	97.1	1.6
20°-30°	156.2	2.5
30°-40°	201.1	3.2
40°-50°	220.8	3.5
50°-60°	207.6	3.3
60°-70°	161.3	2.6
70°-80°	92.5	1.5
80°-90°	29.6	0.5
90°-100°	399.5	6.4
100°-110°	949.4	15.2
110°-120°	953.7	15.3
120°-130°	874.6	14.0
130°-140°	731.3	11.7
140°-150°	548.9	8.8
150°-160°	357.3	5.7
160°-170°	184.0	2.9
170°-180°	52.1	0.8
0°-30°	285.9	4.6
0°-40°	487.0	7.8
0°-60°	915.4	14.6
0°-90°	1198.8	19.2
90°-120°	2302.6	36.8
90°-150°	4457.5	71.3
90°-180°	5051.0	80.8
0°-180°	6249.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	340	340	340	340	340	
5°	345	342	342	340	337	33
15°	337	336	344	348	350	95
25°	319	322	340	353	357	147
35°	291	299	324	344	350	182
45°	251	263	290	311	317	194
55°	202	213	236	253	259	180
65°	142	149	163	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	459	62	52	54
105°	156	599	1012	1248	1322	165
115°	257	675	1061	1291	1372	253
125°	342	704	1067	1278	1352	305
135°	414	701	1020	1212	1283	319
145°	468	672	927	1089	1149	293
155°	502	616	806	923	967	232
165°	521	556	653	724	752	147
175°	525	524	530	536	536	50
180°	516	516	516	516	516	



TEST NUMBER: P395797

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.4
2.5°	346.6	345.0	343.5	343.5	341.9	341.9	341.9	340.4	340.4	340.4	341.9
5°	345.0	345.0	343.5	341.9	341.9	341.9	340.4	340.4	340.4	340.4	341.9
7.5°	345.0	343.5	341.9	341.9	340.4	340.4	340.4	340.4	340.4	340.4	341.9
10°	341.9	341.9	340.4	340.4	338.9	340.4	340.4	340.4	340.4	340.4	343.5
12.5°	340.4	340.4	338.9	337.3	337.3	337.3	338.9	338.9	338.9	340.4	343.5
15°	337.3	337.3	335.8	335.8	335.8	335.8	337.3	337.3	338.9	340.4	343.5
17.5°	334.2	334.2	332.7	332.7	332.7	334.2	334.2	335.8	337.3	340.4	343.5
20°	329.6	329.6	329.6	329.6	329.6	331.2	331.2	332.7	335.8	338.9	343.5
22.5°	325.0	325.0	325.0	325.0	325.0	326.5	328.1	331.2	332.7	337.3	341.9
25°	318.8	318.8	318.8	318.8	320.4	321.9	323.5	326.5	329.6	334.2	340.4
27.5°	312.7	314.2	314.2	314.2	315.8	317.3	318.8	321.9	326.5	332.7	337.3
30°	306.5	306.5	306.5	308.1	309.6	311.1	314.2	317.3	321.9	328.1	334.2
32.5°	298.8	298.8	300.4	300.4	303.4	305.0	308.1	312.7	317.3	323.5	329.6
35°	291.1	291.1	291.1	294.2	295.7	298.8	300.4	305.0	311.1	317.3	323.5
37.5°	281.9	283.4	283.4	284.9	288.0	291.1	292.6	298.8	305.0	311.1	317.3
40°	272.6	274.2	274.2	275.7	280.3	281.9	284.9	291.1	295.7	303.4	309.6
42.5°	263.4	263.4	264.9	266.5	271.1	272.6	275.7	281.9	288.0	294.2	300.4
45°	251.1	252.6	254.1	255.7	260.3	263.4	266.5	271.1	277.2	283.4	289.6
47.5°	240.3	240.3	241.8	244.9	249.5	252.6	254.1	260.3	264.9	271.1	277.2
50°	228.0	229.5	229.5	232.6	237.2	240.3	241.8	248.0	252.6	258.8	264.9
52.5°	214.1	215.6	217.2	220.3	224.9	228.0	229.5	234.1	238.7	244.9	249.5
55°	201.8	203.3	203.3	206.4	211.0	212.6	215.6	218.7	224.9	229.5	235.7
57.5°	187.9	189.5	189.5	192.5	195.6	198.7	200.2	204.9	209.5	214.1	218.7
60°	172.5	174.0	175.6	177.1	180.2	183.3	184.8	187.9	192.5	197.2	201.8
62.5°	157.1	158.6	160.2	161.7	164.8	166.3	167.9	172.5	175.6	180.2	183.3
65°	141.7	143.2	144.8	146.3	147.9	149.4	150.9	154.0	157.1	161.7	163.3
67.5°	126.3	127.8	127.8	129.4	130.9	132.5	134.0	137.1	138.6	143.2	144.8
70°	110.9	110.9	110.9	112.4	112.4	114.0	115.5	118.6	120.1	123.2	126.3
72.5°	92.4	94.0	94.0	94.0	95.5	97.0	98.6	100.1	101.7	103.2	106.3
75°	75.5	77.0	75.5	77.0	78.6	78.6	80.1	81.6	83.2	84.7	86.3
77.5°	60.1	58.5	60.1	60.1	61.6	61.6	61.6	63.2	66.2	66.2	69.3
80°	43.1	43.1	43.1	43.1	44.7	44.7	46.2	46.2	49.3	50.8	52.4
82.5°	27.7	27.7	29.3	29.3	29.3	30.8	30.8	32.3	33.9	35.4	37.0
85°	15.4	15.4	15.4	16.9	16.9	18.5	18.5	20.0	21.6	23.1	24.6
87.5°	4.6	6.2	7.7	7.7	9.2	9.2	10.8	10.8	13.9	15.4	16.9
90°	1.5	1.5	3.1	3.1	3.1	4.6	4.6	6.2	6.2	7.7	9.2
92.5°	26.2	61.6	127.8	191.0	164.8	154.0	92.4	27.7	24.6	26.2	26.2
95°	53.9	101.7	186.4	301.9	391.2	446.7	483.6	554.5	626.9	614.6	459.0
97.5°	78.6	130.9	224.9	331.2	454.4	517.5	565.3	650.0	742.4	819.4	874.9
100°	103.2	157.1	257.2	368.1	482.1	539.1	594.5	710.1	800.9	877.9	951.9
102.5°	129.4	183.3	286.5	402.0	514.4	569.9	623.8	725.5	827.1	919.5	991.9
105°	155.6	211.0	312.7	431.3	543.7	599.2	651.5	748.6	842.5	928.8	1012.0
107.5°	183.3	235.7	335.8	454.4	566.8	622.3	674.6	771.7	862.5	948.8	1024.3
110°	207.9	258.8	358.9	475.9	588.4	643.8	696.2	793.2	882.6	964.2	1038.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	231.0	280.3	380.4	494.4	605.3	660.8	711.6	808.6	898.0	978.1	1052.0
115°	257.2	300.4	402.0	511.4	620.7	674.6	725.5	821.0	910.3	988.8	1061.2
117.5°	278.8	320.4	420.5	525.2	633.0	685.4	734.7	830.2	918.0	996.5	1067.4
120°	300.4	338.9	437.4	537.6	642.3	693.1	742.4	836.4	924.2	1001.2	1070.5
122.5°	321.9	357.3	451.3	549.9	650.0	700.8	748.6	841.0	927.2	1002.7	1070.5
125°	341.9	372.7	463.6	559.1	654.6	703.9	750.1	841.0	925.7	999.6	1067.4
127.5°	360.4	389.7	472.9	568.4	657.7	705.4	750.1	837.9	922.6	995.0	1061.2
130°	378.9	405.1	482.1	573.0	660.8	703.9	747.0	831.7	914.9	987.3	1050.5
132.5°	397.4	422.0	489.8	577.6	662.3	703.9	743.9	825.6	905.7	976.5	1036.6
135°	414.3	434.4	497.5	580.7	660.8	700.8	737.8	814.8	891.8	961.1	1019.7
137.5°	429.7	446.7	503.7	582.2	659.2	696.2	733.2	802.5	874.9	942.6	999.6
140°	443.6	459.0	506.7	582.2	653.1	690.0	723.9	790.2	856.4	921.1	976.5
142.5°	455.9	469.8	511.4	579.1	646.9	682.3	714.7	777.8	837.9	899.5	953.4
145°	468.2	479.0	514.4	577.6	639.2	671.6	702.4	762.4	821.0	876.4	927.2
147.5°	477.5	488.3	517.5	571.4	630.0	659.2	688.5	745.5	799.4	851.8	898.0
150°	486.7	496.0	519.1	565.3	619.2	645.4	671.6	725.5	777.8	825.6	868.7
152.5°	496.0	502.1	523.7	559.1	606.9	631.5	657.7	705.4	753.2	797.9	839.4
155°	502.1	506.7	525.2	553.0	594.5	616.1	637.7	682.3	725.5	767.1	805.6
157.5°	508.3	512.9	526.8	548.3	580.7	600.7	619.2	657.7	697.7	734.7	770.1
160°	512.9	516.0	526.8	545.3	568.4	582.2	599.2	634.6	668.5	700.8	731.6
162.5°	517.5	519.1	526.8	540.6	557.6	566.8	579.1	606.9	637.7	665.4	693.1
165°	520.6	522.1	526.8	537.6	548.3	556.0	562.2	582.2	605.3	630.0	653.1
167.5°	523.7	523.7	526.8	534.5	540.6	545.3	549.9	560.7	576.1	594.5	611.5
170°	525.2	525.2	526.8	531.4	536.0	537.6	540.6	546.8	554.5	563.7	574.5
172.5°	525.2	525.2	525.2	528.3	529.9	529.9	529.9	532.9	537.6	543.7	548.3
175°	525.2	523.7	523.7	525.2	523.7	523.7	523.7	523.7	525.2	528.3	529.9
177.5°	525.2	523.7	522.1	522.1	520.6	520.6	519.1	519.1	519.1	519.1	519.1
180°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0



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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.4	340.4
2.5°	341.9	341.9	340.4	338.9	338.9	338.9	337.3	335.8	334.2	334.2
5°	341.9	341.9	340.4	340.4	340.4	340.4	338.9	338.9	337.3	337.3
7.5°	343.5	341.9	341.9	341.9	341.9	341.9	341.9	341.9	340.4	340.4
10°	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5	343.5
12.5°	345.0	345.0	345.0	345.0	346.6	346.6	346.6	346.6	346.6	346.6
15°	345.0	346.6	348.1	348.1	348.1	349.6	349.6	349.6	349.6	349.6
17.5°	346.6	348.1	349.6	349.6	351.2	351.2	352.7	352.7	352.7	352.7
20°	346.6	348.1	349.6	351.2	352.7	352.7	354.3	355.8	355.8	354.3
22.5°	345.0	348.1	349.6	351.2	352.7	354.3	355.8	357.3	357.3	357.3
25°	343.5	346.6	349.6	352.7	352.7	354.3	357.3	357.3	357.3	357.3
27.5°	341.9	345.0	348.1	351.2	352.7	354.3	355.8	357.3	357.3	357.3
30°	338.9	343.5	346.6	349.6	351.2	352.7	354.3	355.8	355.8	355.8
32.5°	334.2	338.9	341.9	346.6	348.1	349.6	351.2	352.7	352.7	352.7
35°	329.6	334.2	337.3	341.9	343.5	345.0	348.1	348.1	349.6	349.6
37.5°	321.9	328.1	331.2	335.8	337.3	338.9	341.9	343.5	343.5	343.5
40°	314.2	320.4	323.5	328.1	329.6	331.2	334.2	335.8	337.3	337.3
42.5°	305.0	311.1	314.2	318.8	320.4	321.9	325.0	326.5	328.1	328.1
45°	295.7	300.4	303.4	308.1	311.1	311.1	314.2	315.8	317.3	317.3
47.5°	283.4	288.0	291.1	295.7	298.8	300.4	301.9	303.4	305.0	305.0
50°	269.5	274.2	278.8	281.9	284.9	284.9	288.0	289.6	291.1	291.1
52.5°	255.7	258.8	263.4	268.0	269.5	271.1	272.6	274.2	275.7	275.7
55°	240.3	243.4	248.0	251.1	252.6	254.1	255.7	257.2	258.8	258.8
57.5°	223.3	226.4	231.0	234.1	235.7	237.2	238.7	240.3	241.8	241.8
60°	204.9	207.9	212.6	215.6	217.2	217.2	220.3	221.8	221.8	221.8
62.5°	186.4	189.5	192.5	195.6	197.2	198.7	200.2	201.8	201.8	201.8
65°	167.9	171.0	174.0	175.6	177.1	177.1	178.7	180.2	181.8	181.8
67.5°	147.9	150.9	154.0	155.6	157.1	157.1	158.6	160.2	160.2	160.2
70°	127.8	129.4	132.5	134.0	135.5	135.5	138.6	138.6	138.6	138.6
72.5°	107.8	109.4	112.4	114.0	115.5	115.5	117.1	118.6	118.6	118.6
75°	89.3	90.9	92.4	95.5	95.5	95.5	97.0	98.6	98.6	98.6
77.5°	70.9	72.4	73.9	75.5	77.0	77.0	78.6	80.1	80.1	80.1
80°	53.9	55.4	57.0	58.5	58.5	60.1	60.1	61.6	61.6	61.6
82.5°	38.5	40.0	41.6	43.1	44.7	44.7	46.2	47.7	47.7	46.2
85°	26.2	29.3	30.8	32.3	32.3	32.3	33.9	35.4	35.4	33.9
87.5°	18.5	18.5	20.0	21.6	21.6	23.1	23.1	24.6	24.6	24.6
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	27.7	27.7	27.7	27.7	29.3	29.3	29.3	29.3
95°	280.3	126.3	106.3	64.7	61.6	53.9	52.4	53.9	53.9	52.4
97.5°	941.1	1007.3	1048.9	1068.9	1044.3	1018.1	988.8	984.2	944.2	854.8
100°	1015.0	1067.4	1118.2	1153.7	1167.5	1179.8	1207.6	1224.5	1232.2	1239.9
102.5°	1052.0	1107.4	1152.1	1196.8	1215.3	1232.2	1256.9	1276.9	1284.6	1290.7
105°	1084.3	1141.3	1190.6	1230.7	1247.6	1263.0	1287.7	1306.1	1320.0	1321.5
107.5°	1092.0	1152.1	1207.6	1256.9	1276.9	1293.8	1323.1	1336.9	1349.3	1349.3
110°	1105.9	1162.9	1213.7	1258.4	1278.4	1298.4	1329.2	1350.8	1363.1	1366.2



TEST NUMBER: P395797

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1116.7	1175.2	1223.0	1267.6	1284.6	1303.1	1332.3	1352.4	1363.1	1367.8
115°	1125.9	1182.9	1230.7	1272.3	1290.7	1309.2	1338.5	1355.4	1367.8	1372.4
117.5°	1132.1	1187.5	1235.3	1273.8	1293.8	1309.2	1336.9	1355.4	1367.8	1369.3
120°	1133.6	1189.1	1235.3	1273.8	1290.7	1307.7	1335.4	1353.9	1366.2	1366.2
122.5°	1133.6	1187.5	1233.8	1270.7	1286.1	1301.5	1327.7	1349.3	1360.1	1360.1
125°	1127.5	1181.4	1226.0	1263.0	1278.4	1292.3	1320.0	1340.0	1350.8	1352.4
127.5°	1118.2	1170.6	1215.3	1252.2	1267.6	1280.0	1309.2	1327.7	1338.5	1340.0
130°	1105.9	1158.3	1201.4	1236.8	1252.2	1266.1	1290.7	1310.8	1323.1	1326.2
132.5°	1092.0	1141.3	1184.5	1218.3	1233.8	1246.1	1270.7	1290.7	1301.5	1306.1
135°	1075.1	1121.3	1162.9	1196.8	1212.2	1224.5	1247.6	1267.6	1278.4	1283.0
137.5°	1053.5	1098.2	1138.3	1172.1	1186.0	1198.3	1221.4	1239.9	1249.2	1255.3
140°	1028.9	1070.5	1112.1	1142.9	1156.7	1169.1	1189.1	1209.1	1218.3	1223.0
142.5°	1002.7	1044.3	1081.3	1112.1	1124.4	1136.7	1156.7	1175.2	1184.5	1186.0
145°	975.0	1015.0	1048.9	1078.2	1089.0	1101.3	1119.8	1138.3	1147.5	1149.0
147.5°	944.2	981.1	1013.5	1041.2	1053.5	1062.8	1079.7	1096.7	1105.9	1107.4
150°	908.8	942.6	971.9	999.6	1010.4	1019.7	1038.1	1053.5	1062.8	1064.3
152.5°	874.9	907.2	931.9	956.5	967.3	976.5	991.9	1007.3	1016.6	1018.1
155°	839.4	868.7	893.4	913.4	922.6	931.9	944.2	958.0	965.7	967.3
157.5°	802.5	830.2	851.8	870.2	879.5	887.2	898.0	910.3	914.9	918.0
160°	762.4	785.5	804.0	822.5	830.2	837.9	848.7	857.9	864.1	865.6
162.5°	719.3	739.3	754.7	771.7	776.3	782.5	793.2	802.5	807.1	808.6
165°	674.6	693.1	707.0	720.8	723.9	728.5	736.2	745.5	748.6	751.6
167.5°	630.0	645.4	654.6	666.9	671.6	674.6	682.3	688.5	691.6	693.1
170°	586.8	597.6	605.3	614.6	616.1	620.7	625.3	631.5	633.0	633.0
172.5°	553.0	557.6	562.2	565.3	566.8	568.4	571.4	573.0	573.0	573.0
175°	531.4	534.5	534.5	536.0	536.0	536.0	536.0	536.0	536.0	536.0
177.5°	519.1	519.1	519.1	517.5	517.5	517.5	517.5	516.0	516.0	516.0
180°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0

(END OF REPORT)