

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: P395637

Luminaire Tested: **I3-FL-80L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395637  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-FL-80L92765-1D-UNV-W2A-W-4 (4500K)  
Description: CORELITE I3, FROSTED TOP COVER  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6577.1 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

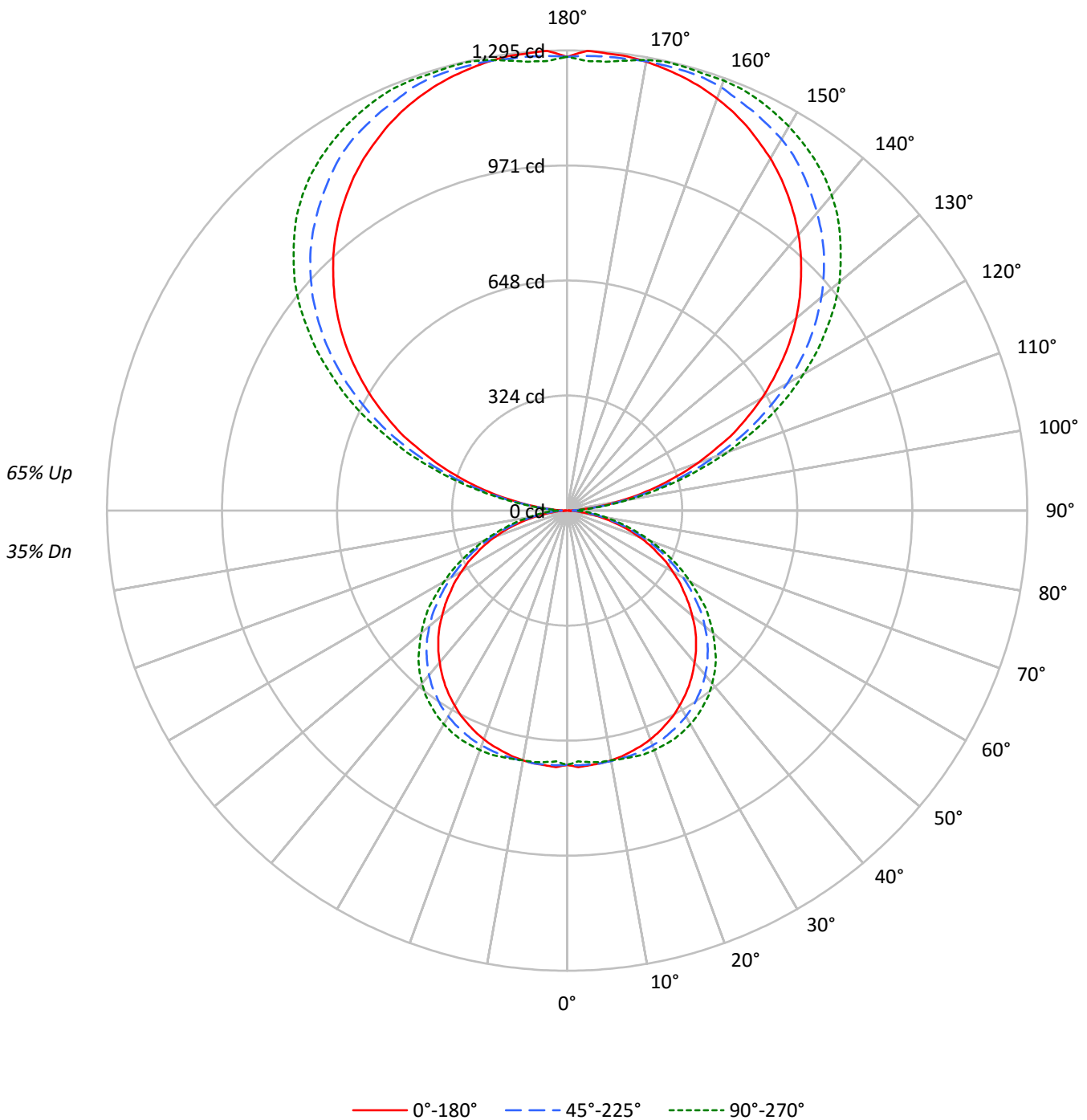
Input Watts (W): 63.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	94	90	86	83	85	81	78	75	66	63	61	51	49	48	37	36	36	29
2	86	78	72	67	77	71	66	61	57	53	50	44	42	40	33	31	30	24
3	78	69	61	55	70	62	56	51	50	46	42	39	36	33	29	27	25	20
4	71	60	53	47	64	55	48	43	44	39	35	35	31	28	25	23	21	17
5	65	54	46	40	59	49	42	36	39	34	30	31	27	24	23	20	18	15
6	60	48	40	34	54	44	37	31	35	30	26	28	24	21	21	18	16	13
7	55	43	35	30	50	39	32	27	32	27	23	25	21	18	19	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	23	19	16	17	14	13	10
9	47	35	28	23	43	32	26	21	26	21	18	21	17	15	16	13	11	9
10	44	32	25	20	40	30	23	19	24	19	16	19	16	13	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3933	3933	3933
5°	3953	3868	3808
10°	3954	3815	3763
15°	3946	3782	3748
20°	3946	3750	3742
25°	3936	3716	3728
30°	3922	3681	3694
35°	3903	3622	3639
40°	3864	3546	3560
45°	3825	3436	3451
50°	3737	3285	3282
55°	3630	3077	3086
60°	3508	2835	2788
65°	3335	2541	2475
70°	3096	2166	2091
75°	2696	1721	1664
80°	2104	1223	1218
85°	1141	700	800



TEST NUMBER: P395637

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (4500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.2	1.0
10°-20°	200.7	3.1
20°-30°	316.5	4.8
30°-40°	397.7	6.0
40°-50°	427.7	6.5
50°-60°	393.4	6.0
60°-70°	301.4	4.6
70°-80°	171.6	2.6
80°-90°	53.6	0.8
90°-100°	71.7	1.1
100°-110°	311.7	4.7
110°-120°	570.6	8.7
120°-130°	735.6	11.2
130°-140°	782.7	11.9
140°-150°	720.1	10.9
150°-160°	570.5	8.7
160°-170°	361.2	5.5
170°-180°	122.3	1.9
0°-30°	585.4	8.9
0°-40°	983.1	14.9
0°-60°	1804.2	27.4
0°-90°	2330.8	35.4
90°-120°	954.0	14.5
90°-150°	3192.3	48.5
90°-180°	4246.0	64.6
0°-180°	6577.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	716	716	716	716	716	
5°	719	712	717	714	710	69
15°	701	698	712	717	717	198
25°	662	664	689	705	710	305
35°	599	606	640	662	669	375
45°	513	526	560	583	592	395
55°	402	418	443	466	475	360
65°	280	289	307	321	326	278
75°	147	151	161	170	176	156
85°	27	34	45	57	61	34
90°	2	5	16	23	27	4
95°	48	47	52	59	61	60
105°	264	276	298	316	321	281
115°	518	542	585	615	631	508
125°	741	773	832	874	891	662
135°	931	961	1022	1065	1087	718
145°	1083	1107	1157	1191	1211	678
155°	1194	1209	1239	1264	1275	551
165°	1263	1263	1281	1290	1291	357
175°	1291	1282	1282	1277	1268	123
180°	1277	1277	1277	1277	1277	



TEST NUMBER: P395637

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6
2.5°	722.8	721.0	719.2	715.6	715.6	713.8	713.8	713.8	713.8	715.6	717.4
5°	719.2	719.2	717.4	713.8	713.8	712.0	712.0	713.8	712.0	713.8	717.4
7.5°	717.4	717.4	715.6	712.0	712.0	712.0	712.0	712.0	712.0	713.8	717.4
10°	713.8	713.8	710.3	708.5	708.5	708.5	708.5	710.3	710.3	712.0	715.6
12.5°	708.5	706.7	704.9	703.1	703.1	703.1	704.9	706.7	706.7	710.3	713.8
15°	701.3	701.3	699.5	697.7	697.7	697.7	699.5	701.3	703.1	706.7	712.0
17.5°	694.1	694.1	692.3	692.3	692.3	692.3	694.1	695.9	699.5	703.1	708.5
20°	685.1	685.1	683.3	683.3	683.3	685.1	685.1	688.7	692.3	697.7	703.1
22.5°	674.4	674.4	674.4	672.6	674.4	676.2	678.0	681.6	685.1	690.5	697.7
25°	661.8	661.8	661.8	661.8	663.6	663.6	667.2	670.8	674.4	681.6	688.7
27.5°	649.3	649.3	649.3	647.5	651.1	652.9	654.6	660.0	663.6	672.6	679.8
30°	633.1	633.1	633.1	634.9	636.7	638.5	642.1	647.5	651.1	660.0	669.0
32.5°	617.0	617.0	617.0	617.0	622.4	624.2	626.0	631.3	638.5	647.5	656.4
35°	599.0	599.0	599.0	600.8	604.4	606.2	609.8	615.2	622.4	631.3	640.3
37.5°	579.3	581.1	581.1	582.9	586.5	590.1	593.7	599.0	606.2	615.2	624.2
40°	557.8	559.6	559.6	561.4	565.0	568.6	572.1	579.3	586.5	595.5	604.4
42.5°	536.3	538.1	538.1	541.7	545.2	548.8	552.4	559.6	566.8	575.7	582.9
45°	513.0	514.8	514.8	518.3	523.7	525.5	530.9	538.1	545.2	552.4	559.6
47.5°	487.8	489.6	489.6	493.2	498.6	502.2	505.8	513.0	518.3	527.3	534.5
50°	459.2	460.9	462.7	466.3	473.5	477.1	480.7	486.1	493.2	498.6	505.8
52.5°	432.2	432.2	434.0	437.6	443.0	446.6	448.4	453.8	462.7	469.9	477.1
55°	401.8	403.6	405.3	408.9	414.3	417.9	419.7	425.1	430.5	435.8	443.0
57.5°	374.9	374.9	376.6	380.2	385.6	387.4	389.2	392.8	400.0	405.3	410.7
60°	342.6	344.4	346.2	349.7	353.3	356.9	356.9	362.3	367.7	373.1	376.6
62.5°	313.9	313.9	315.7	319.3	321.0	324.6	324.6	330.0	333.6	339.0	342.6
65°	279.8	281.6	283.4	285.2	288.8	288.8	290.6	294.1	297.7	301.3	306.7
67.5°	249.3	249.3	251.1	252.9	254.7	254.7	256.5	260.1	263.7	267.2	270.8
70°	215.2	217.0	217.0	217.0	218.8	220.6	222.4	224.2	227.8	229.6	233.2
72.5°	181.1	181.1	182.9	182.9	184.7	186.5	188.3	190.1	191.9	195.5	197.3
75°	147.1	147.1	148.9	148.9	150.7	150.7	150.7	154.2	156.0	159.6	161.4
77.5°	113.0	114.8	114.8	114.8	116.6	118.4	118.4	120.2	123.8	125.5	127.3
80°	82.5	82.5	82.5	82.5	84.3	86.1	87.9	87.9	91.5	95.1	96.9
82.5°	52.0	52.0	53.8	55.6	55.6	57.4	59.2	61.0	64.6	66.4	68.2
85°	26.9	26.9	28.7	30.5	32.3	34.1	34.1	35.9	39.5	43.0	44.8
87.5°	9.0	10.8	10.8	12.6	14.3	16.1	17.9	19.7	23.3	26.9	28.7
90°	1.8	1.8	1.8	3.6	5.4	5.4	7.2	9.0	10.8	12.6	16.1
92.5°	16.1	16.1	14.3	16.1	16.1	16.1	16.1	17.9	19.7	19.7	23.3
95°	48.4	46.6	46.6	46.6	46.6	46.6	46.6	48.4	50.2	50.2	52.0
97.5°	93.3	93.3	91.5	91.5	93.3	93.3	93.3	95.1	98.6	96.9	100.4
100°	145.3	145.3	143.5	145.3	147.1	148.9	152.5	152.5	156.0	156.0	161.4
102.5°	204.5	204.5	202.7	206.3	208.1	211.6	211.6	215.2	220.6	220.6	227.8
105°	263.7	265.4	265.4	269.0	272.6	276.2	276.2	281.6	288.8	288.8	297.7
107.5°	328.2	330.0	330.0	333.6	337.2	340.8	342.6	349.7	356.9	358.7	369.5
110°	391.0	392.8	394.6	398.2	401.8	407.1	410.7	417.9	426.9	430.5	439.4



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CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	450.2	457.4	459.2	464.5	469.9	475.3	478.9	487.8	498.6	504.0	514.8
115°	518.3	521.9	523.7	529.1	536.3	541.7	545.2	554.2	565.0	572.1	584.7
117.5°	573.9	582.9	584.7	590.1	597.3	602.6	606.2	617.0	629.5	638.5	651.1
120°	633.1	640.3	647.5	651.1	656.4	663.6	667.2	678.0	692.3	701.3	715.6
122.5°	686.9	694.1	701.3	706.7	713.8	717.4	722.8	735.4	749.7	760.5	774.8
125°	740.7	749.7	755.1	760.5	769.4	773.0	778.4	791.0	805.3	817.9	832.2
127.5°	792.8	798.1	807.1	810.7	819.7	823.2	828.6	843.0	857.3	869.9	884.2
130°	841.2	848.4	855.5	857.3	868.1	873.5	878.8	891.4	907.5	920.1	934.4
132.5°	887.8	891.4	900.4	905.7	914.7	920.1	925.5	936.2	952.4	964.9	979.3
135°	930.9	934.4	945.2	950.6	956.0	961.3	968.5	979.3	995.4	1008.0	1022.3
137.5°	973.9	977.5	988.3	993.6	997.2	1002.6	1008.0	1018.7	1034.9	1047.4	1060.0
140°	1013.4	1016.9	1024.1	1031.3	1034.9	1038.5	1043.9	1054.6	1069.0	1081.5	1094.1
142.5°	1049.2	1052.8	1060.0	1067.2	1072.5	1072.5	1077.9	1086.9	1103.0	1115.6	1126.4
145°	1083.3	1085.1	1092.3	1099.5	1106.6	1106.6	1108.4	1117.4	1131.7	1146.1	1156.8
147.5°	1115.6	1117.4	1122.8	1129.9	1135.3	1137.1	1140.7	1144.3	1158.6	1173.0	1185.5
150°	1144.3	1146.1	1149.7	1156.8	1160.4	1164.0	1167.6	1169.4	1180.2	1192.7	1207.1
152.5°	1169.4	1171.2	1174.8	1180.2	1183.8	1187.3	1190.9	1196.3	1201.7	1214.2	1223.2
155°	1194.5	1196.3	1198.1	1203.5	1207.1	1208.9	1210.7	1217.8	1223.2	1230.4	1239.4
157.5°	1216.0	1216.0	1217.8	1221.4	1225.0	1225.0	1226.8	1234.0	1239.4	1246.5	1251.9
160°	1234.0	1234.0	1235.8	1239.4	1239.4	1241.1	1242.9	1248.3	1251.9	1260.9	1268.0
162.5°	1250.1	1248.3	1250.1	1251.9	1251.9	1251.9	1253.7	1257.3	1262.7	1269.8	1277.0
165°	1262.7	1262.7	1262.7	1264.5	1264.5	1262.7	1262.7	1266.3	1269.8	1275.2	1280.6
167.5°	1273.4	1273.4	1271.6	1273.4	1271.6	1271.6	1269.8	1271.6	1273.4	1278.8	1282.4
170°	1282.4	1280.6	1280.6	1280.6	1278.8	1277.0	1277.0	1277.0	1277.0	1280.6	1284.2
172.5°	1289.6	1287.8	1286.0	1286.0	1282.4	1280.6	1280.6	1278.8	1278.8	1280.6	1282.4
175°	1291.4	1289.6	1287.8	1287.8	1284.2	1282.4	1280.6	1280.6	1278.8	1280.6	1282.4
177.5°	1295.0	1293.2	1289.6	1289.6	1286.0	1282.4	1282.4	1280.6	1278.8	1280.6	1280.6
180°	1277.0	1277.0	1277.0	1277.0	1277.0	1277.0	1277.0	1277.0	1277.0	1277.0	1277.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6	715.6
2.5°	719.2	719.2	717.4	715.6	715.6	713.8	712.0	710.3	708.5	706.7
5°	719.2	717.4	715.6	715.6	713.8	713.8	713.8	712.0	710.3	710.3
7.5°	719.2	719.2	717.4	715.6	715.6	715.6	715.6	715.6	713.8	713.8
10°	719.2	717.4	717.4	717.4	715.6	717.4	717.4	715.6	715.6	713.8
12.5°	717.4	717.4	717.4	717.4	717.4	717.4	717.4	717.4	717.4	715.6
15°	713.8	715.6	715.6	717.4	717.4	717.4	719.2	719.2	717.4	717.4
17.5°	712.0	713.8	715.6	717.4	717.4	717.4	719.2	719.2	719.2	719.2
20°	708.5	710.3	712.0	713.8	713.8	715.6	715.6	717.4	717.4	717.4
22.5°	701.3	703.1	706.7	708.5	710.3	712.0	713.8	713.8	713.8	713.8
25°	694.1	697.7	699.5	703.1	704.9	706.7	708.5	708.5	708.5	710.3
27.5°	685.1	688.7	694.1	695.9	697.7	699.5	701.3	703.1	703.1	703.1
30°	674.4	679.8	683.3	686.9	688.7	690.5	692.3	692.3	694.1	694.1
32.5°	661.8	667.2	670.8	674.4	676.2	678.0	681.6	681.6	683.3	683.3
35°	645.7	651.1	656.4	660.0	661.8	663.6	667.2	669.0	669.0	669.0
37.5°	629.5	634.9	640.3	645.7	647.5	649.3	652.9	652.9	654.6	654.6
40°	609.8	615.2	620.6	626.0	626.0	629.5	631.3	633.1	634.9	634.9
42.5°	590.1	595.5	599.0	604.4	606.2	608.0	609.8	613.4	613.4	615.2
45°	566.8	572.1	575.7	581.1	582.9	584.7	588.3	590.1	591.9	591.9
47.5°	541.7	545.2	548.8	554.2	557.8	559.6	561.4	563.2	565.0	563.2
50°	513.0	516.5	521.9	527.3	529.1	530.9	534.5	534.5	536.3	536.3
52.5°	482.5	487.8	491.4	496.8	498.6	500.4	504.0	504.0	505.8	505.8
55°	448.4	452.0	455.6	464.5	466.3	468.1	471.7	471.7	473.5	475.3
57.5°	416.1	417.9	423.3	426.9	430.5	430.5	432.2	434.0	435.8	435.8
60°	382.0	383.8	387.4	392.8	392.8	394.6	398.2	398.2	400.0	400.0
62.5°	346.2	349.7	353.3	358.7	356.9	358.7	362.3	362.3	364.1	364.1
65°	310.3	312.1	315.7	319.3	321.0	321.0	322.8	324.6	326.4	326.4
67.5°	272.6	276.2	278.0	283.4	281.6	283.4	285.2	285.2	287.0	287.0
70°	236.8	238.5	242.1	243.9	243.9	245.7	247.5	247.5	247.5	249.3
72.5°	200.9	202.7	204.5	206.3	206.3	208.1	209.8	209.8	211.6	211.6
75°	163.2	166.8	168.6	172.2	170.4	172.2	175.8	175.8	175.8	175.8
77.5°	130.9	132.7	136.3	138.1	138.1	138.1	141.7	139.9	141.7	141.7
80°	98.6	100.4	104.0	105.8	105.8	107.6	109.4	109.4	109.4	111.2
82.5°	69.9	73.5	77.1	78.9	78.9	80.7	82.5	82.5	84.3	84.3
85°	48.4	52.0	55.6	55.6	57.4	59.2	61.0	61.0	61.0	61.0
87.5°	32.3	34.1	35.9	37.7	39.5	39.5	41.3	41.3	43.0	43.0
90°	17.9	19.7	21.5	23.3	23.3	25.1	25.1	26.9	26.9	26.9
92.5°	25.1	25.1	26.9	28.7	28.7	28.7	28.7	30.5	30.5	30.5
95°	53.8	55.6	55.6	59.2	59.2	59.2	61.0	61.0	61.0	61.0
97.5°	104.0	104.0	104.0	107.6	107.6	107.6	109.4	109.4	109.4	111.2
100°	163.2	165.0	165.0	170.4	168.6	172.2	172.2	172.2	172.2	174.0
102.5°	229.6	233.2	235.0	240.3	240.3	240.3	243.9	242.1	243.9	243.9
105°	301.3	304.9	306.7	312.1	315.7	315.7	319.3	317.5	319.3	321.0
107.5°	373.1	378.4	382.0	387.4	391.0	392.8	392.8	394.6	396.4	398.2
110°	446.6	452.0	460.9	466.3	468.1	471.7	473.5	475.3	477.1	480.7





TEST NUMBER: P395637

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	523.7	529.1	536.3	543.4	541.7	547.0	550.6	552.4	554.2	552.4
115°	593.7	600.8	608.0	615.2	615.2	618.8	626.0	627.7	627.7	631.3
117.5°	660.0	669.0	676.2	683.3	685.1	688.7	694.1	699.5	699.5	703.1
120°	724.6	735.4	742.5	749.7	753.3	755.1	760.5	767.6	767.6	767.6
122.5°	785.6	794.5	803.5	810.7	814.3	817.9	821.5	830.4	830.4	834.0
125°	843.0	853.7	862.7	869.9	873.5	877.1	884.2	889.6	891.4	891.4
127.5°	896.8	907.5	916.5	925.5	927.3	930.9	938.0	945.2	947.0	948.8
130°	947.0	957.8	966.7	975.7	979.3	981.1	990.0	995.4	999.0	1000.8
132.5°	991.8	1002.6	1011.6	1020.5	1024.1	1027.7	1033.1	1042.1	1043.9	1043.9
135°	1033.1	1043.9	1052.8	1063.6	1065.4	1069.0	1076.1	1081.5	1085.1	1086.9
137.5°	1070.8	1081.5	1092.3	1101.2	1104.8	1106.6	1113.8	1121.0	1124.6	1126.4
140°	1104.8	1115.6	1126.4	1133.5	1135.3	1140.7	1146.1	1153.3	1156.8	1158.6
142.5°	1137.1	1146.1	1155.1	1164.0	1165.8	1169.4	1174.8	1182.0	1185.5	1187.3
145°	1165.8	1174.8	1182.0	1189.1	1190.9	1194.5	1199.9	1205.3	1208.9	1210.7
147.5°	1192.7	1199.9	1207.1	1212.4	1214.2	1217.8	1221.4	1225.0	1228.6	1230.4
150°	1216.0	1219.6	1226.8	1230.4	1232.2	1235.8	1239.4	1242.9	1246.5	1248.3
152.5°	1234.0	1239.4	1242.9	1248.3	1250.1	1251.9	1255.5	1259.1	1262.7	1262.7
155°	1248.3	1253.7	1257.3	1262.7	1264.5	1266.3	1269.8	1271.6	1275.2	1275.2
157.5°	1259.1	1264.5	1268.0	1271.6	1273.4	1275.2	1277.0	1280.6	1284.2	1284.2
160°	1271.6	1273.4	1275.2	1278.8	1278.8	1280.6	1282.4	1284.2	1287.8	1287.8
162.5°	1282.4	1284.2	1280.6	1282.4	1280.6	1282.4	1284.2	1286.0	1287.8	1287.8
165°	1286.0	1289.6	1287.8	1289.6	1289.6	1289.6	1289.6	1291.4	1291.4	1291.4
167.5°	1286.0	1289.6	1287.8	1287.8	1289.6	1289.6	1291.4	1293.2	1293.2	1293.2
170°	1286.0	1287.8	1286.0	1284.2	1286.0	1286.0	1286.0	1287.8	1287.8	1287.8
172.5°	1284.2	1286.0	1282.4	1280.6	1280.6	1280.6	1278.8	1278.8	1277.0	1277.0
175°	1282.4	1282.4	1278.8	1277.0	1277.0	1277.0	1273.4	1271.6	1269.8	1268.0
177.5°	1280.6	1280.6	1275.2	1273.4	1273.4	1271.6	1271.6	1268.0	1268.0	1266.3
180°	1277.0	1277.0	1277.0	1277.0	1277.0	1277.0	1277.0	1277.0	1277.0	1277.0

(END OF REPORT)