

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: P395467

Luminaire Tested: **I3-CL-80L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395467
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-80L82765-1D-UNV-W2A-W-4 (4000K)
Description: CORELITE I3, CLEAR TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7342.2 lumens
Efficiency: N/A
Efficacy: 116.5 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

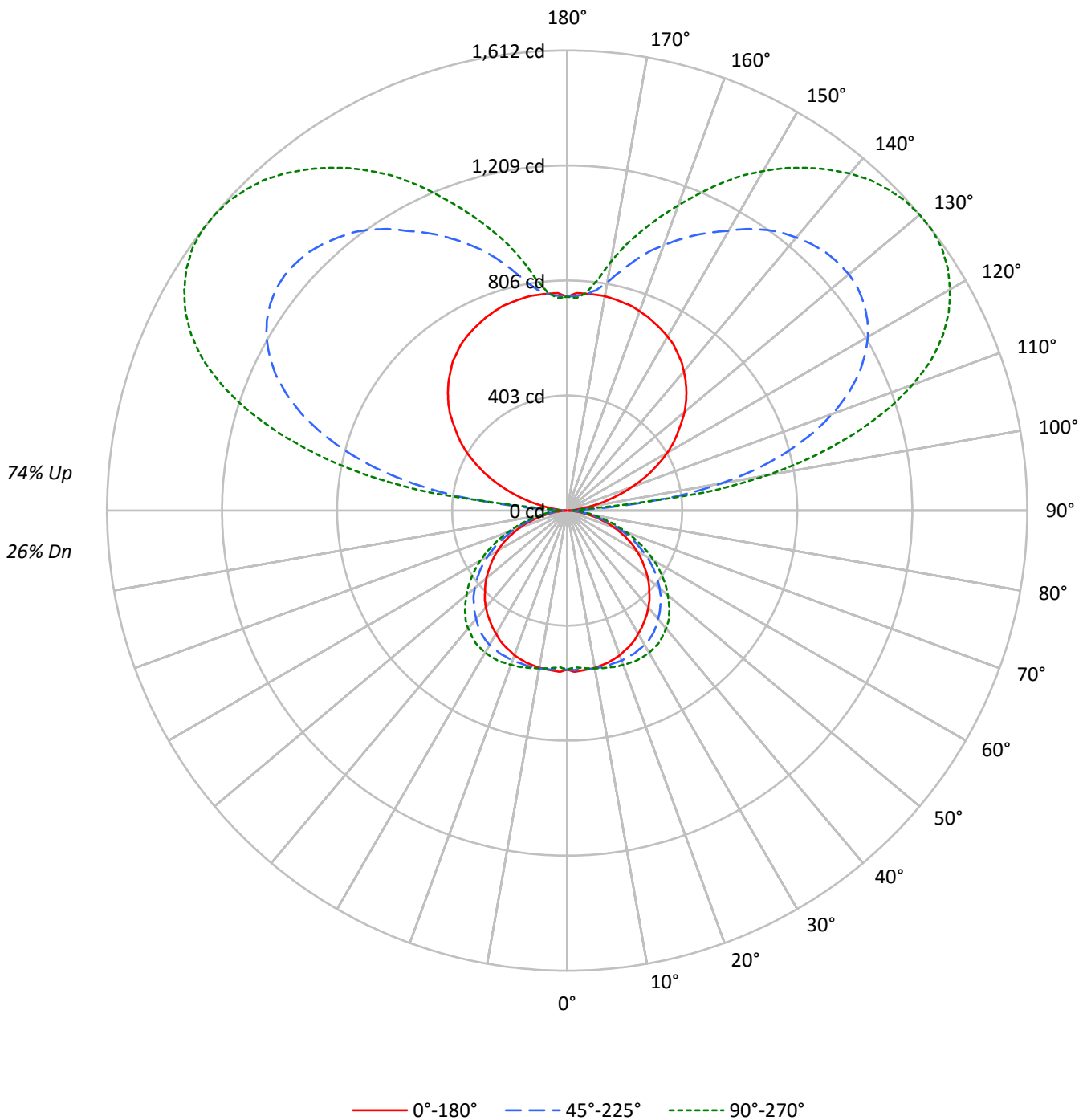
Input Watts (W): 63
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395467

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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°	3063	3063	3063
5°	3095	3015	2966
10°	3097	2991	2958
15°	3101	2981	2972
20°	3107	2982	2999
25°	3102	2985	3039
30°	3084	2989	3060
35°	3077	2973	3063
40°	3066	2909	3024
45°	3035	2839	2949
50°	3007	2746	2817
55°	2945	2608	2655
60°	2873	2424	2451
65°	2755	2177	2173
70°	2558	1854	1840
75°	2208	1474	1477
80°	1714	1048	1082
85°	1006	648	725



TEST NUMBER: P395467

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	0.7
10°-20°	158.4	2.2
20°-30°	253.9	3.5
30°-40°	324.8	4.4
40°-50°	354.1	4.8
50°-60°	331.8	4.5
60°-70°	257.4	3.5
70°-80°	147.5	2.0
80°-90°	47.2	0.6
90°-100°	189.4	2.6
100°-110°	736.1	10.0
110°-120°	1002.2	13.6
120°-130°	1040.3	14.2
130°-140°	922.8	12.6
140°-150°	716.0	9.8
150°-160°	477.8	6.5
160°-170°	254.7	3.5
170°-180°	74.5	1.0
0°-30°	465.6	6.3
0°-40°	790.4	10.8
0°-60°	1476.2	20.1
0°-90°	1928.4	26.3
90°-120°	1927.7	26.3
90°-150°	4606.8	62.7
90°-180°	5414.0	73.7
0°-180°	7342.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	557	557	557	557	557	
5°	563	557	559	557	553	54
15°	551	549	561	569	569	156
25°	522	526	553	573	579	240
35°	472	482	526	553	563	296
45°	407	425	462	492	506	315
55°	326	344	375	401	409	292
65°	231	241	263	281	286	228
75°	120	126	138	152	156	129
85°	24	28	42	53	55	28
90°	2	6	14	20	24	3
95°	24	134	184	38	36	31
105°	156	472	800	950	1041	167
115°	326	729	1126	1324	1452	321
125°	472	859	1268	1490	1602	422
135°	591	905	1280	1502	1590	455
145°	674	905	1201	1395	1466	422
155°	725	856	1065	1207	1262	335
165°	755	786	905	990	1016	214
175°	763	759	761	765	765	73
180°	749	749	749	749	749	



TEST NUMBER: P395467

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2
2.5°	565.1	563.1	563.1	559.1	559.1	557.2	557.2	557.2	557.2	557.2	559.1
5°	563.1	563.1	561.1	559.1	559.1	557.2	557.2	557.2	557.2	557.2	559.1
7.5°	561.1	561.1	559.1	557.2	557.2	557.2	557.2	557.2	557.2	557.2	561.1
10°	559.1	559.1	557.2	555.2	555.2	555.2	555.2	557.2	557.2	557.2	561.1
12.5°	555.2	553.2	553.2	551.2	551.2	551.2	553.2	553.2	555.2	557.2	561.1
15°	551.2	551.2	549.3	547.3	549.3	549.3	549.3	551.2	553.2	555.2	561.1
17.5°	545.3	545.3	543.3	543.3	543.3	545.3	545.3	547.3	551.2	555.2	559.1
20°	539.4	537.4	537.4	537.4	539.4	539.4	541.4	545.3	547.3	553.2	559.1
22.5°	529.5	531.5	529.5	529.5	531.5	533.5	535.4	539.4	543.3	549.3	555.2
25°	521.6	521.6	521.6	521.6	525.5	525.5	529.5	533.5	539.4	545.3	553.2
27.5°	511.7	511.7	511.7	513.7	515.7	517.6	519.6	525.5	531.5	539.4	547.3
30°	497.9	497.9	497.9	497.9	503.8	505.8	509.7	517.6	523.6	533.5	543.3
32.5°	486.0	486.0	486.0	488.0	492.0	493.9	497.9	507.8	515.7	525.5	535.4
35°	472.2	472.2	474.2	474.2	480.1	482.1	486.0	493.9	501.8	513.7	525.5
37.5°	458.4	458.4	460.3	462.3	466.3	470.2	474.2	482.1	490.0	499.9	511.7
40°	442.6	442.6	444.5	446.5	452.4	456.4	460.3	468.3	476.2	486.0	495.9
42.5°	426.8	426.8	428.7	430.7	436.6	440.6	444.5	454.4	462.3	472.2	480.1
45°	407.0	409.0	411.0	414.9	420.8	424.8	428.7	436.6	446.5	454.4	462.3
47.5°	389.2	391.2	393.2	397.1	403.1	407.0	411.0	418.9	426.8	434.7	444.5
50°	369.5	371.4	373.4	377.4	383.3	387.2	391.2	399.1	407.0	412.9	422.8
52.5°	347.7	349.7	351.7	355.6	363.5	365.5	369.5	377.4	383.3	391.2	399.1
55°	326.0	328.0	329.9	333.9	339.8	343.8	345.8	353.7	359.6	367.5	375.4
57.5°	304.3	306.2	308.2	312.2	316.1	320.1	322.0	328.0	335.9	341.8	349.7
60°	280.6	282.5	284.5	286.5	292.4	294.4	296.4	302.3	308.2	316.1	322.0
62.5°	256.8	256.8	258.8	260.8	266.7	268.7	270.7	274.6	282.5	286.5	292.4
65°	231.2	231.2	233.1	235.1	239.1	241.0	243.0	247.0	252.9	256.8	262.8
67.5°	203.5	203.5	205.5	207.5	211.4	213.4	213.4	219.3	223.3	227.2	231.2
70°	177.8	177.8	179.8	179.8	181.8	183.7	185.7	189.7	191.6	197.6	199.6
72.5°	150.2	150.2	150.2	150.2	154.1	154.1	156.1	160.0	162.0	166.0	169.9
75°	120.5	120.5	122.5	122.5	124.5	126.4	128.4	130.4	134.4	136.3	138.3
77.5°	94.8	92.9	94.8	96.8	98.8	98.8	100.8	102.7	104.7	108.7	110.6
80°	67.2	67.2	67.2	69.2	71.1	71.1	73.1	75.1	77.1	81.0	83.0
82.5°	43.5	43.5	45.4	45.4	47.4	49.4	49.4	51.4	53.3	57.3	59.3
85°	23.7	23.7	23.7	25.7	27.7	27.7	29.6	31.6	35.6	37.5	41.5
87.5°	7.9	7.9	9.9	11.9	13.8	13.8	15.8	17.8	19.8	23.7	25.7
90°	2.0	2.0	2.0	4.0	4.0	5.9	5.9	7.9	9.9	11.9	13.8
92.5°	7.9	13.8	21.7	31.6	29.6	31.6	21.7	13.8	13.8	13.8	15.8
95°	23.7	35.6	57.3	90.9	118.5	134.4	148.2	162.0	189.7	191.6	183.7
97.5°	47.4	65.2	104.7	148.2	197.6	223.3	243.0	284.5	328.0	355.6	389.2
100°	79.0	104.7	156.1	215.4	272.7	306.2	337.9	397.1	450.5	497.9	549.3
102.5°	116.6	146.2	209.4	282.5	353.7	391.2	424.8	493.9	567.0	630.3	685.6
105°	156.1	189.7	264.7	347.7	428.7	472.2	513.7	588.8	665.8	735.0	800.2
107.5°	199.6	235.1	316.1	409.0	499.9	549.3	594.7	675.7	756.7	831.8	900.9
110°	241.0	280.6	365.5	466.3	569.0	618.4	663.8	752.8	837.7	916.7	989.8



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CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	284.5	326.0	411.0	521.6	626.3	677.7	725.1	819.9	908.8	989.8	1063.0
115°	326.0	365.5	454.4	569.0	675.7	729.0	780.4	877.2	970.1	1051.1	1126.2
117.5°	365.5	403.1	493.9	608.5	719.2	772.5	823.9	924.6	1017.5	1102.5	1175.6
120°	405.0	438.6	537.4	642.1	754.7	808.1	861.4	962.2	1057.0	1142.0	1217.1
122.5°	440.6	472.2	569.0	671.8	782.4	837.7	889.1	991.8	1088.6	1173.6	1246.7
125°	472.2	501.8	598.7	695.5	806.1	859.4	912.8	1013.6	1110.4	1193.3	1268.4
127.5°	503.8	533.5	620.4	719.2	821.9	877.2	928.6	1029.4	1124.2	1209.2	1282.3
130°	537.4	559.1	642.1	740.9	837.7	889.1	942.4	1039.2	1132.1	1215.1	1288.2
132.5°	565.1	584.8	663.8	758.7	849.6	899.0	946.4	1043.2	1136.1	1215.1	1286.2
135°	590.7	606.6	679.7	774.5	859.4	904.9	950.3	1041.2	1132.1	1211.1	1280.3
137.5°	614.5	630.3	693.5	786.3	867.4	906.9	950.3	1035.3	1122.2	1201.3	1266.5
140°	636.2	648.0	705.3	792.3	871.3	908.8	946.4	1025.4	1106.4	1183.5	1248.7
142.5°	657.9	667.8	715.2	796.2	873.3	908.8	944.4	1013.6	1088.6	1163.7	1228.9
145°	673.7	683.6	723.1	798.2	871.3	904.9	936.5	1001.7	1068.9	1138.0	1201.3
147.5°	691.5	699.4	731.0	794.2	865.4	897.0	926.6	985.9	1047.1	1110.4	1169.6
150°	703.4	711.3	735.0	790.3	855.5	885.1	914.8	970.1	1025.4	1080.7	1132.1
152.5°	715.2	721.1	740.9	784.4	843.6	871.3	899.0	952.3	1003.7	1053.1	1098.5
155°	725.1	731.0	744.9	780.4	829.8	855.5	881.2	932.6	980.0	1023.4	1064.9
157.5°	735.0	738.9	748.8	774.5	814.0	837.7	861.4	906.9	950.3	993.8	1027.4
160°	742.9	744.9	752.8	772.5	800.2	818.0	839.7	881.2	920.7	958.2	989.8
162.5°	750.8	750.8	756.7	768.6	788.3	800.2	816.0	851.5	887.1	920.7	950.3
165°	754.7	754.7	758.7	766.6	778.4	786.3	796.2	819.9	847.6	877.2	904.9
167.5°	758.7	758.7	760.7	764.6	772.5	776.5	780.4	796.2	814.0	835.7	857.5
170°	762.6	760.7	760.7	764.6	766.6	768.6	770.5	778.4	786.3	800.2	812.0
172.5°	762.6	760.7	760.7	762.6	762.6	762.6	762.6	764.6	766.6	774.5	778.4
175°	762.6	760.7	760.7	760.7	760.7	758.7	758.7	758.7	758.7	758.7	760.7
177.5°	762.6	760.7	758.7	758.7	756.7	756.7	754.7	754.7	752.8	752.8	752.8
180°	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2
2.5°	559.1	559.1	557.2	557.2	555.2	555.2	553.2	551.2	549.3	549.3
5°	561.1	559.1	557.2	557.2	557.2	555.2	555.2	555.2	553.2	553.2
7.5°	561.1	561.1	561.1	559.1	559.1	559.1	559.1	559.1	557.2	557.2
10°	563.1	563.1	563.1	563.1	563.1	563.1	563.1	561.1	561.1	561.1
12.5°	563.1	563.1	563.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1
15°	565.1	565.1	567.0	567.0	569.0	569.0	571.0	571.0	571.0	569.0
17.5°	563.1	565.1	567.0	569.0	571.0	571.0	573.0	573.0	573.0	573.0
20°	563.1	567.0	569.0	571.0	573.0	573.0	574.9	576.9	576.9	574.9
22.5°	561.1	565.1	567.0	571.0	573.0	573.0	576.9	576.9	576.9	576.9
25°	559.1	563.1	567.0	571.0	573.0	573.0	576.9	576.9	578.9	578.9
27.5°	555.2	559.1	565.1	569.0	571.0	573.0	574.9	576.9	576.9	576.9
30°	549.3	555.2	561.1	565.1	567.0	569.0	571.0	573.0	574.9	574.9
32.5°	541.4	547.3	553.2	559.1	561.1	563.1	567.0	569.0	569.0	569.0
35°	533.5	539.4	545.3	551.2	553.2	555.2	559.1	561.1	563.1	563.1
37.5°	521.6	527.5	533.5	539.4	541.4	545.3	549.3	551.2	551.2	551.2
40°	503.8	513.7	521.6	527.5	529.5	533.5	535.4	539.4	539.4	539.4
42.5°	488.0	495.9	501.8	509.7	511.7	517.6	521.6	523.6	525.5	525.5
45°	470.2	478.1	484.1	490.0	492.0	495.9	499.9	501.8	503.8	505.8
47.5°	452.4	458.4	464.3	470.2	472.2	476.2	480.1	482.1	484.1	484.1
50°	430.7	436.6	442.6	448.5	450.5	454.4	456.4	458.4	460.3	460.3
52.5°	407.0	412.9	418.9	424.8	426.8	428.7	432.7	434.7	436.6	436.6
55°	383.3	389.2	393.2	399.1	401.1	403.1	405.0	409.0	411.0	409.0
57.5°	355.6	361.6	365.5	371.4	373.4	375.4	377.4	379.3	381.3	381.3
60°	326.0	331.9	337.9	341.8	343.8	345.8	347.7	349.7	351.7	351.7
62.5°	296.4	302.3	306.2	312.2	314.1	314.1	316.1	318.1	320.1	320.1
65°	266.7	272.7	274.6	280.6	280.6	282.5	284.5	286.5	286.5	286.5
67.5°	235.1	241.0	243.0	247.0	247.0	248.9	250.9	252.9	252.9	252.9
70°	205.5	207.5	211.4	213.4	215.4	215.4	217.3	219.3	221.3	219.3
72.5°	173.9	175.8	179.8	181.8	181.8	183.7	183.7	185.7	187.7	187.7
75°	142.3	146.2	148.2	150.2	152.1	152.1	154.1	156.1	156.1	156.1
77.5°	112.6	116.6	118.5	120.5	122.5	122.5	124.5	124.5	126.4	124.5
80°	86.9	88.9	90.9	92.9	94.8	94.8	96.8	98.8	98.8	98.8
82.5°	63.2	65.2	69.2	71.1	71.1	71.1	75.1	75.1	77.1	75.1
85°	43.5	45.4	49.4	51.4	53.3	53.3	53.3	55.3	57.3	55.3
87.5°	27.7	31.6	33.6	35.6	35.6	35.6	37.5	39.5	39.5	39.5
90°	15.8	15.8	17.8	19.8	19.8	21.7	21.7	23.7	23.7	23.7
92.5°	15.8	17.8	17.8	17.8	19.8	19.8	19.8	21.7	21.7	21.7
95°	134.4	96.8	55.3	43.5	37.5	37.5	35.6	37.5	35.6	35.6
97.5°	407.0	440.6	456.4	478.1	490.0	488.0	480.1	488.0	482.1	488.0
100°	578.9	610.5	634.2	640.1	652.0	657.9	679.7	695.5	703.4	713.2
102.5°	719.2	756.7	784.4	800.2	812.0	819.9	845.6	869.3	881.2	889.1
105°	847.6	887.1	920.7	936.5	950.3	958.2	985.9	1013.6	1031.3	1041.2
107.5°	950.3	995.8	1031.3	1055.0	1068.9	1082.7	1116.3	1144.0	1165.7	1175.6
110°	1043.2	1088.6	1126.2	1153.8	1169.6	1183.5	1221.0	1252.6	1276.3	1288.2



TEST NUMBER: P395467

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1120.2	1169.6	1207.2	1236.8	1252.6	1272.4	1307.9	1343.5	1367.2	1381.0
115°	1183.5	1234.8	1274.4	1306.0	1323.7	1341.5	1383.0	1418.6	1442.3	1452.2
117.5°	1236.8	1288.2	1329.7	1361.3	1381.0	1400.8	1442.3	1473.9	1499.6	1507.5
120°	1280.3	1331.7	1373.1	1408.7	1428.5	1446.2	1485.8	1519.3	1543.1	1549.0
122.5°	1309.9	1363.3	1406.7	1446.2	1464.0	1481.8	1519.3	1552.9	1574.7	1580.6
125°	1331.7	1387.0	1430.4	1471.9	1489.7	1507.5	1543.1	1576.6	1594.4	1602.3
127.5°	1345.5	1400.8	1448.2	1487.7	1507.5	1523.3	1558.9	1588.5	1606.3	1612.2
130°	1349.4	1406.7	1454.1	1495.6	1513.4	1529.2	1562.8	1592.4	1608.3	1612.2
132.5°	1349.4	1404.8	1454.1	1493.7	1511.4	1527.2	1558.9	1586.5	1602.3	1606.3
135°	1341.5	1394.9	1444.3	1483.8	1501.6	1517.4	1549.0	1572.7	1588.5	1590.5
137.5°	1327.7	1379.1	1426.5	1466.0	1483.8	1499.6	1527.2	1552.9	1566.8	1570.7
140°	1309.9	1357.3	1404.8	1442.3	1460.1	1473.9	1501.6	1523.3	1537.1	1541.1
142.5°	1286.2	1333.6	1377.1	1414.6	1428.5	1444.3	1468.0	1489.7	1501.6	1505.5
145°	1260.5	1306.0	1345.5	1379.1	1394.9	1408.7	1430.4	1450.2	1462.1	1466.0
147.5°	1226.9	1272.4	1309.9	1341.5	1355.4	1369.2	1388.9	1406.7	1418.6	1422.5
150°	1185.4	1226.9	1266.5	1296.1	1309.9	1323.7	1343.5	1359.3	1371.2	1373.1
152.5°	1144.0	1183.5	1217.1	1246.7	1260.5	1274.4	1292.1	1307.9	1321.8	1321.8
155°	1104.4	1138.0	1169.6	1195.3	1207.2	1219.0	1236.8	1250.6	1262.5	1262.5
157.5°	1063.0	1094.6	1120.2	1144.0	1153.8	1163.7	1179.5	1191.4	1201.3	1199.3
160°	1023.4	1047.1	1070.9	1090.6	1100.5	1108.4	1120.2	1130.1	1140.0	1138.0
162.5°	980.0	1001.7	1021.5	1035.3	1043.2	1049.1	1061.0	1070.9	1076.8	1076.8
165°	930.6	950.3	968.1	981.9	989.8	993.8	1003.7	1009.6	1015.5	1015.5
167.5°	879.2	895.0	910.8	922.7	930.6	934.5	944.4	948.4	956.3	954.3
170°	827.8	839.7	851.5	861.4	865.4	869.3	877.2	881.2	885.1	885.1
172.5°	786.3	790.3	796.2	804.1	804.1	806.1	810.1	812.0	814.0	814.0
175°	762.6	764.6	764.6	764.6	764.6	764.6	766.6	764.6	766.6	764.6
177.5°	752.8	752.8	750.8	750.8	748.8	750.8	748.8	746.8	746.8	744.9
180°	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8

(END OF REPORT)