

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: P395597

Luminaire Tested: **I3-FL-60L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395597  
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-60L82765-1D-UNV-W2A-W-4 (4000K)  
Description: CORELITE I3, FROSTED TOP COVER  
6000 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: 5477.4 lumens  
Efficiency: N/A  
Efficacy: 122.8 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

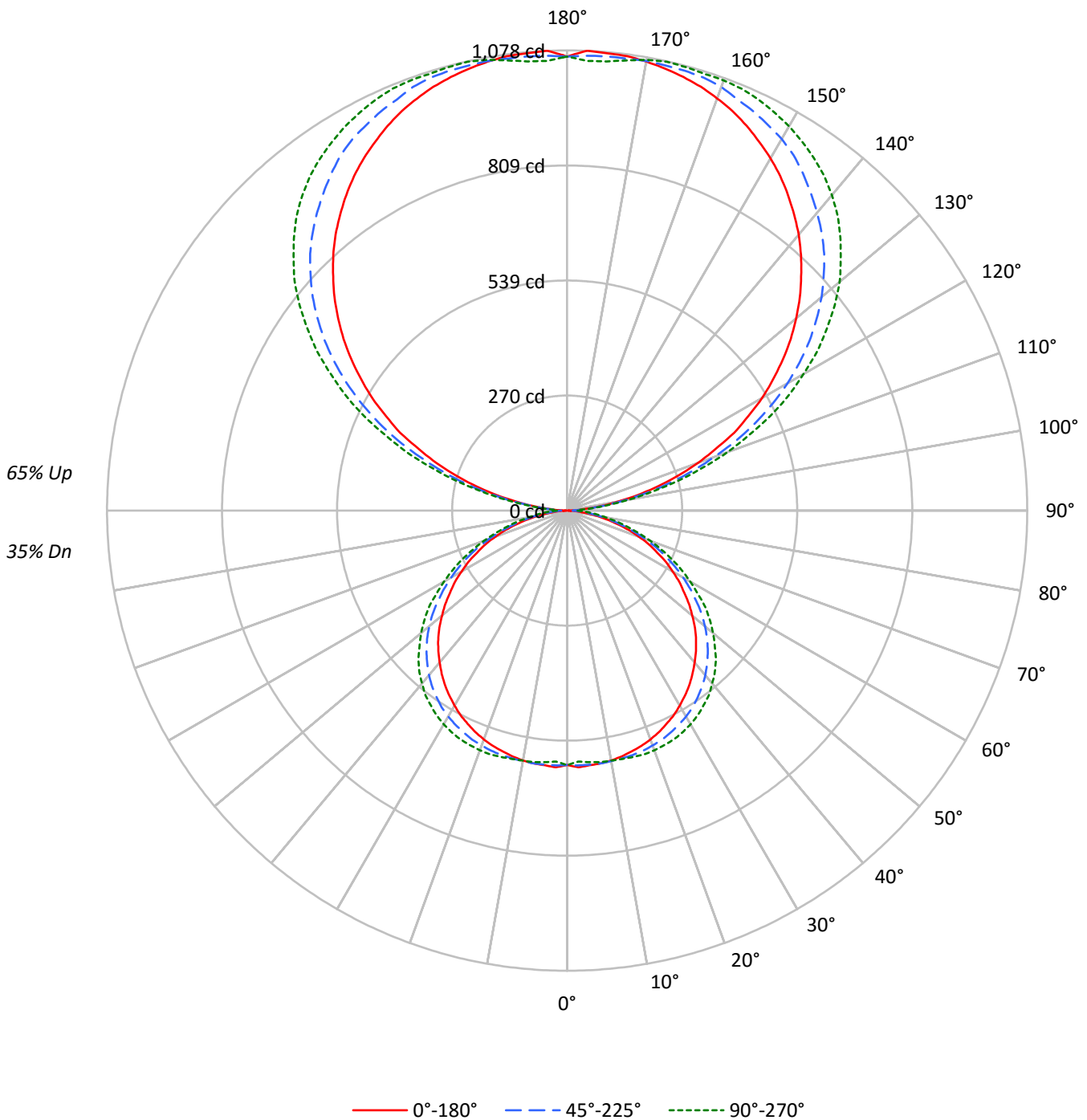
Input Watts (W): 44.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3276	3276	3276
5°	3293	3222	3171
10°	3293	3178	3134
15°	3286	3150	3121
20°	3287	3123	3117
25°	3278	3095	3105
30°	3266	3065	3076
35°	3251	3016	3031
40°	3218	2953	2965
45°	3185	2862	2874
50°	3112	2735	2733
55°	3023	2562	2570
60°	2921	2361	2321
65°	2777	2116	2061
70°	2578	1804	1741
75°	2245	1433	1385
80°	1752	1019	1014
85°	950	583	666



TEST NUMBER: P395597

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (4000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.8	1.0
10°-20°	167.1	3.1
20°-30°	263.6	4.8
30°-40°	331.2	6.0
40°-50°	356.2	6.5
50°-60°	327.6	6.0
60°-70°	251.0	4.6
70°-80°	142.9	2.6
80°-90°	44.6	0.8
90°-100°	59.7	1.1
100°-110°	259.6	4.7
110°-120°	475.2	8.7
120°-130°	612.6	11.2
130°-140°	651.8	11.9
140°-150°	599.7	10.9
150°-160°	475.1	8.7
160°-170°	300.8	5.5
170°-180°	101.9	1.9
0°-30°	487.5	8.9
0°-40°	818.7	14.9
0°-60°	1502.5	27.4
0°-90°	1941.1	35.4
90°-120°	794.5	14.5
90°-150°	2658.5	48.5
90°-180°	3536.0	64.6
0°-180°	5477.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	596	596	596	596	596	
5°	599	593	598	594	592	57
15°	584	581	593	598	598	165
25°	551	553	574	587	592	254
35°	499	505	533	551	557	312
45°	427	438	466	485	493	329
55°	335	348	369	388	396	300
65°	233	240	255	267	272	231
75°	122	126	134	142	146	130
85°	22	28	37	48	51	28
90°	2	4	13	19	22	3
95°	40	39	43	49	51	50
105°	220	230	248	263	267	234
115°	432	451	487	512	526	423
125°	617	644	693	727	742	551
135°	775	801	851	887	905	598
145°	902	922	963	992	1008	565
155°	995	1007	1032	1053	1062	459
165°	1052	1052	1066	1074	1075	297
175°	1075	1068	1068	1064	1056	102
180°	1064	1064	1064	1064	1064	



TEST NUMBER: P395597

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0
2.5°	601.9	600.5	599.0	596.0	596.0	594.5	594.5	594.5	594.5	596.0	597.5
5°	599.0	599.0	597.5	594.5	594.5	593.0	593.0	594.5	593.0	594.5	597.5
7.5°	597.5	597.5	596.0	593.0	593.0	593.0	593.0	593.0	593.0	594.5	597.5
10°	594.5	594.5	591.5	590.0	590.0	590.0	590.0	591.5	591.5	593.0	596.0
12.5°	590.0	588.5	587.0	585.5	585.5	585.5	587.0	588.5	588.5	591.5	594.5
15°	584.0	584.0	582.5	581.0	581.0	581.0	582.5	584.0	585.5	588.5	593.0
17.5°	578.0	578.0	576.6	576.6	576.6	576.6	578.0	579.5	582.5	585.5	590.0
20°	570.6	570.6	569.1	569.1	569.1	570.6	570.6	573.6	576.6	581.0	585.5
22.5°	561.6	561.6	561.6	560.1	561.6	563.1	564.6	567.6	570.6	575.1	581.0
25°	551.2	551.2	551.2	551.2	552.7	552.7	555.6	558.6	561.6	567.6	573.6
27.5°	540.7	540.7	540.7	539.2	542.2	543.7	545.2	549.7	552.7	560.1	566.1
30°	527.3	527.3	527.3	528.8	530.2	531.7	534.7	539.2	542.2	549.7	557.1
32.5°	513.8	513.8	513.8	513.8	518.3	519.8	521.3	525.8	531.7	539.2	546.7
35°	498.9	498.9	498.9	500.4	503.4	504.9	507.8	512.3	518.3	525.8	533.2
37.5°	482.5	483.9	483.9	485.4	488.4	491.4	494.4	498.9	504.9	512.3	519.8
40°	464.5	466.0	466.0	467.5	470.5	473.5	476.5	482.5	488.4	495.9	503.4
42.5°	446.6	448.1	448.1	451.1	454.1	457.1	460.0	466.0	472.0	479.5	485.4
45°	427.2	428.7	428.7	431.7	436.1	437.6	442.1	448.1	454.1	460.0	466.0
47.5°	406.3	407.8	407.8	410.8	415.2	418.2	421.2	427.2	431.7	439.1	445.1
50°	382.4	383.9	385.4	388.4	394.3	397.3	400.3	404.8	410.8	415.2	421.2
52.5°	360.0	360.0	361.5	364.5	368.9	371.9	373.4	377.9	385.4	391.3	397.3
55°	334.6	336.1	337.6	340.6	345.0	348.0	349.5	354.0	358.5	363.0	368.9
57.5°	312.2	312.2	313.7	316.7	321.1	322.6	324.1	327.1	333.1	337.6	342.0
60°	285.3	286.8	288.3	291.3	294.3	297.2	297.2	301.7	306.2	310.7	313.7
62.5°	261.4	261.4	262.9	265.9	267.4	270.4	270.4	274.8	277.8	282.3	285.3
65°	233.0	234.5	236.0	237.5	240.5	240.5	242.0	245.0	247.9	250.9	255.4
67.5°	207.6	207.6	209.1	210.6	212.1	212.1	213.6	216.6	219.6	222.6	225.5
70°	179.2	180.7	180.7	180.7	182.2	183.7	185.2	186.7	189.7	191.2	194.2
72.5°	150.9	150.9	152.4	152.4	153.8	155.3	156.8	158.3	159.8	162.8	164.3
75°	122.5	122.5	124.0	124.0	125.5	125.5	125.5	128.5	129.9	132.9	134.4
77.5°	94.1	95.6	95.6	95.6	97.1	98.6	98.6	100.1	103.1	104.6	106.0
80°	68.7	68.7	68.7	68.7	70.2	71.7	73.2	73.2	76.2	79.2	80.7
82.5°	43.3	43.3	44.8	46.3	46.3	47.8	49.3	50.8	53.8	55.3	56.8
85°	22.4	22.4	23.9	25.4	26.9	28.4	28.4	29.9	32.9	35.8	37.3
87.5°	7.5	9.0	9.0	10.5	11.9	13.4	14.9	16.4	19.4	22.4	23.9
90°	1.5	1.5	1.5	3.0	4.5	4.5	6.0	7.5	9.0	10.5	13.4
92.5°	13.4	13.4	11.9	13.4	13.4	13.4	13.4	14.9	16.4	16.4	19.4
95°	40.3	38.8	38.8	38.8	38.8	38.8	38.8	40.3	41.8	41.8	43.3
97.5°	77.7	77.7	76.2	76.2	77.7	77.7	77.7	79.2	82.2	80.7	83.6
100°	121.0	121.0	119.5	121.0	122.5	124.0	127.0	127.0	129.9	129.9	134.4
102.5°	170.3	170.3	168.8	171.8	173.3	176.3	176.3	179.2	183.7	183.7	189.7
105°	219.6	221.1	221.1	224.0	227.0	230.0	230.0	234.5	240.5	240.5	247.9
107.5°	273.3	274.8	274.8	277.8	280.8	283.8	285.3	291.3	297.2	298.7	307.7
110°	325.6	327.1	328.6	331.6	334.6	339.1	342.0	348.0	355.5	358.5	365.9



TEST NUMBER: P395597

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	374.9	380.9	382.4	386.9	391.3	395.8	398.8	406.3	415.2	419.7	428.7
115°	431.7	434.7	436.1	440.6	446.6	451.1	454.1	461.5	470.5	476.5	486.9
117.5°	478.0	485.4	486.9	491.4	497.4	501.9	504.9	513.8	524.3	531.7	542.2
120°	527.3	533.2	539.2	542.2	546.7	552.7	555.6	564.6	576.6	584.0	596.0
122.5°	572.1	578.0	584.0	588.5	594.5	597.5	601.9	612.4	624.3	633.3	645.3
125°	616.9	624.3	628.8	633.3	640.8	643.8	648.2	658.7	670.7	681.1	693.1
127.5°	660.2	664.7	672.1	675.1	682.6	685.6	690.1	702.0	714.0	724.4	736.4
130°	700.5	706.5	712.5	714.0	722.9	727.4	731.9	742.3	755.8	766.2	778.2
132.5°	739.4	742.3	749.8	754.3	761.8	766.2	770.7	779.7	793.1	803.6	815.5
135°	775.2	778.2	787.2	791.6	796.1	800.6	806.6	815.5	829.0	839.4	851.4
137.5°	811.1	814.0	823.0	827.5	830.5	835.0	839.4	848.4	861.8	872.3	882.8
140°	843.9	846.9	852.9	858.9	861.8	864.8	869.3	878.3	890.2	900.7	911.1
142.5°	873.8	876.8	882.8	888.7	893.2	893.2	897.7	905.2	918.6	929.1	938.0
145°	902.2	903.7	909.6	915.6	921.6	921.6	923.1	930.5	942.5	954.4	963.4
147.5°	929.1	930.5	935.0	941.0	945.5	947.0	950.0	953.0	964.9	976.9	987.3
150°	953.0	954.4	957.4	963.4	966.4	969.4	972.4	973.9	982.8	993.3	1005.2
152.5°	973.9	975.4	978.3	982.8	985.8	988.8	991.8	996.3	1000.8	1011.2	1018.7
155°	994.8	996.3	997.8	1002.2	1005.2	1006.7	1008.2	1014.2	1018.7	1024.7	1032.1
157.5°	1012.7	1012.7	1014.2	1017.2	1020.2	1020.2	1021.7	1027.6	1032.1	1038.1	1042.6
160°	1027.6	1027.6	1029.1	1032.1	1032.1	1033.6	1035.1	1039.6	1042.6	1050.0	1056.0
162.5°	1041.1	1039.6	1041.1	1042.6	1042.6	1042.6	1044.1	1047.1	1051.5	1057.5	1063.5
165°	1051.5	1051.5	1051.5	1053.0	1053.0	1051.5	1051.5	1054.5	1057.5	1062.0	1066.5
167.5°	1060.5	1060.5	1059.0	1060.5	1059.0	1059.0	1057.5	1059.0	1060.5	1065.0	1068.0
170°	1068.0	1066.5	1066.5	1066.5	1065.0	1063.5	1063.5	1063.5	1063.5	1066.5	1069.5
172.5°	1073.9	1072.4	1071.0	1071.0	1068.0	1066.5	1066.5	1065.0	1065.0	1066.5	1068.0
175°	1075.4	1073.9	1072.4	1072.4	1069.5	1068.0	1066.5	1066.5	1065.0	1066.5	1068.0
177.5°	1078.4	1076.9	1073.9	1073.9	1071.0	1068.0	1068.0	1066.5	1065.0	1066.5	1066.5
180°	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0
2.5°	599.0	599.0	597.5	596.0	596.0	594.5	593.0	591.5	590.0	588.5
5°	599.0	597.5	596.0	596.0	594.5	594.5	594.5	593.0	591.5	591.5
7.5°	599.0	599.0	597.5	596.0	596.0	596.0	596.0	596.0	594.5	594.5
10°	599.0	597.5	597.5	597.5	596.0	597.5	597.5	596.0	596.0	594.5
12.5°	597.5	597.5	597.5	597.5	597.5	597.5	597.5	597.5	597.5	596.0
15°	594.5	596.0	596.0	597.5	597.5	597.5	599.0	599.0	597.5	597.5
17.5°	593.0	594.5	596.0	597.5	597.5	597.5	599.0	599.0	599.0	599.0
20°	590.0	591.5	593.0	594.5	594.5	596.0	596.0	597.5	597.5	597.5
22.5°	584.0	585.5	588.5	590.0	591.5	593.0	594.5	594.5	594.5	594.5
25°	578.0	581.0	582.5	585.5	587.0	588.5	590.0	590.0	590.0	591.5
27.5°	570.6	573.6	578.0	579.5	581.0	582.5	584.0	585.5	585.5	585.5
30°	561.6	566.1	569.1	572.1	573.6	575.1	576.6	576.6	578.0	578.0
32.5°	551.2	555.6	558.6	561.6	563.1	564.6	567.6	567.6	569.1	569.1
35°	537.7	542.2	546.7	549.7	551.2	552.7	555.6	557.1	557.1	557.1
37.5°	524.3	528.8	533.2	537.7	539.2	540.7	543.7	543.7	545.2	545.2
40°	507.8	512.3	516.8	521.3	521.3	524.3	525.8	527.3	528.8	528.8
42.5°	491.4	495.9	498.9	503.4	504.9	506.4	507.8	510.8	510.8	512.3
45°	472.0	476.5	479.5	483.9	485.4	486.9	489.9	491.4	492.9	492.9
47.5°	451.1	454.1	457.1	461.5	464.5	466.0	467.5	469.0	470.5	469.0
50°	427.2	430.2	434.7	439.1	440.6	442.1	445.1	445.1	446.6	446.6
52.5°	401.8	406.3	409.3	413.7	415.2	416.7	419.7	419.7	421.2	421.2
55°	373.4	376.4	379.4	386.9	388.4	389.8	392.8	392.8	394.3	395.8
57.5°	346.5	348.0	352.5	355.5	358.5	358.5	360.0	361.5	363.0	363.0
60°	318.1	319.6	322.6	327.1	327.1	328.6	331.6	331.6	333.1	333.1
62.5°	288.3	291.3	294.3	298.7	297.2	298.7	301.7	301.7	303.2	303.2
65°	258.4	259.9	262.9	265.9	267.4	267.4	268.9	270.4	271.8	271.8
67.5°	227.0	230.0	231.5	236.0	234.5	236.0	237.5	237.5	239.0	239.0
70°	197.2	198.7	201.6	203.1	203.1	204.6	206.1	206.1	206.1	207.6
72.5°	167.3	168.8	170.3	171.8	171.8	173.3	174.8	174.8	176.3	176.3
75°	135.9	138.9	140.4	143.4	141.9	143.4	146.4	146.4	146.4	146.4
77.5°	109.0	110.5	113.5	115.0	115.0	115.0	118.0	116.5	118.0	118.0
80°	82.2	83.6	86.6	88.1	88.1	89.6	91.1	91.1	91.1	92.6
82.5°	58.3	61.2	64.2	65.7	65.7	67.2	68.7	68.7	70.2	70.2
85°	40.3	43.3	46.3	46.3	47.8	49.3	50.8	50.8	50.8	50.8
87.5°	26.9	28.4	29.9	31.4	32.9	32.9	34.4	34.4	35.8	35.8
90°	14.9	16.4	17.9	19.4	19.4	20.9	20.9	22.4	22.4	22.4
92.5°	20.9	20.9	22.4	23.9	23.9	23.9	23.9	25.4	25.4	25.4
95°	44.8	46.3	46.3	49.3	49.3	49.3	50.8	50.8	50.8	50.8
97.5°	86.6	86.6	86.6	89.6	89.6	89.6	91.1	91.1	91.1	92.6
100°	135.9	137.4	137.4	141.9	140.4	143.4	143.4	143.4	143.4	144.9
102.5°	191.2	194.2	195.7	200.2	200.2	200.2	203.1	201.6	203.1	203.1
105°	250.9	253.9	255.4	259.9	262.9	262.9	265.9	264.4	265.9	267.4
107.5°	310.7	315.2	318.1	322.6	325.6	327.1	327.1	328.6	330.1	331.6
110°	371.9	376.4	383.9	388.4	389.8	392.8	394.3	395.8	397.3	400.3





TEST NUMBER: P395597

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	436.1	440.6	446.6	452.6	451.1	455.6	458.6	460.0	461.5	460.0
115°	494.4	500.4	506.4	512.3	512.3	515.3	521.3	522.8	522.8	525.8
117.5°	549.7	557.1	563.1	569.1	570.6	573.6	578.0	582.5	582.5	585.5
120°	603.4	612.4	618.4	624.3	627.3	628.8	633.3	639.3	639.3	639.3
122.5°	654.2	661.7	669.2	675.1	678.1	681.1	684.1	691.6	691.6	694.6
125°	702.0	711.0	718.4	724.4	727.4	730.4	736.4	740.9	742.3	742.3
127.5°	746.8	755.8	763.3	770.7	772.2	775.2	781.2	787.2	788.7	790.1
130°	788.7	797.6	805.1	812.6	815.5	817.0	824.5	829.0	832.0	833.5
132.5°	826.0	835.0	842.4	849.9	852.9	855.9	860.3	867.8	869.3	869.3
135°	860.3	869.3	876.8	885.7	887.2	890.2	896.2	900.7	903.7	905.2
137.5°	891.7	900.7	909.6	917.1	920.1	921.6	927.6	933.5	936.5	938.0
140°	920.1	929.1	938.0	944.0	945.5	950.0	954.4	960.4	963.4	964.9
142.5°	947.0	954.4	961.9	969.4	970.9	973.9	978.3	984.3	987.3	988.8
145°	970.9	978.3	984.3	990.3	991.8	994.8	999.3	1003.7	1006.7	1008.2
147.5°	993.3	999.3	1005.2	1009.7	1011.2	1014.2	1017.2	1020.2	1023.2	1024.7
150°	1012.7	1015.7	1021.7	1024.7	1026.1	1029.1	1032.1	1035.1	1038.1	1039.6
152.5°	1027.6	1032.1	1035.1	1039.6	1041.1	1042.6	1045.6	1048.5	1051.5	1051.5
155°	1039.6	1044.1	1047.1	1051.5	1053.0	1054.5	1057.5	1059.0	1062.0	1062.0
157.5°	1048.5	1053.0	1056.0	1059.0	1060.5	1062.0	1063.5	1066.5	1069.5	1069.5
160°	1059.0	1060.5	1062.0	1065.0	1065.0	1066.5	1068.0	1069.5	1072.4	1072.4
162.5°	1068.0	1069.5	1066.5	1068.0	1066.5	1068.0	1069.5	1071.0	1072.4	1072.4
165°	1071.0	1073.9	1072.4	1073.9	1073.9	1073.9	1073.9	1075.4	1075.4	1075.4
167.5°	1071.0	1073.9	1072.4	1072.4	1073.9	1073.9	1075.4	1076.9	1076.9	1076.9
170°	1071.0	1072.4	1071.0	1069.5	1071.0	1071.0	1071.0	1072.4	1072.4	1072.4
172.5°	1069.5	1071.0	1068.0	1066.5	1066.5	1066.5	1065.0	1065.0	1063.5	1063.5
175°	1068.0	1068.0	1065.0	1063.5	1063.5	1063.5	1060.5	1059.0	1057.5	1056.0
177.5°	1066.5	1066.5	1062.0	1060.5	1060.5	1059.0	1059.0	1056.0	1056.0	1054.5
180°	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5	1063.5

(END OF REPORT)