

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: P395595

Luminaire Tested: **I3-FL-60L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395595  
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 (3000K)  
Description: CORELITE I3, FROSTED TOP COVER  
6000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5181.0 lumens  
Efficiency: N/A  
Efficacy: 118.3 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

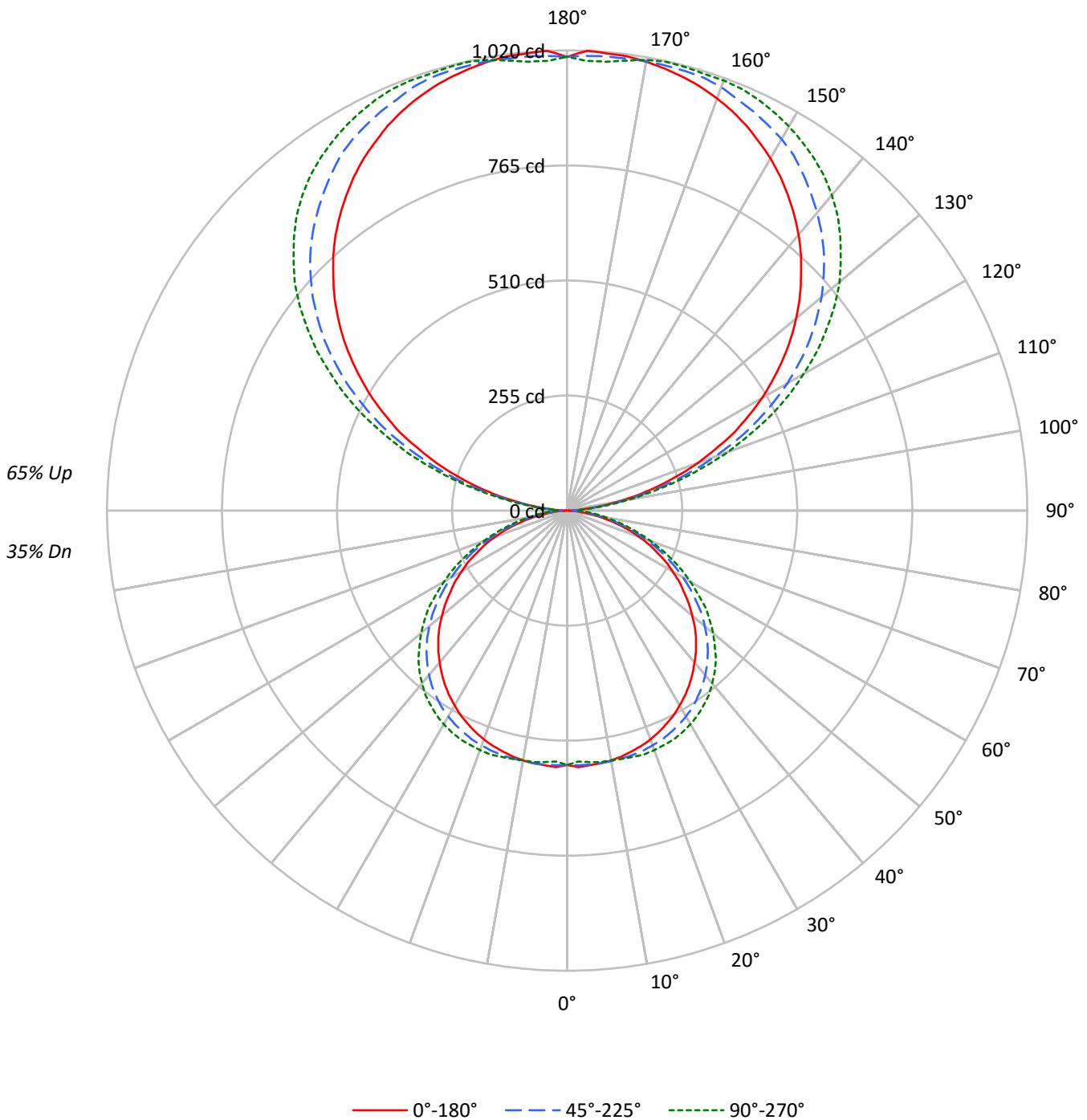
Input Watts (W): 43.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-60L82765-1D-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			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°	3098	3098	3098
5°	3114	3047	3000
10°	3115	3005	2964
15°	3108	2980	2952
20°	3109	2954	2948
25°	3100	2927	2937
30°	3089	2900	2910
35°	3075	2853	2867
40°	3044	2793	2804
45°	3013	2707	2718
50°	2944	2587	2585
55°	2859	2424	2431
60°	2763	2233	2196
65°	2627	2001	1950
70°	2439	1706	1647
75°	2124	1356	1311
80°	1657	963	959
85°	899	551	629



TEST NUMBER: P395595

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (3000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.7	1.0
10°-20°	158.1	3.1
20°-30°	249.3	4.8
30°-40°	313.3	6.0
40°-50°	336.9	6.5
50°-60°	309.9	6.0
60°-70°	237.4	4.6
70°-80°	135.2	2.6
80°-90°	42.2	0.8
90°-100°	56.4	1.1
100°-110°	245.5	4.7
110°-120°	449.5	8.7
120°-130°	579.4	11.2
130°-140°	616.5	11.9
140°-150°	567.2	10.9
150°-160°	449.4	8.7
160°-170°	284.6	5.5
170°-180°	96.3	1.9
0°-30°	461.1	8.9
0°-40°	774.4	14.9
0°-60°	1421.2	27.4
0°-90°	1836.0	35.4
90°-120°	751.5	14.5
90°-150°	2514.7	48.5
90°-180°	3345.0	64.6
0°-180°	5181.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	564	564	564	564	564	
5°	566	561	565	562	560	54
15°	552	550	561	565	565	156
25°	521	523	542	555	560	241
35°	472	478	504	521	527	295
45°	404	414	441	459	466	311
55°	316	329	349	367	374	284
65°	220	228	242	253	257	219
75°	116	119	127	134	138	123
85°	21	27	35	45	48	27
90°	1	4	13	18	21	3
95°	38	37	41	47	48	48
105°	208	218	234	249	253	221
115°	408	427	461	485	497	400
125°	584	609	656	688	702	521
135°	733	757	805	839	856	566
145°	853	872	911	938	954	534
155°	941	952	976	996	1004	434
165°	995	995	1009	1016	1017	281
175°	1017	1010	1010	1006	999	97
180°	1006	1006	1006	1006	1006	



TEST NUMBER: P395595

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7
2.5°	569.4	568.0	566.5	563.7	563.7	562.3	562.3	562.3	562.3	563.7	565.1
5°	566.5	566.5	565.1	562.3	562.3	560.9	560.9	562.3	560.9	562.3	565.1
7.5°	565.1	565.1	563.7	560.9	560.9	560.9	560.9	560.9	560.9	562.3	565.1
10°	562.3	562.3	559.5	558.1	558.1	558.1	558.1	559.5	559.5	560.9	563.7
12.5°	558.1	556.7	555.2	553.8	553.8	553.8	555.2	556.7	556.7	559.5	562.3
15°	552.4	552.4	551.0	549.6	549.6	549.6	551.0	552.4	553.8	556.7	560.9
17.5°	546.8	546.8	545.4	545.4	545.4	545.4	546.8	548.2	551.0	553.8	558.1
20°	539.7	539.7	538.3	538.3	538.3	539.7	539.7	542.5	545.4	549.6	553.8
22.5°	531.2	531.2	531.2	529.8	531.2	532.6	534.1	536.9	539.7	543.9	549.6
25°	521.3	521.3	521.3	521.3	522.8	522.8	525.6	528.4	531.2	536.9	542.5
27.5°	511.4	511.4	511.4	510.0	512.9	514.3	515.7	519.9	522.8	529.8	535.5
30°	498.7	498.7	498.7	500.1	501.6	503.0	505.8	510.0	512.9	519.9	527.0
32.5°	486.0	486.0	486.0	486.0	490.3	491.7	493.1	497.3	503.0	510.0	517.1
35°	471.9	471.9	471.9	473.3	476.1	477.5	480.4	484.6	490.3	497.3	504.4
37.5°	456.3	457.8	457.8	459.2	462.0	464.8	467.6	471.9	477.5	484.6	491.7
40°	439.4	440.8	440.8	442.2	445.0	447.9	450.7	456.3	462.0	469.1	476.1
42.5°	422.4	423.9	423.9	426.7	429.5	432.3	435.2	440.8	446.5	453.5	459.2
45°	404.1	405.5	405.5	408.3	412.5	414.0	418.2	423.9	429.5	435.2	440.8
47.5°	384.3	385.7	385.7	388.5	392.8	395.6	398.4	404.1	408.3	415.4	421.0
50°	361.7	363.1	364.5	367.3	373.0	375.8	378.6	382.9	388.5	392.8	398.4
52.5°	340.5	340.5	341.9	344.7	349.0	351.8	353.2	357.4	364.5	370.2	375.8
55°	316.5	317.9	319.3	322.1	326.4	329.2	330.6	334.8	339.1	343.3	349.0
57.5°	295.3	295.3	296.7	299.5	303.8	305.2	306.6	309.4	315.1	319.3	323.5
60°	269.9	271.3	272.7	275.5	278.3	281.2	281.2	285.4	289.6	293.9	296.7
62.5°	247.2	247.2	248.7	251.5	252.9	255.7	255.7	260.0	262.8	267.0	269.9
65°	220.4	221.8	223.2	224.6	227.5	227.5	228.9	231.7	234.5	237.4	241.6
67.5°	196.4	196.4	197.8	199.2	200.6	200.6	202.0	204.9	207.7	210.5	213.3
70°	169.5	171.0	171.0	171.0	172.4	173.8	175.2	176.6	179.4	180.8	183.7
72.5°	142.7	142.7	144.1	144.1	145.5	146.9	148.3	149.8	151.2	154.0	155.4
75°	115.9	115.9	117.3	117.3	118.7	118.7	118.7	121.5	122.9	125.7	127.2
77.5°	89.0	90.4	90.4	90.4	91.8	93.2	93.2	94.7	97.5	98.9	100.3
80°	65.0	65.0	65.0	65.0	66.4	67.8	69.2	69.2	72.1	74.9	76.3
82.5°	41.0	41.0	42.4	43.8	43.8	45.2	46.6	48.0	50.9	52.3	53.7
85°	21.2	21.2	22.6	24.0	25.4	26.8	26.8	28.3	31.1	33.9	35.3
87.5°	7.1	8.5	8.5	9.9	11.3	12.7	14.1	15.5	18.4	21.2	22.6
90°	1.4	1.4	1.4	2.8	4.2	4.2	5.7	7.1	8.5	9.9	12.7
92.5°	12.7	12.7	11.3	12.7	12.7	12.7	12.7	14.1	15.5	15.5	18.4
95°	38.1	36.7	36.7	36.7	36.7	36.7	36.7	38.1	39.6	39.6	41.0
97.5°	73.5	73.5	72.1	72.1	73.5	73.5	73.5	74.9	77.7	76.3	79.1
100°	114.4	114.4	113.0	114.4	115.9	117.3	120.1	120.1	122.9	122.9	127.2
102.5°	161.1	161.1	159.7	162.5	163.9	166.7	166.7	169.5	173.8	173.8	179.4
105°	207.7	209.1	209.1	211.9	214.8	217.6	217.6	221.8	227.5	227.5	234.5
107.5°	258.5	260.0	260.0	262.8	265.6	268.4	269.9	275.5	281.2	282.6	291.0
110°	308.0	309.4	310.8	313.7	316.5	320.7	323.5	329.2	336.3	339.1	346.1



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CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	354.6	360.3	361.7	365.9	370.2	374.4	377.2	384.3	392.8	397.0	405.5
115°	408.3	411.1	412.5	416.8	422.4	426.7	429.5	436.6	445.0	450.7	460.6
117.5°	452.1	459.2	460.6	464.8	470.5	474.7	477.5	486.0	495.9	503.0	512.9
120°	498.7	504.4	510.0	512.9	517.1	522.8	525.6	534.1	545.4	552.4	563.7
122.5°	541.1	546.8	552.4	556.7	562.3	565.1	569.4	579.3	590.6	599.0	610.3
125°	583.5	590.6	594.8	599.0	606.1	608.9	613.2	623.1	634.4	644.3	655.6
127.5°	624.5	628.7	635.8	638.6	645.7	648.5	652.7	664.0	675.3	685.2	696.5
130°	662.6	668.3	673.9	675.3	683.8	688.1	692.3	702.2	714.9	724.8	736.1
132.5°	699.4	702.2	709.2	713.5	720.5	724.8	729.0	737.5	750.2	760.1	771.4
135°	733.3	736.1	744.6	748.8	753.0	757.3	762.9	771.4	784.1	794.0	805.3
137.5°	767.2	770.0	778.5	782.7	785.5	789.8	794.0	802.5	815.2	825.1	835.0
140°	798.3	801.1	806.7	812.4	815.2	818.0	822.3	830.7	842.1	851.9	861.8
142.5°	826.5	829.3	835.0	840.6	844.9	844.9	849.1	856.2	868.9	878.8	887.3
145°	853.4	854.8	860.4	866.1	871.7	871.7	873.1	880.2	891.5	902.8	911.3
147.5°	878.8	880.2	884.4	890.1	894.3	895.7	898.6	901.4	912.7	924.0	933.9
150°	901.4	902.8	905.6	911.3	914.1	916.9	919.8	921.2	929.6	939.5	950.8
152.5°	921.2	922.6	925.4	929.6	932.5	935.3	938.1	942.4	946.6	956.5	963.6
155°	941.0	942.4	943.8	948.0	950.8	952.3	953.7	959.3	963.6	969.2	976.3
157.5°	957.9	957.9	959.3	962.1	965.0	965.0	966.4	972.0	976.3	981.9	986.2
160°	972.0	972.0	973.4	976.3	976.3	977.7	979.1	983.3	986.2	993.2	998.9
162.5°	984.7	983.3	984.7	986.2	986.2	986.2	987.6	990.4	994.6	1000.3	1005.9
165°	994.6	994.6	994.6	996.1	996.1	994.6	994.6	997.5	1000.3	1004.5	1008.8
167.5°	1003.1	1003.1	1001.7	1003.1	1001.7	1001.7	1000.3	1001.7	1003.1	1007.4	1010.2
170°	1010.2	1008.8	1008.8	1008.8	1007.4	1005.9	1005.9	1005.9	1005.9	1008.8	1011.6
172.5°	1015.8	1014.4	1013.0	1013.0	1010.2	1008.8	1008.8	1007.4	1007.4	1008.8	1010.2
175°	1017.2	1015.8	1014.4	1014.4	1011.6	1010.2	1008.8	1008.8	1007.4	1008.8	1010.2
177.5°	1020.1	1018.7	1015.8	1015.8	1013.0	1010.2	1010.2	1008.8	1007.4	1008.8	1008.8
180°	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9



TEST NUMBER: P395595

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7	563.7
2.5°	566.5	566.5	565.1	563.7	563.7	562.3	560.9	559.5	558.1	556.7
5°	566.5	565.1	563.7	563.7	562.3	562.3	562.3	560.9	559.5	559.5
7.5°	566.5	566.5	565.1	563.7	563.7	563.7	563.7	563.7	562.3	562.3
10°	566.5	565.1	565.1	565.1	563.7	565.1	565.1	563.7	563.7	562.3
12.5°	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	565.1	563.7
15°	562.3	563.7	563.7	565.1	565.1	565.1	566.5	566.5	565.1	565.1
17.5°	560.9	562.3	563.7	565.1	565.1	565.1	566.5	566.5	566.5	566.5
20°	558.1	559.5	560.9	562.3	562.3	563.7	563.7	565.1	565.1	565.1
22.5°	552.4	553.8	556.7	558.1	559.5	560.9	562.3	562.3	562.3	562.3
25°	546.8	549.6	551.0	553.8	555.2	556.7	558.1	558.1	558.1	559.5
27.5°	539.7	542.5	546.8	548.2	549.6	551.0	552.4	553.8	553.8	553.8
30°	531.2	535.5	538.3	541.1	542.5	543.9	545.4	545.4	546.8	546.8
32.5°	521.3	525.6	528.4	531.2	532.6	534.1	536.9	536.9	538.3	538.3
35°	508.6	512.9	517.1	519.9	521.3	522.8	525.6	527.0	527.0	527.0
37.5°	495.9	500.1	504.4	508.6	510.0	511.4	514.3	514.3	515.7	515.7
40°	480.4	484.6	488.8	493.1	493.1	495.9	497.3	498.7	500.1	500.1
42.5°	464.8	469.1	471.9	476.1	477.5	479.0	480.4	483.2	483.2	484.6
45°	446.5	450.7	453.5	457.8	459.2	460.6	463.4	464.8	466.2	466.2
47.5°	426.7	429.5	432.3	436.6	439.4	440.8	442.2	443.6	445.0	443.6
50°	404.1	406.9	411.1	415.4	416.8	418.2	421.0	421.0	422.4	422.4
52.5°	380.1	384.3	387.1	391.4	392.8	394.2	397.0	397.0	398.4	398.4
55°	353.2	356.0	358.9	365.9	367.3	368.8	371.6	371.6	373.0	374.4
57.5°	327.8	329.2	333.4	336.3	339.1	339.1	340.5	341.9	343.3	343.3
60°	300.9	302.3	305.2	309.4	309.4	310.8	313.7	313.7	315.1	315.1
62.5°	272.7	275.5	278.3	282.6	281.2	282.6	285.4	285.4	286.8	286.8
65°	244.4	245.8	248.7	251.5	252.9	252.9	254.3	255.7	257.1	257.1
67.5°	214.8	217.6	219.0	223.2	221.8	223.2	224.6	224.6	226.1	226.1
70°	186.5	187.9	190.7	192.1	192.1	193.6	195.0	195.0	195.0	196.4
72.5°	158.2	159.7	161.1	162.5	162.5	163.9	165.3	165.3	166.7	166.7
75°	128.6	131.4	132.8	135.6	134.2	135.6	138.5	138.5	138.5	138.5
77.5°	103.1	104.6	107.4	108.8	108.8	108.8	111.6	110.2	111.6	111.6
80°	77.7	79.1	81.9	83.4	83.4	84.8	86.2	86.2	86.2	87.6
82.5°	55.1	57.9	60.8	62.2	62.2	63.6	65.0	65.0	66.4	66.4
85°	38.1	41.0	43.8	43.8	45.2	46.6	48.0	48.0	48.0	48.0
87.5°	25.4	26.8	28.3	29.7	31.1	31.1	32.5	32.5	33.9	33.9
90°	14.1	15.5	17.0	18.4	18.4	19.8	19.8	21.2	21.2	21.2
92.5°	19.8	19.8	21.2	22.6	22.6	22.6	22.6	24.0	24.0	24.0
95°	42.4	43.8	43.8	46.6	46.6	46.6	48.0	48.0	48.0	48.0
97.5°	81.9	81.9	81.9	84.8	84.8	84.8	86.2	86.2	86.2	87.6
100°	128.6	130.0	130.0	134.2	132.8	135.6	135.6	135.6	135.6	137.0
102.5°	180.8	183.7	185.1	189.3	189.3	189.3	192.1	190.7	192.1	192.1
105°	237.4	240.2	241.6	245.8	248.7	248.7	251.5	250.1	251.5	252.9
107.5°	293.9	298.1	300.9	305.2	308.0	309.4	309.4	310.8	312.2	313.7
110°	351.8	356.0	363.1	367.3	368.8	371.6	373.0	374.4	375.8	378.6





TEST NUMBER: P395595

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	412.5	416.8	422.4	428.1	426.7	430.9	433.7	435.2	436.6	435.2
115°	467.6	473.3	479.0	484.6	484.6	487.4	493.1	494.5	494.5	497.3
117.5°	519.9	527.0	532.6	538.3	539.7	542.5	546.8	551.0	551.0	553.8
120°	570.8	579.3	584.9	590.6	593.4	594.8	599.0	604.7	604.7	604.7
122.5°	618.8	625.9	633.0	638.6	641.4	644.3	647.1	654.1	654.1	657.0
125°	664.0	672.5	679.6	685.2	688.1	690.9	696.5	700.8	702.2	702.2
127.5°	706.4	714.9	722.0	729.0	730.4	733.3	738.9	744.6	746.0	747.4
130°	746.0	754.5	761.5	768.6	771.4	772.8	779.9	784.1	787.0	788.4
132.5°	781.3	789.8	796.8	803.9	806.7	809.6	813.8	820.9	822.3	822.3
135°	813.8	822.3	829.3	837.8	839.2	842.1	847.7	851.9	854.8	856.2
137.5°	843.5	851.9	860.4	867.5	870.3	871.7	877.4	883.0	885.9	887.3
140°	870.3	878.8	887.3	892.9	894.3	898.6	902.8	908.5	911.3	912.7
142.5°	895.7	902.8	909.9	916.9	918.3	921.2	925.4	931.1	933.9	935.3
145°	918.3	925.4	931.1	936.7	938.1	941.0	945.2	949.4	952.3	953.7
147.5°	939.5	945.2	950.8	955.1	956.5	959.3	962.1	965.0	967.8	969.2
150°	957.9	960.7	966.4	969.2	970.6	973.4	976.3	979.1	981.9	983.3
152.5°	972.0	976.3	979.1	983.3	984.7	986.2	989.0	991.8	994.6	994.6
155°	983.3	987.6	990.4	994.6	996.1	997.5	1000.3	1001.7	1004.5	1004.5
157.5°	991.8	996.1	998.9	1001.7	1003.1	1004.5	1005.9	1008.8	1011.6	1011.6
160°	1001.7	1003.1	1004.5	1007.4	1007.4	1008.8	1010.2	1011.6	1014.4	1014.4
162.5°	1010.2	1011.6	1008.8	1010.2	1008.8	1010.2	1011.6	1013.0	1014.4	1014.4
165°	1013.0	1015.8	1014.4	1015.8	1015.8	1015.8	1015.8	1017.2	1017.2	1017.2
167.5°	1013.0	1015.8	1014.4	1014.4	1015.8	1015.8	1017.2	1018.7	1018.7	1018.7
170°	1013.0	1014.4	1013.0	1011.6	1013.0	1013.0	1013.0	1014.4	1014.4	1014.4
172.5°	1011.6	1013.0	1010.2	1008.8	1008.8	1008.8	1007.4	1007.4	1005.9	1005.9
175°	1010.2	1010.2	1007.4	1005.9	1005.9	1005.9	1003.1	1001.7	1000.3	998.9
177.5°	1008.8	1008.8	1004.5	1003.1	1003.1	1001.7	1001.7	998.9	998.9	997.5
180°	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9	1005.9

(END OF REPORT)