

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: P395617

Luminaire Tested: **I3-FL-60L93050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395617  
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-60L93050-1D-UNV-W2A-W-4 (4000K)  
Description: CORELITE I3, FROSTED TOP COVER  
6000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5038.3 lumens  
Efficiency: N/A  
Efficacy: 111.5 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

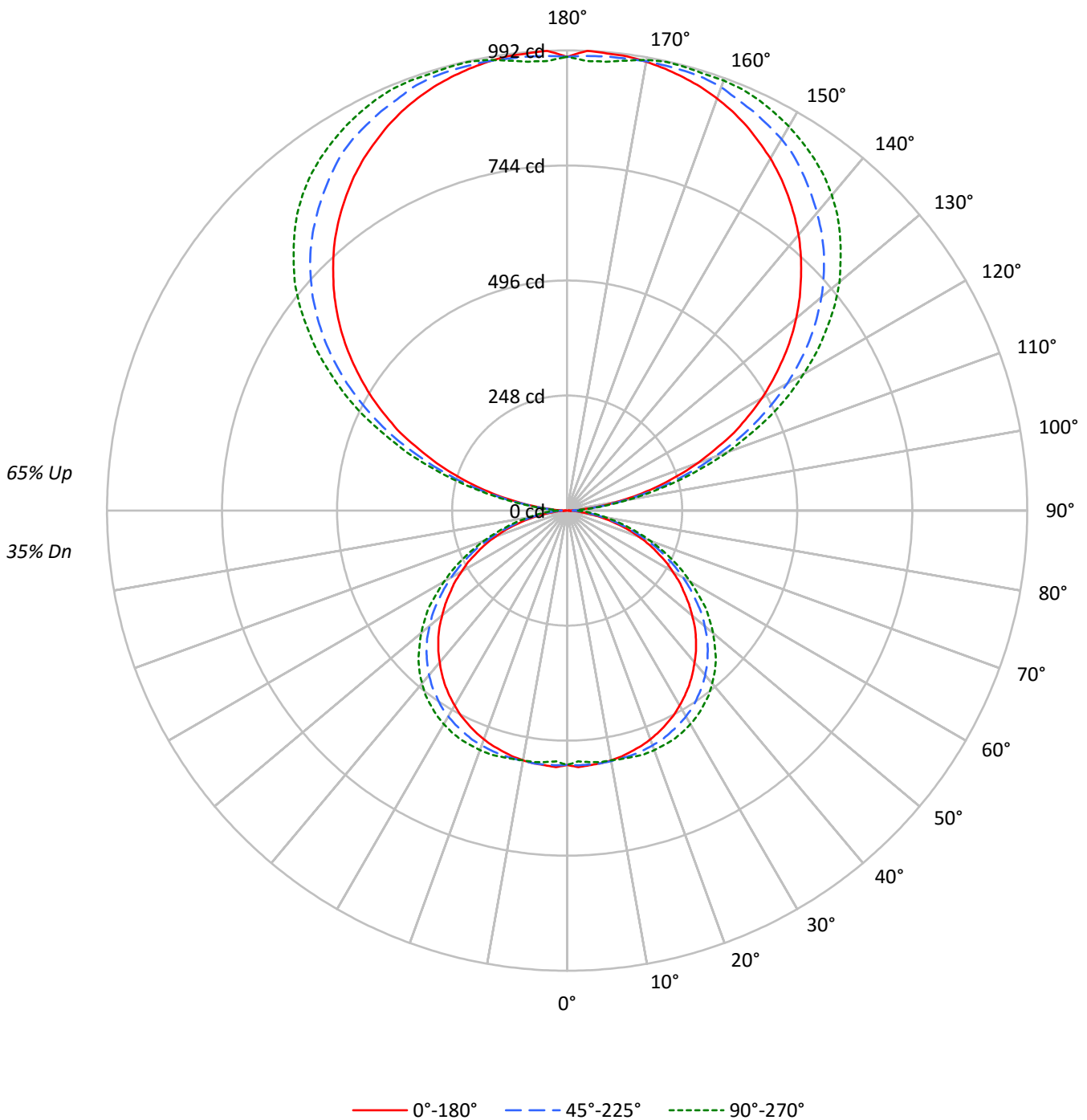
Input Watts (W): 45.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3013	3013	3013
5°	3028	2963	2917
10°	3029	2923	2882
15°	3022	2897	2871
20°	3023	2873	2867
25°	3015	2847	2856
30°	3004	2820	2830
35°	2990	2775	2788
40°	2960	2716	2727
45°	2929	2633	2643
50°	2862	2516	2514
55°	2781	2358	2364
60°	2687	2172	2135
65°	2554	1946	1897
70°	2373	1659	1602
75°	2065	1319	1274
80°	1612	937	933
85°	874	536	612



TEST NUMBER: P395617

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (4000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.3	1.0
10°-20°	153.7	3.1
20°-30°	242.4	4.8
30°-40°	304.7	6.0
40°-50°	327.6	6.5
50°-60°	301.4	6.0
60°-70°	230.9	4.6
70°-80°	131.5	2.6
80°-90°	41.1	0.8
90°-100°	54.9	1.1
100°-110°	238.8	4.7
110°-120°	437.1	8.7
120°-130°	563.5	11.2
130°-140°	599.5	11.9
140°-150°	551.6	10.9
150°-160°	437.0	8.7
160°-170°	276.7	5.5
170°-180°	93.7	1.9
0°-30°	448.4	8.9
0°-40°	753.1	14.9
0°-60°	1382.1	27.4
0°-90°	1785.5	35.4
90°-120°	730.8	14.5
90°-150°	2445.4	48.5
90°-180°	3253.0	64.6
0°-180°	5038.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	548	548	548	548	548	
5°	551	545	550	547	544	52
15°	537	534	545	550	550	152
25°	507	508	528	540	544	234
35°	459	464	490	507	512	287
45°	393	403	429	446	453	303
55°	308	320	339	357	364	276
65°	214	221	235	246	250	213
75°	113	115	124	130	135	119
85°	21	26	34	44	47	26
90°	1	4	12	18	21	3
95°	37	36	40	45	47	46
105°	202	212	228	242	246	215
115°	397	415	448	471	484	389
125°	567	592	638	669	683	507
135°	713	736	783	816	833	550
145°	830	848	886	912	927	519
155°	915	926	949	969	977	422
165°	967	967	981	988	989	273
175°	989	982	982	978	971	94
180°	978	978	978	978	978	



TEST NUMBER: P395617

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2
2.5°	553.7	552.3	550.9	548.2	548.2	546.8	546.8	546.8	546.8	548.2	549.6
5°	550.9	550.9	549.6	546.8	546.8	545.4	545.4	546.8	545.4	546.8	549.6
7.5°	549.6	549.6	548.2	545.4	545.4	545.4	545.4	545.4	545.4	546.8	549.6
10°	546.8	546.8	544.1	542.7	542.7	542.7	542.7	544.1	544.1	545.4	548.2
12.5°	542.7	541.3	540.0	538.6	538.6	538.6	540.0	541.3	541.3	544.1	546.8
15°	537.2	537.2	535.8	534.5	534.5	534.5	535.8	537.2	538.6	541.3	545.4
17.5°	531.7	531.7	530.3	530.3	530.3	530.3	531.7	533.1	535.8	538.6	542.7
20°	524.8	524.8	523.5	523.5	523.5	524.8	524.8	527.6	530.3	534.5	538.6
22.5°	516.6	516.6	516.6	515.2	516.6	518.0	519.3	522.1	524.8	529.0	534.5
25°	507.0	507.0	507.0	507.0	508.4	508.4	511.1	513.8	516.6	522.1	527.6
27.5°	497.4	497.4	497.4	496.0	498.7	500.1	501.5	505.6	508.4	515.2	520.7
30°	485.0	485.0	485.0	486.4	487.7	489.1	491.9	496.0	498.7	505.6	512.5
32.5°	472.6	472.6	472.6	472.6	476.8	478.1	479.5	483.6	489.1	496.0	502.9
35°	458.9	458.9	458.9	460.3	463.0	464.4	467.1	471.3	476.8	483.6	490.5
37.5°	443.8	445.2	445.2	446.5	449.3	452.0	454.8	458.9	464.4	471.3	478.1
40°	427.3	428.7	428.7	430.0	432.8	435.5	438.3	443.8	449.3	456.1	463.0
42.5°	410.8	412.2	412.2	414.9	417.7	420.4	423.2	428.7	434.2	441.0	446.5
45°	392.9	394.3	394.3	397.1	401.2	402.6	406.7	412.2	417.7	423.2	428.7
47.5°	373.7	375.1	375.1	377.8	382.0	384.7	387.4	392.9	397.1	403.9	409.4
50°	351.7	353.1	354.5	357.2	362.7	365.5	368.2	372.3	377.8	382.0	387.4
52.5°	331.1	331.1	332.5	335.2	339.4	342.1	343.5	347.6	354.5	360.0	365.5
55°	307.8	309.1	310.5	313.3	317.4	320.1	321.5	325.6	329.7	333.9	339.4
57.5°	287.2	287.2	288.5	291.3	295.4	296.8	298.1	300.9	306.4	310.5	314.6
60°	262.4	263.8	265.2	267.9	270.7	273.4	273.4	277.5	281.7	285.8	288.5
62.5°	240.4	240.4	241.8	244.6	245.9	248.7	248.7	252.8	255.6	259.7	262.4
65°	214.3	215.7	217.1	218.5	221.2	221.2	222.6	225.3	228.1	230.8	234.9
67.5°	191.0	191.0	192.3	193.7	195.1	195.1	196.5	199.2	202.0	204.7	207.5
70°	164.9	166.2	166.2	166.2	167.6	169.0	170.4	171.7	174.5	175.9	178.6
72.5°	138.8	138.8	140.1	140.1	141.5	142.9	144.3	145.6	147.0	149.8	151.1
75°	112.7	112.7	114.0	114.0	115.4	115.4	115.4	118.2	119.5	122.3	123.7
77.5°	86.6	87.9	87.9	87.9	89.3	90.7	90.7	92.1	94.8	96.2	97.5
80°	63.2	63.2	63.2	63.2	64.6	65.9	67.3	67.3	70.1	72.8	74.2
82.5°	39.8	39.8	41.2	42.6	42.6	44.0	45.3	46.7	49.5	50.8	52.2
85°	20.6	20.6	22.0	23.4	24.7	26.1	26.1	27.5	30.2	33.0	34.3
87.5°	6.9	8.2	8.2	9.6	11.0	12.4	13.7	15.1	17.9	20.6	22.0
90°	1.4	1.4	1.4	2.7	4.1	4.1	5.5	6.9	8.2	9.6	12.4
92.5°	12.4	12.4	11.0	12.4	12.4	12.4	12.4	13.7	15.1	15.1	17.9
95°	37.1	35.7	35.7	35.7	35.7	35.7	35.7	37.1	38.5	38.5	39.8
97.5°	71.4	71.4	70.1	70.1	71.4	71.4	71.4	72.8	75.6	74.2	76.9
100°	111.3	111.3	109.9	111.3	112.7	114.0	116.8	116.8	119.5	119.5	123.7
102.5°	156.6	156.6	155.3	158.0	159.4	162.1	162.1	164.9	169.0	169.0	174.5
105°	202.0	203.3	203.3	206.1	208.8	211.6	211.6	215.7	221.2	221.2	228.1
107.5°	251.4	252.8	252.8	255.6	258.3	261.0	262.4	267.9	273.4	274.8	283.0
110°	299.5	300.9	302.3	305.0	307.8	311.9	314.6	320.1	327.0	329.7	336.6



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CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	344.9	350.4	351.7	355.8	360.0	364.1	366.8	373.7	382.0	386.1	394.3
115°	397.1	399.8	401.2	405.3	410.8	414.9	417.7	424.5	432.8	438.3	447.9
117.5°	439.7	446.5	447.9	452.0	457.5	461.6	464.4	472.6	482.2	489.1	498.7
120°	485.0	490.5	496.0	498.7	502.9	508.4	511.1	519.3	530.3	537.2	548.2
122.5°	526.2	531.7	537.2	541.3	546.8	549.6	553.7	563.3	574.3	582.5	593.5
125°	567.4	574.3	578.4	582.5	589.4	592.2	596.3	605.9	616.9	626.5	637.5
127.5°	607.3	611.4	618.3	621.0	627.9	630.6	634.8	645.7	656.7	666.4	677.3
130°	644.4	649.9	655.4	656.7	665.0	669.1	673.2	682.8	695.2	704.8	715.8
132.5°	680.1	682.8	689.7	693.8	700.7	704.8	708.9	717.2	729.6	739.2	750.2
135°	713.1	715.8	724.1	728.2	732.3	736.4	741.9	750.2	762.5	772.1	783.1
137.5°	746.0	748.8	757.0	761.2	763.9	768.0	772.1	780.4	792.8	802.4	812.0
140°	776.3	779.0	784.5	790.0	792.8	795.5	799.6	807.9	818.9	828.5	838.1
142.5°	803.7	806.5	812.0	817.5	821.6	821.6	825.7	832.6	845.0	854.6	862.8
145°	829.9	831.2	836.7	842.2	847.7	847.7	849.1	856.0	866.9	877.9	886.2
147.5°	854.6	856.0	860.1	865.6	869.7	871.1	873.8	876.6	887.6	898.5	908.2
150°	876.6	877.9	880.7	886.2	888.9	891.7	894.4	895.8	904.0	913.7	924.7
152.5°	895.8	897.2	899.9	904.0	906.8	909.5	912.3	916.4	920.5	930.1	937.0
155°	915.0	916.4	917.8	921.9	924.7	926.0	927.4	932.9	937.0	942.5	949.4
157.5°	931.5	931.5	932.9	935.6	938.4	938.4	939.8	945.3	949.4	954.9	959.0
160°	945.3	945.3	946.6	949.4	949.4	950.8	952.1	956.3	959.0	965.9	971.4
162.5°	957.6	956.3	957.6	959.0	959.0	959.0	960.4	963.1	967.2	972.7	978.2
165°	967.2	967.2	967.2	968.6	968.6	967.2	967.2	970.0	972.7	976.9	981.0
167.5°	975.5	975.5	974.1	975.5	974.1	974.1	972.7	974.1	975.5	979.6	982.4
170°	982.4	981.0	981.0	981.0	979.6	978.2	978.2	978.2	978.2	981.0	983.7
172.5°	987.9	986.5	985.1	985.1	982.4	981.0	981.0	979.6	979.6	981.0	982.4
175°	989.2	987.9	986.5	986.5	983.7	982.4	981.0	981.0	979.6	981.0	982.4
177.5°	992.0	990.6	987.9	987.9	985.1	982.4	982.4	981.0	979.6	981.0	981.0
180°	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2
2.5°	550.9	550.9	549.6	548.2	548.2	546.8	545.4	544.1	542.7	541.3
5°	550.9	549.6	548.2	548.2	546.8	546.8	546.8	545.4	544.1	544.1
7.5°	550.9	550.9	549.6	548.2	548.2	548.2	548.2	548.2	546.8	546.8
10°	550.9	549.6	549.6	549.6	548.2	549.6	549.6	548.2	548.2	546.8
12.5°	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	549.6	548.2
15°	546.8	548.2	548.2	549.6	549.6	549.6	550.9	550.9	549.6	549.6
17.5°	545.4	546.8	548.2	549.6	549.6	549.6	550.9	550.9	550.9	550.9
20°	542.7	544.1	545.4	546.8	546.8	548.2	548.2	549.6	549.6	549.6
22.5°	537.2	538.6	541.3	542.7	544.1	545.4	546.8	546.8	546.8	546.8
25°	531.7	534.5	535.8	538.6	540.0	541.3	542.7	542.7	542.7	544.1
27.5°	524.8	527.6	531.7	533.1	534.5	535.8	537.2	538.6	538.6	538.6
30°	516.6	520.7	523.5	526.2	527.6	529.0	530.3	530.3	531.7	531.7
32.5°	507.0	511.1	513.8	516.6	518.0	519.3	522.1	522.1	523.5	523.5
35°	494.6	498.7	502.9	505.6	507.0	508.4	511.1	512.5	512.5	512.5
37.5°	482.2	486.4	490.5	494.6	496.0	497.4	500.1	500.1	501.5	501.5
40°	467.1	471.3	475.4	479.5	479.5	482.2	483.6	485.0	486.4	486.4
42.5°	452.0	456.1	458.9	463.0	464.4	465.8	467.1	469.9	469.9	471.3
45°	434.2	438.3	441.0	445.2	446.5	447.9	450.6	452.0	453.4	453.4
47.5°	414.9	417.7	420.4	424.5	427.3	428.7	430.0	431.4	432.8	431.4
50°	392.9	395.7	399.8	403.9	405.3	406.7	409.4	409.4	410.8	410.8
52.5°	369.6	373.7	376.5	380.6	382.0	383.3	386.1	386.1	387.4	387.4
55°	343.5	346.2	349.0	355.8	357.2	358.6	361.3	361.3	362.7	364.1
57.5°	318.8	320.1	324.2	327.0	329.7	329.7	331.1	332.5	333.9	333.9
60°	292.6	294.0	296.8	300.9	300.9	302.3	305.0	305.0	306.4	306.4
62.5°	265.2	267.9	270.7	274.8	273.4	274.8	277.5	277.5	278.9	278.9
65°	237.7	239.1	241.8	244.6	245.9	245.9	247.3	248.7	250.1	250.1
67.5°	208.8	211.6	213.0	217.1	215.7	217.1	218.5	218.5	219.8	219.8
70°	181.4	182.7	185.5	186.9	186.9	188.2	189.6	189.6	189.6	191.0
72.5°	153.9	155.3	156.6	158.0	158.0	159.4	160.7	160.7	162.1	162.1
75°	125.0	127.8	129.1	131.9	130.5	131.9	134.6	134.6	134.6	134.6
77.5°	100.3	101.7	104.4	105.8	105.8	105.8	108.5	107.2	108.5	108.5
80°	75.6	76.9	79.7	81.1	81.1	82.4	83.8	83.8	83.8	85.2
82.5°	53.6	56.3	59.1	60.5	60.5	61.8	63.2	63.2	64.6	64.6
85°	37.1	39.8	42.6	42.6	44.0	45.3	46.7	46.7	46.7	46.7
87.5°	24.7	26.1	27.5	28.9	30.2	30.2	31.6	31.6	33.0	33.0
90°	13.7	15.1	16.5	17.9	17.9	19.2	19.2	20.6	20.6	20.6
92.5°	19.2	19.2	20.6	22.0	22.0	22.0	22.0	23.4	23.4	23.4
95°	41.2	42.6	42.6	45.3	45.3	45.3	46.7	46.7	46.7	46.7
97.5°	79.7	79.7	79.7	82.4	82.4	82.4	83.8	83.8	83.8	85.2
100°	125.0	126.4	126.4	130.5	129.1	131.9	131.9	131.9	131.9	133.3
102.5°	175.9	178.6	180.0	184.1	184.1	184.1	186.9	185.5	186.9	186.9
105°	230.8	233.6	234.9	239.1	241.8	241.8	244.6	243.2	244.6	245.9
107.5°	285.8	289.9	292.6	296.8	299.5	300.9	300.9	302.3	303.6	305.0
110°	342.1	346.2	353.1	357.2	358.6	361.3	362.7	364.1	365.5	368.2





TEST NUMBER: P395617

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	401.2	405.3	410.8	416.3	414.9	419.0	421.8	423.2	424.5	423.2
115°	454.8	460.3	465.8	471.3	471.3	474.0	479.5	480.9	480.9	483.6
117.5°	505.6	512.5	518.0	523.5	524.8	527.6	531.7	535.8	535.8	538.6
120°	555.1	563.3	568.8	574.3	577.0	578.4	582.5	588.0	588.0	588.0
122.5°	601.8	608.6	615.5	621.0	623.8	626.5	629.3	636.1	636.1	638.9
125°	645.7	654.0	660.9	666.4	669.1	671.9	677.3	681.5	682.8	682.8
127.5°	687.0	695.2	702.1	708.9	710.3	713.1	718.6	724.1	725.4	726.8
130°	725.4	733.7	740.5	747.4	750.2	751.5	758.4	762.5	765.3	766.7
132.5°	759.8	768.0	774.9	781.8	784.5	787.3	791.4	798.3	799.6	799.6
135°	791.4	799.6	806.5	814.7	816.1	818.9	824.4	828.5	831.2	832.6
137.5°	820.2	828.5	836.7	843.6	846.3	847.7	853.2	858.7	861.5	862.8
140°	846.3	854.6	862.8	868.3	869.7	873.8	877.9	883.4	886.2	887.6
142.5°	871.1	877.9	884.8	891.7	893.1	895.8	899.9	905.4	908.2	909.5
145°	893.1	899.9	905.4	910.9	912.3	915.0	919.2	923.3	926.0	927.4
147.5°	913.7	919.2	924.7	928.8	930.1	932.9	935.6	938.4	941.1	942.5
150°	931.5	934.3	939.8	942.5	943.9	946.6	949.4	952.1	954.9	956.3
152.5°	945.3	949.4	952.1	956.3	957.6	959.0	961.7	964.5	967.2	967.2
155°	956.3	960.4	963.1	967.2	968.6	970.0	972.7	974.1	976.9	976.9
157.5°	964.5	968.6	971.4	974.1	975.5	976.9	978.2	981.0	983.7	983.7
160°	974.1	975.5	976.9	979.6	979.6	981.0	982.4	983.7	986.5	986.5
162.5°	982.4	983.7	981.0	982.4	981.0	982.4	983.7	985.1	986.5	986.5
165°	985.1	987.9	986.5	987.9	987.9	987.9	987.9	989.2	989.2	989.2
167.5°	985.1	987.9	986.5	986.5	987.9	987.9	989.2	990.6	990.6	990.6
170°	985.1	986.5	985.1	983.7	985.1	985.1	985.1	986.5	986.5	986.5
172.5°	983.7	985.1	982.4	981.0	981.0	981.0	979.6	979.6	978.2	978.2
175°	982.4	982.4	979.6	978.2	978.2	978.2	975.5	974.1	972.7	971.4
177.5°	981.0	981.0	976.9	975.5	975.5	974.1	974.1	971.4	971.4	970.0
180°	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2	978.2

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