

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P598949

Luminaire Tested: **IFLD-S-SA6E-735-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P598949  
 Test Lab: INNOVATION CENTER(G1)  
 Issue Date: 05/03/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: IFLD-S-SA6E-735-U-SLL  
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens  
 Light Source: (96) 3500K CCT, 70 CRI LEDs  
 Ballast/Driver: ELECTRONIC DRIVER

**Summary**

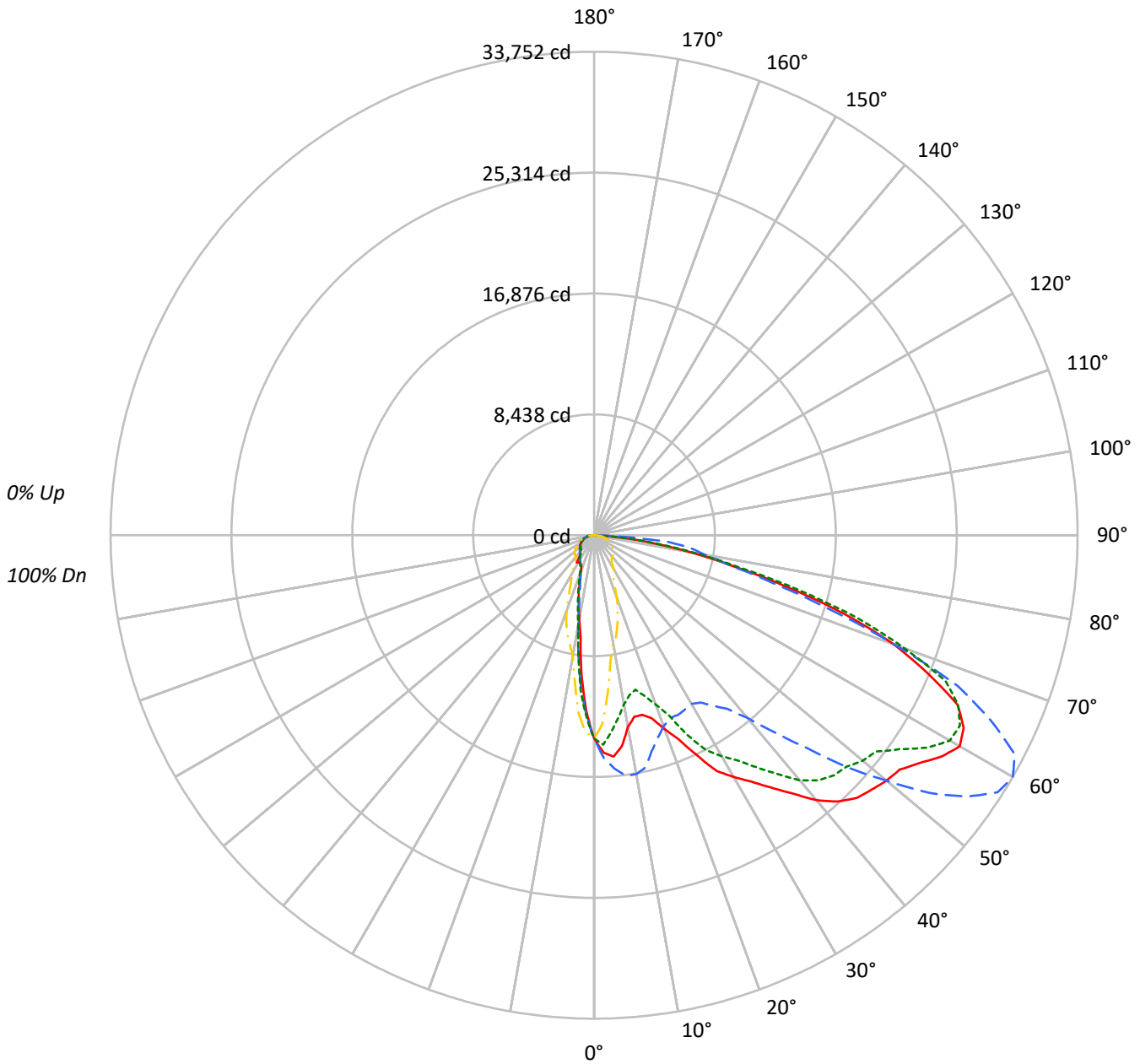
Lumens per Lamp: N/A  
 Luminaire Lumens: 44391.4 lumens  
 Efficiency: N/A  
 Efficacy: 95.6 lumens/watt  
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8  
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
 CIE Type: Direct

Input Watts (W): 464.2  
 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

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    ··· 90°-270°    - · 135°-315°

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77
2	94	83	75	68	91	81	74	67	78	71	65	74	69	64	71	66	62	60
3	84	71	61	53	81	69	60	53	66	58	52	63	56	51	60	55	50	47
4	75	61	51	43	73	60	50	42	57	48	42	54	47	41	52	46	40	38
5	68	53	43	35	66	52	42	35	50	41	34	48	40	34	46	39	34	31
6	63	47	37	30	60	46	37	29	44	36	29	42	35	29	41	34	29	26
7	58	42	32	25	56	41	32	25	40	31	25	38	31	25	37	30	25	22
8	53	38	29	22	52	37	28	22	36	28	22	35	27	22	33	27	22	19
9	50	35	26	20	48	34	26	20	33	25	19	32	25	19	31	24	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15

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

	0°	90°	180°	270°
0°	101743	101743	101743	101743
5°	111777	99295	71209	77734
10°	99008	87385	43190	46347
15°	96408	82949	30576	31746
20°	109927	95942	20001	22105
25°	133934	121616	17463	18087
30°	161375	147506	18112	16807
35°	188205	173197	15008	14146
40°	226157	209185	14019	13281
45°	263193	240411	14188	13190
50°	297442	273259	14510	13630
55°	346884	325696	15028	14289
60°	423082	411494	14979	14979
65°	475470	476139	15380	16049
70°	467286	483813	16113	16527
75°	385462	411122	16927	18016
80°	278309	292144	18716	19530
85°	154032	165378	21078	25944

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1101.5	2.5
10°-20°	2325.6	5.2
20°-30°	3402.6	7.7
30°-40°	4794.0	10.8
40°-50°	6588.4	14.8
50°-60°	8979.2	20.2
60°-70°	9827.4	22.1
70°-80°	5673.7	12.8
80°-90°	1699.0	3.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6829.6	15.4
0°-40°	11623.6	26.2
0°-60°	27191.2	61.3
0°-90°	44391.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	44391.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	14178	14178	14178	14178	14178	
5°	15517	13784	9886	10791	15517	1409
15°	12977	11166	4116	4273	12977	3791
25°	16916	15360	2206	2284	16916	7921
35°	21484	19771	1713	1615	21484	13623
45°	25935	23690	1398	1300	25935	19933
55°	27727	26033	1201	1142	27727	25017
65°	28002	28042	906	945	28002	26801
75°	13903	14828	610	650	13903	14934
85°	1871	2009	256	315	1871	2596
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4
2.5°	15182.7	15123.6	15182.7	15399.3	15458.3	15556.8	15556.8	15419.0	15163.0	15044.8	14847.9
5°	15517.4	15419.0	15911.3	16364.2	16718.6	16679.3	16344.5	16068.8	15556.8	14788.8	14060.2
7.5°	14847.9	14946.3	15300.8	16482.3	17309.4	17466.9	16935.3	16383.9	15281.1	14217.7	13233.1
10°	13587.6	13725.4	14493.4	15714.3	17014.0	17270.0	16935.3	16265.7	14946.3	13627.0	12484.8
12.5°	12977.1	13292.2	13745.1	15222.0	16147.6	16758.0	16600.5	16167.3	14690.3	13134.7	12031.9
15°	12977.1	13055.9	13725.4	14966.0	15497.7	15517.4	15576.5	15655.3	14769.1	13351.3	11874.4
17.5°	13390.7	13607.3	14178.4	14946.3	15044.8	14808.5	14808.5	15143.3	14926.7	13961.7	12445.4
20°	14395.0	14316.2	15064.5	15379.6	14847.9	14257.1	14198.0	14769.1	15103.9	14611.6	13489.1
22.5°	15399.3	15753.7	16364.2	15655.3	14670.7	13883.0	13804.2	14513.1	15635.6	15734.0	14690.3
25°	16915.6	17270.0	17585.1	16718.6	14651.0	13784.5	13843.6	14395.0	16285.4	17329.1	16698.9
27.5°	18550.0	18766.6	19219.5	17880.5	15123.6	13666.4	13725.4	14552.5	16895.9	18372.8	18274.3
30°	19475.5	19711.8	19613.4	18097.1	15438.6	13745.1	13587.6	14769.1	16561.1	18372.8	19298.3
32.5°	20381.4	20243.5	20184.5	18451.5	15832.5	14237.4	13843.6	15222.0	16758.0	18668.2	20617.7
35°	21484.1	21287.2	21129.7	19140.8	16482.3	14710.0	14532.8	15812.8	17191.3	19278.6	21681.1
37.5°	22705.1	22705.1	21937.1	19652.8	17250.3	15478.0	15281.1	16659.6	17880.5	19652.8	23138.3
40°	24142.6	24201.7	22842.9	20342.0	18116.8	16698.9	16639.9	17762.3	18550.0	20204.1	24536.4
42.5°	25206.0	25245.3	23630.6	20598.0	19121.1	18392.5	18648.5	19534.6	19318.0	20696.5	24634.9
45°	25934.6	25737.6	24182.0	21326.6	20223.8	20932.8	21011.5	21267.5	20322.3	20991.8	25028.7
47.5°	26289.0	26249.6	24418.3	22173.4	22547.5	23512.4	23965.4	23610.9	21247.8	20676.8	25028.7
50°	26643.5	26308.7	24634.9	23335.2	24812.1	26761.6	26663.2	26013.3	22527.8	21070.6	24654.6
52.5°	26879.8	26584.4	25068.1	24378.9	26978.3	29183.8	29577.6	28376.4	24024.4	21799.2	24831.8
55°	27726.6	27490.2	26367.8	25796.7	29479.2	31743.8	31802.8	30129.0	25599.8	23000.4	25993.6
57.5°	28750.5	28888.4	28159.8	27805.3	31389.3	33614.5	33397.9	31428.7	26938.9	24457.7	27332.7
60°	29479.2	29695.8	29518.5	29557.9	32334.5	34244.7	33752.4	32236.1	27923.5	25560.4	28967.2
62.5°	29085.3	29518.5	30247.1	30089.6	32373.9	33791.7	33102.5	31172.7	28041.6	26997.9	30207.8
65°	28002.2	28041.6	29459.5	30325.9	30601.6	31448.4	30542.5	28947.5	26820.7	27884.1	30030.5
67.5°	25225.6	25540.7	26820.7	28514.2	27352.4	27549.3	27470.6	25166.6	24969.7	27273.6	28671.8
70°	22271.8	22488.4	23886.6	25875.5	23098.9	22173.4	22350.6	20637.4	21444.8	25383.2	25934.6
72.5°	18412.2	18550.0	20145.1	21897.7	18530.3	16876.2	17289.7	15891.6	17033.7	22212.7	21878.0
75°	13902.7	14158.7	15399.3	17466.9	13646.7	12583.3	12996.8	12425.7	13489.1	18294.0	16974.6
77.5°	9885.5	9688.5	11224.5	13666.4	10259.6	9629.5	9668.8	9767.3	10909.5	15419.0	12189.4
80°	6734.7	6793.8	8172.2	10023.3	8054.1	7955.6	7857.2	8644.9	9156.9	12209.1	8861.5
82.5°	3997.5	3997.5	5513.8	7128.6	6360.6	7167.9	6715.0	7423.9	7167.9	8979.6	5809.2
85°	1870.8	1870.8	2835.7	5139.7	4923.0	5907.6	5021.5	5612.3	5297.2	6262.1	2619.1
87.5°	315.1	275.7	571.1	2520.6	2028.3	2304.0	905.8	2993.2	3328.0	4371.7	649.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4
2.5°	14631.3	14493.4	14217.7	13863.3	13567.9	13193.7	13075.6	12819.6	12465.1	12425.7	12268.2
5°	13784.5	13311.9	12721.1	11992.5	11500.2	10988.2	10555.0	10299.0	10003.6	9964.2	9885.5
7.5°	12859.0	12268.2	11283.6	10417.1	9570.4	8763.0	8369.2	7876.9	7542.1	7286.1	7167.9
10°	11992.5	11441.1	10220.2	9038.7	8290.4	7758.7	7286.1	6774.1	6360.6	6045.5	5927.3
12.5°	11421.4	10771.6	9452.2	8329.8	7778.4	7167.9	6636.3	6084.9	5553.2	5139.7	4923.0
15°	11165.5	10555.0	9215.9	7975.3	7167.9	6321.2	5710.7	5159.3	4509.5	4214.1	4115.7
17.5°	11775.9	10870.1	9137.2	7561.8	6419.6	5454.7	4706.4	4115.7	3643.0	3347.7	3229.5
20°	12563.6	11441.1	9275.0	7069.5	5710.7	4627.7	3800.6	3170.4	2855.4	2638.7	2619.1
22.5°	13567.9	12287.9	9491.6	6715.0	4923.0	3721.8	2973.5	2599.4	2382.8	2363.1	2323.7
25°	15359.9	13823.9	9846.1	6242.4	4292.9	3072.0	2540.3	2323.7	2225.2	2166.1	2205.5
27.5°	16895.9	14828.2	10102.1	5947.0	4036.9	2894.7	2461.5	2225.2	2126.8	2107.1	2126.8
30°	17801.7	15753.7	10023.3	5395.7	3524.9	2756.9	2619.1	2540.3	2343.4	2185.8	2185.8
32.5°	18628.8	16344.5	10003.6	4903.3	3012.9	2304.0	2185.8	2126.8	2244.9	2323.7	2264.6
35°	19770.9	17270.0	9944.5	4627.7	2796.3	2126.8	1929.8	1772.3	1693.5	1654.1	1713.2
37.5°	20991.8	17900.2	9787.0	4588.3	2678.1	2028.3	1870.8	1713.2	1634.4	1595.1	1575.4
40°	22330.9	18569.7	9609.8	4391.4	2619.1	1969.2	1811.7	1673.8	1575.4	1516.3	1496.6
42.5°	23197.4	19101.4	9432.5	4292.9	2500.9	1929.8	1752.6	1634.4	1536.0	1457.2	1457.2
45°	23689.7	19731.5	9255.3	4194.4	2363.1	1949.5	1752.6	1595.1	1476.9	1437.5	1398.1
47.5°	23906.3	20204.1	9196.2	4036.9	2244.9	1870.8	1713.2	1555.7	1437.5	1358.8	1339.1
50°	24477.3	21208.4	9412.8	3918.7	2107.1	1792.0	1811.7	1536.0	1417.8	1319.4	1299.7
52.5°	24812.1	22015.8	9885.5	3741.5	2008.6	1693.5	1772.3	1496.6	1358.8	1260.3	1260.3
55°	26033.0	23354.9	10397.5	3603.7	1890.4	1555.7	1634.4	1417.8	1260.3	1201.2	1201.2
57.5°	27588.7	24772.7	10830.7	3544.6	1811.7	1457.2	1457.2	1378.5	1201.2	1122.5	1102.8
60°	28671.8	25934.6	11086.7	3505.2	1732.9	1358.8	1299.7	1378.5	1142.1	1063.4	1043.7
62.5°	28789.9	25265.0	10830.7	3485.5	1713.2	1260.3	1181.5	1319.4	1083.1	1004.3	964.9
65°	28041.6	23906.3	10121.8	3406.7	1693.5	1161.8	1102.8	1142.1	1004.3	945.2	905.8
67.5°	26545.0	21700.8	9097.8	3367.4	1673.8	1083.1	1004.3	984.6	925.5	866.5	827.1
70°	23059.5	18825.7	7896.6	3190.1	1634.4	1024.0	905.8	886.1	827.1	787.7	768.0
72.5°	19357.4	15399.3	6518.1	2953.8	1555.7	925.5	827.1	787.7	768.0	708.9	689.2
75°	14828.2	11854.7	5218.4	2619.1	1358.8	827.1	728.6	689.2	669.5	630.1	610.5
77.5°	10417.1	8822.1	3859.7	2126.8	1142.1	748.3	649.8	610.5	590.8	531.7	531.7
80°	7069.5	6183.3	2619.1	1476.9	886.1	610.5	571.1	531.7	492.3	452.9	452.9
82.5°	4391.4	4332.3	1890.4	964.9	649.8	492.3	452.9	452.9	393.8	354.5	354.5
85°	2008.6	2658.4	1319.4	669.5	492.3	374.2	374.2	354.5	315.1	256.0	256.0
87.5°	630.1	886.1	689.2	295.4	275.7	216.6	216.6	196.9	196.9	157.5	157.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4
2.5°	12425.7	12406.1	12406.1	12327.3	12524.2	12524.2	12642.4	12543.9	12603.0	12622.7	12780.2
5°	9865.8	10023.3	10141.5	10377.8	10515.6	10574.7	10574.7	10732.2	10673.1	10791.3	11027.6
7.5°	7227.0	7423.9	7778.4	8073.8	8310.1	8388.9	8369.2	8408.5	8467.6	8329.8	8369.2
10°	5848.6	5710.7	5828.9	6104.6	6321.2	6577.2	6380.3	6360.6	6419.6	6360.6	6478.7
12.5°	4883.7	4726.1	4627.7	4627.7	4785.2	4903.3	4844.3	4942.7	5159.3	5218.4	5356.3
15°	3958.1	3820.3	3741.5	3643.0	3800.6	3840.0	3899.0	4036.9	4194.4	4273.2	4430.7
17.5°	3170.4	3170.4	3170.4	3091.7	3150.7	3209.8	3229.5	3406.7	3426.4	3505.2	3564.3
20°	2599.4	2658.4	2756.9	2796.3	2855.4	2855.4	2816.0	2914.4	2835.7	2894.7	2934.1
22.5°	2343.4	2422.1	2461.5	2481.2	2560.0	2579.7	2481.2	2500.9	2520.6	2461.5	2481.2
25°	2205.5	2244.9	2205.5	2225.2	2244.9	2205.5	2225.2	2264.6	2244.9	2284.3	2264.6
27.5°	2146.4	2107.1	2087.4	2067.7	2067.7	2028.3	2048.0	2048.0	2087.4	2107.1	2107.1
30°	2146.4	2087.4	2008.6	1949.5	1949.5	1890.4	1929.8	1969.2	1988.9	2028.3	2028.3
32.5°	2205.5	2087.4	1949.5	1890.4	1831.4	1792.0	1831.4	1890.4	1969.2	1988.9	2008.6
35°	1752.6	1811.7	1792.0	1713.2	1693.5	1693.5	1673.8	1673.8	1614.8	1614.8	1595.1
37.5°	1575.4	1555.7	1595.1	1614.8	1634.4	1575.4	1575.4	1496.6	1476.9	1496.6	1496.6
40°	1476.9	1476.9	1476.9	1536.0	1555.7	1516.3	1457.2	1417.8	1417.8	1417.8	1437.5
42.5°	1437.5	1398.1	1378.5	1417.8	1476.9	1437.5	1378.5	1358.8	1358.8	1378.5	1378.5
45°	1378.5	1358.8	1339.1	1319.4	1398.1	1339.1	1319.4	1299.7	1299.7	1299.7	1319.4
47.5°	1319.4	1299.7	1260.3	1260.3	1280.0	1260.3	1240.6	1240.6	1240.6	1280.0	1280.0
50°	1280.0	1260.3	1220.9	1220.9	1220.9	1220.9	1201.2	1201.2	1201.2	1220.9	1240.6
52.5°	1220.9	1201.2	1181.5	1161.8	1161.8	1161.8	1161.8	1161.8	1161.8	1181.5	1201.2
55°	1161.8	1142.1	1122.5	1122.5	1142.1	1142.1	1122.5	1142.1	1122.5	1142.1	1161.8
57.5°	1102.8	1083.1	1063.4	1083.1	1102.8	1083.1	1083.1	1083.1	1083.1	1083.1	1102.8
60°	1024.0	1024.0	1024.0	1024.0	1063.4	1063.4	1063.4	1063.4	1024.0	1043.7	1063.4
62.5°	984.6	964.9	964.9	984.6	1004.3	1004.3	1024.0	1004.3	984.6	1004.3	1004.3
65°	905.8	905.8	905.8	925.5	925.5	945.2	945.2	945.2	925.5	945.2	945.2
67.5°	846.8	846.8	846.8	846.8	886.1	886.1	886.1	886.1	866.5	866.5	886.1
70°	748.3	768.0	748.3	787.7	827.1	807.4	827.1	827.1	807.4	787.7	827.1
72.5°	689.2	689.2	689.2	689.2	748.3	748.3	748.3	768.0	748.3	728.6	748.3
75°	610.5	610.5	610.5	630.1	669.5	669.5	669.5	669.5	669.5	649.8	649.8
77.5°	531.7	551.4	531.7	551.4	590.8	571.1	590.8	610.5	590.8	571.1	571.1
80°	452.9	452.9	452.9	472.6	492.3	492.3	492.3	512.0	492.3	472.6	472.6
82.5°	354.5	354.5	374.2	374.2	393.8	393.8	393.8	413.5	393.8	374.2	374.2
85°	275.7	275.7	275.7	295.4	295.4	315.1	315.1	334.8	334.8	315.1	315.1
87.5°	177.2	157.5	177.2	177.2	196.9	196.9	177.2	157.5	177.2	157.5	137.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P598949  
 CATALOG NUMBER: IFLD-S-SA6E-735-U-SLL

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4	14178.4
2.5°	12937.7	13292.2	13548.2	13725.4	13981.4	14473.7	14670.7	15025.1	15123.6	15182.7
5°	11126.1	11500.2	12051.6	12445.4	12898.4	13823.9	14532.8	15064.5	15300.8	15517.4
7.5°	8723.6	9215.9	9787.0	10299.0	11047.3	12189.4	13115.0	14217.7	14631.3	14847.9
10°	6813.5	7266.4	7896.6	8526.7	9570.4	10535.3	11854.7	12859.0	13430.0	13587.6
12.5°	5750.1	6281.8	7030.1	7798.1	8447.9	9550.7	10889.8	12347.0	12878.7	12977.1
15°	4883.7	5612.3	6380.3	7167.9	7916.2	8881.2	10318.7	12091.0	12878.7	12977.1
17.5°	4036.9	4686.7	5592.6	6439.3	7305.8	8625.2	10417.1	12307.6	13095.3	13390.7
20°	3209.8	3840.0	4548.9	5612.3	6793.8	8191.9	10633.8	13036.2	14079.9	14395.0
22.5°	2658.4	2934.1	3623.4	4647.3	6045.5	7896.6	10850.4	14178.4	15281.1	15399.3
25°	2323.7	2520.6	2953.8	3918.7	5454.7	7699.6	11362.4	15497.7	16915.6	16915.6
27.5°	2166.1	2244.9	2540.3	3406.7	5041.2	7522.4	11874.4	16954.9	18274.3	18550.0
30°	2126.8	2323.7	2481.2	3032.6	4588.3	7030.1	12347.0	18097.1	19455.8	19475.5
32.5°	2087.4	2048.0	2166.1	2638.7	4036.9	6518.1	12740.8	19258.9	20322.3	20381.4
35°	1634.4	1713.2	1910.1	2323.7	3623.4	6144.0	12937.7	19889.1	21425.1	21484.1
37.5°	1536.0	1634.4	1792.0	2146.4	3347.7	5828.9	12996.8	21110.0	22586.9	22705.1
40°	1496.6	1575.4	1693.5	1988.9	3131.1	5435.0	13115.0	22370.3	24300.1	24142.6
42.5°	1417.8	1516.3	1634.4	1910.1	2953.8	5139.7	13134.7	23059.5	25206.0	25206.0
45°	1398.1	1457.2	1595.1	1910.1	2756.9	4883.7	12819.6	23748.7	26249.6	25934.6
47.5°	1319.4	1437.5	1555.7	1851.1	2520.6	4627.7	12445.4	24103.2	26387.5	26289.0
50°	1299.7	1417.8	1614.8	1752.6	2382.8	4509.5	12366.7	24989.3	26663.2	26643.5
52.5°	1260.3	1378.5	1673.8	1673.8	2205.5	4352.0	12740.8	25383.2	26722.3	26879.8
55°	1201.2	1378.5	1555.7	1536.0	2048.0	4155.0	13154.4	26407.2	27765.9	27726.6
57.5°	1161.8	1339.1	1476.9	1398.1	1870.8	4017.2	13764.8	27391.8	29026.2	28750.5
60°	1102.8	1339.1	1319.4	1299.7	1732.9	3899.0	14276.8	27588.7	29301.9	29479.2
62.5°	1063.4	1398.1	1161.8	1201.2	1614.8	3840.0	14060.2	26111.8	28927.8	29085.3
65°	1024.0	1201.2	1063.4	1102.8	1575.4	3721.8	13213.4	24339.5	27313.0	28002.2
67.5°	945.2	984.6	984.6	1024.0	1536.0	3446.1	11480.5	21149.4	24851.5	25225.6
70°	866.5	886.1	886.1	945.2	1496.6	3131.1	9471.9	18294.0	21562.9	22271.8
72.5°	787.7	787.7	787.7	866.5	1378.5	2875.1	7798.1	14060.2	17919.9	18412.2
75°	689.2	689.2	689.2	768.0	1240.6	2619.1	6144.0	10456.5	13193.7	13902.7
77.5°	610.5	610.5	590.8	689.2	1083.1	2126.8	4430.7	7384.6	9294.7	9885.5
80°	512.0	492.3	492.3	551.4	846.8	1536.0	2855.4	5218.4	6478.7	6734.7
82.5°	413.5	393.8	374.2	413.5	610.5	964.9	1772.3	3643.0	4155.0	3997.5
85°	393.8	413.5	334.8	315.1	433.2	630.1	1122.5	2244.9	1870.8	1870.8
87.5°	157.5	137.8	137.8	118.2	216.6	236.3	492.3	413.5	315.1	315.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)