

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: P598944

Luminaire Tested: **IFLD-S-SA3E-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: P598944
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA3E-735-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (48) 3500K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

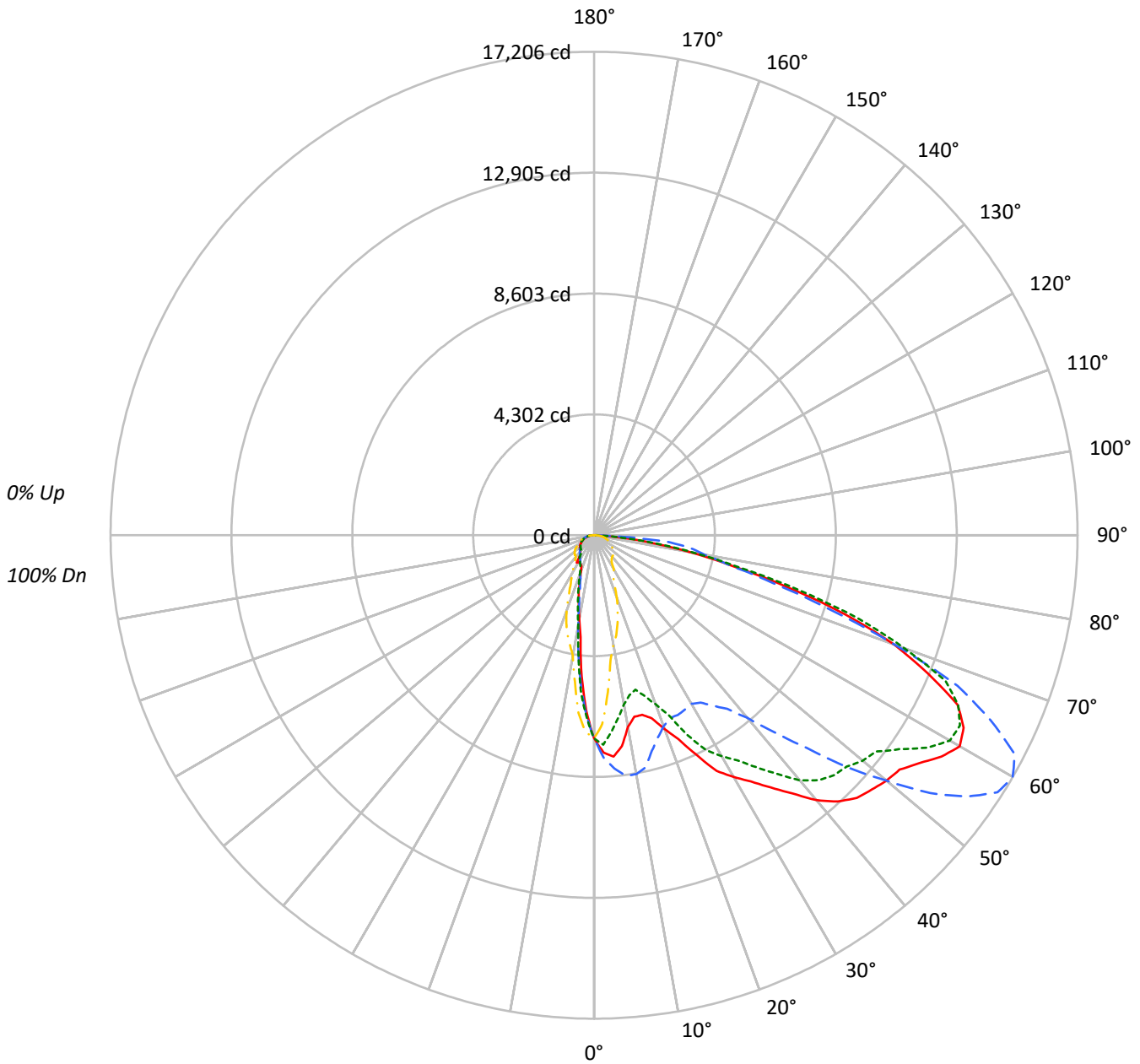
Lumens per Lamp: N/A
 Luminaire Lumens: 22629.3 lumens
 Efficiency: N/A
 Efficacy: 97.5 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 232.1
 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°	103731	103731	103731	103731
5°	113961	101235	72600	79253
10°	100942	89092	44035	47252
15°	98291	84570	31172	32366
20°	112074	97816	20391	22537
25°	136550	123992	17804	18441
30°	164528	150387	18466	17136
35°	191882	176581	15301	14423
40°	230574	213272	14293	13542
45°	268334	245106	14465	13447
50°	303253	278599	14792	13897
55°	353660	332059	15321	14568
60°	431346	419534	15270	15270
65°	484761	485440	15682	16362
70°	476417	493265	16428	16848
75°	392990	419152	17256	18371
80°	283743	297851	19084	19910
85°	157045	168605	21489	26446

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.5	2.5
10°-20°	1185.5	5.2
20°-30°	1734.5	7.7
30°-40°	2443.8	10.8
40°-50°	3358.6	14.8
50°-60°	4577.3	20.2
60°-70°	5009.7	22.1
70°-80°	2892.3	12.8
80°-90°	866.1	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°	3481.5	15.4
0°-40°	5925.3	26.2
0°-60°	13861.2	61.3
0°-90°	22629.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22629.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7228	7228	7228	7228	7228	
5°	7910	7027	5039	5501	7910	718
15°	6615	5692	2098	2178	6615	1933
25°	8623	7830	1124	1164	8623	4038
35°	10952	10079	873	823	10952	6945
45°	13221	12076	713	662	13221	10161
55°	14134	13271	612	582	14134	12753
65°	14275	14295	462	482	14275	13662
75°	7087	7559	311	331	7087	7613
85°	954	1024	130	161	954	1323
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°	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7
2.5°	7739.6	7709.5	7739.6	7850.1	7880.2	7930.4	7930.4	7860.1	7729.6	7669.4	7569.0
5°	7910.3	7860.1	8111.1	8341.9	8522.6	8502.6	8331.9	8191.4	7930.4	7538.9	7167.4
7.5°	7569.0	7619.2	7799.9	8402.2	8823.8	8904.1	8633.1	8352.0	7789.8	7247.7	6745.8
10°	6926.5	6996.8	7388.3	8010.7	8673.2	8803.7	8633.1	8291.7	7619.2	6946.6	6364.4
12.5°	6615.3	6775.9	7006.8	7759.7	8231.5	8542.7	8462.4	8241.6	7488.7	6695.6	6133.5
15°	6615.3	6655.5	6996.8	7629.2	7900.2	7910.3	7940.4	7980.6	7528.8	6806.1	6053.2
17.5°	6826.1	6936.6	7227.7	7619.2	7669.4	7548.9	7548.9	7719.6	7609.1	7117.2	6344.3
20°	7338.1	7297.9	7679.4	7840.0	7569.0	7267.8	7237.7	7528.8	7699.5	7448.5	6876.3
22.5°	7850.1	8030.7	8341.9	7980.6	7478.6	7077.1	7036.9	7398.3	7970.5	8020.7	7488.7
25°	8623.0	8803.7	8964.3	8522.6	7468.6	7026.9	7057.0	7338.1	8301.8	8833.8	8512.6
27.5°	9456.2	9566.6	9797.5	9114.9	7709.5	6966.7	6996.8	7418.4	8613.0	9365.9	9315.7
30°	9928.0	10048.5	9998.3	9225.3	7870.1	7006.8	6926.5	7528.8	8442.3	9365.9	9837.7
32.5°	10389.8	10319.5	10289.4	9406.0	8070.9	7257.8	7057.0	7759.7	8542.7	9516.4	10510.2
35°	10951.9	10851.5	10771.2	9757.4	8402.2	7498.7	7408.4	8060.9	8763.6	9827.6	11052.3
37.5°	11574.3	11574.3	11182.8	10018.4	8793.7	7890.2	7789.8	8492.5	9114.9	10018.4	11795.2
40°	12307.1	12337.2	11644.6	10369.7	9235.4	8512.6	8482.5	9054.7	9456.2	10299.4	12507.9
42.5°	12849.2	12869.3	12046.1	10500.2	9747.3	9375.9	9506.4	9958.1	9847.7	10550.4	12558.1
45°	13220.6	13120.2	12327.2	10871.6	10309.5	10670.9	10711.0	10841.5	10359.7	10701.0	12758.8
47.5°	13401.3	13381.2	12447.7	11303.3	11494.0	11985.9	12216.8	12036.1	10831.5	10540.4	12758.8
50°	13582.0	13411.3	12558.1	11895.5	12648.4	13642.2	13592.0	13260.8	11484.0	10741.1	12568.1
52.5°	13702.5	13551.9	12778.9	12427.6	13752.7	14877.0	15077.7	14465.4	12246.9	11112.5	12658.5
55°	14134.1	14013.7	13441.5	13150.3	15027.5	16182.0	16212.1	15358.8	13050.0	11724.9	13250.7
57.5°	14656.1	14726.4	14355.0	14174.3	16001.3	17135.6	17025.2	16021.3	13732.6	12467.7	13933.3
60°	15027.5	15138.0	15047.6	15067.7	16483.1	17456.8	17205.9	16432.9	14234.5	13029.9	14766.5
62.5°	14826.8	15047.6	15419.0	15338.7	16503.2	17225.9	16874.6	15890.8	14294.7	13762.7	15399.0
65°	14274.7	14294.7	15017.5	15459.2	15599.7	16031.4	15569.6	14756.5	13672.3	14214.4	15308.6
67.5°	12859.2	13019.8	13672.3	14535.6	13943.4	14043.8	14003.6	12829.1	12728.7	13903.2	14616.0
70°	11353.5	11463.9	12176.6	13190.5	11775.1	11303.3	11393.6	10520.3	10931.9	12939.5	13220.6
72.5°	9385.9	9456.2	10269.3	11162.7	9446.2	8602.9	8813.7	8101.0	8683.2	11323.4	11152.7
75°	7087.1	7217.6	7850.1	8904.1	6956.6	6414.6	6625.4	6334.3	6876.3	9325.7	8653.1
77.5°	5039.3	4938.9	5721.9	6966.7	5230.0	4908.8	4928.9	4979.1	5561.3	7860.1	6213.8
80°	3433.1	3463.3	4165.9	5109.6	4105.7	4055.5	4005.3	4406.9	4667.9	6223.8	4517.3
82.5°	2037.8	2037.8	2810.8	3633.9	3242.4	3654.0	3423.1	3784.5	3654.0	4577.5	2961.3
85°	953.7	953.7	1445.5	2620.0	2509.6	3011.5	2559.8	2861.0	2700.3	3192.2	1335.1
87.5°	160.6	140.5	291.1	1284.9	1034.0	1174.5	461.8	1525.8	1696.5	2228.5	331.3
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°	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7
2.5°	7458.6	7388.3	7247.7	7067.1	6916.5	6725.7	6665.5	6535.0	6354.3	6334.3	6253.9
5°	7026.9	6786.0	6484.8	6113.4	5862.4	5601.4	5380.6	5250.1	5099.5	5079.4	5039.3
7.5°	6555.1	6253.9	5752.0	5310.3	4878.7	4467.1	4266.3	4015.4	3844.7	3714.2	3654.0
10°	6113.4	5832.3	5209.9	4607.6	4226.2	3955.1	3714.2	3453.2	3242.4	3081.8	3021.6
12.5°	5822.3	5491.0	4818.4	4246.3	3965.2	3654.0	3383.0	3101.9	2830.8	2620.0	2509.6
15°	5691.8	5380.6	4698.0	4065.6	3654.0	3222.3	2911.1	2630.1	2298.8	2148.2	2098.0
17.5°	6003.0	5541.2	4657.8	3854.8	3272.5	2780.6	2399.2	2098.0	1857.1	1706.5	1646.3
20°	6404.5	5832.3	4728.1	3603.8	2911.1	2359.0	1937.4	1616.2	1455.6	1345.1	1335.1
22.5°	6916.5	6264.0	4838.5	3423.1	2509.6	1897.3	1515.8	1325.1	1214.7	1204.6	1184.5
25°	7830.0	7047.0	5019.2	3182.2	2188.4	1566.0	1295.0	1184.5	1134.3	1104.2	1124.3
27.5°	8613.0	7558.9	5149.7	3031.6	2057.9	1475.6	1254.8	1134.3	1084.2	1074.1	1084.2
30°	9074.7	8030.7	5109.6	2750.5	1796.9	1405.4	1335.1	1295.0	1194.6	1114.3	1114.3
32.5°	9496.4	8331.9	5099.5	2499.6	1535.9	1174.5	1114.3	1084.2	1144.4	1184.5	1154.4
35°	10078.6	8803.7	5069.4	2359.0	1425.5	1084.2	983.8	903.5	863.3	843.2	873.3
37.5°	10701.0	9124.9	4989.1	2339.0	1365.2	1034.0	953.7	873.3	833.2	813.1	803.1
40°	11383.6	9466.2	4898.8	2238.6	1335.1	1003.8	923.5	853.3	803.1	773.0	762.9
42.5°	11825.3	9737.3	4808.4	2188.4	1274.9	983.8	893.4	833.2	783.0	742.8	742.8
45°	12076.2	10058.5	4718.1	2138.2	1204.6	993.8	893.4	813.1	752.9	732.8	712.7
47.5°	12186.7	10299.4	4687.9	2057.9	1144.4	953.7	873.3	793.0	732.8	692.7	682.6
50°	12477.8	10811.4	4798.4	1997.6	1074.1	913.5	923.5	783.0	722.8	672.6	662.5
52.5°	12648.4	11223.0	5039.3	1907.3	1023.9	863.3	903.5	762.9	692.7	642.5	642.5
55°	13270.8	11905.6	5300.3	1837.0	963.7	793.0	833.2	722.8	642.5	612.3	612.3
57.5°	14063.8	12628.3	5521.1	1806.9	923.5	742.8	742.8	702.7	612.3	572.2	562.2
60°	14616.0	13220.6	5651.6	1786.8	883.4	692.7	662.5	702.7	582.2	542.1	532.0
62.5°	14676.2	12879.3	5521.1	1776.8	873.3	642.5	602.3	672.6	552.1	512.0	491.9
65°	14294.7	12186.7	5159.8	1736.6	863.3	592.3	562.2	582.2	512.0	481.8	461.8
67.5°	13531.8	11062.4	4637.8	1716.6	853.3	552.1	512.0	501.9	471.8	441.7	421.6
70°	11755.0	9596.7	4025.4	1626.2	833.2	522.0	461.8	451.7	421.6	401.5	391.5
72.5°	9867.8	7850.1	3322.7	1505.8	793.0	471.8	421.6	401.5	391.5	361.4	351.3
75°	7558.9	6043.1	2660.2	1335.1	692.7	421.6	371.4	351.3	341.3	321.2	311.2
77.5°	5310.3	4497.2	1967.5	1084.2	582.2	381.5	331.3	311.2	301.2	271.0	271.0
80°	3603.8	3152.1	1335.1	752.9	451.7	311.2	291.1	271.0	251.0	230.9	230.9
82.5°	2238.6	2208.5	963.7	491.9	331.3	251.0	230.9	230.9	200.8	180.7	180.7
85°	1023.9	1355.2	672.6	341.3	251.0	190.7	190.7	180.7	160.6	130.5	130.5
87.5°	321.2	451.7	351.3	150.6	140.5	110.4	110.4	100.4	100.4	80.3	80.3
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°	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7
2.5°	6334.3	6324.2	6324.2	6284.1	6384.4	6384.4	6444.7	6394.5	6424.6	6434.6	6514.9
5°	5029.3	5109.6	5169.8	5290.3	5360.5	5390.6	5390.6	5470.9	5440.8	5501.1	5621.5
7.5°	3684.1	3784.5	3965.2	4115.8	4236.2	4276.4	4266.3	4286.4	4316.5	4246.3	4266.3
10°	2981.4	2911.1	2971.4	3111.9	3222.3	3352.8	3252.5	3242.4	3272.5	3242.4	3302.6
12.5°	2489.5	2409.2	2359.0	2359.0	2439.3	2499.6	2469.5	2519.6	2630.1	2660.2	2730.5
15°	2017.7	1947.5	1907.3	1857.1	1937.4	1957.5	1987.6	2057.9	2138.2	2178.3	2258.6
17.5°	1616.2	1616.2	1616.2	1576.0	1606.1	1636.3	1646.3	1736.6	1746.7	1786.8	1817.0
20°	1325.1	1355.2	1405.4	1425.5	1455.6	1455.6	1435.5	1485.7	1445.5	1475.6	1495.7
22.5°	1194.6	1234.7	1254.8	1264.8	1305.0	1315.0	1264.8	1274.9	1284.9	1254.8	1264.8
25°	1124.3	1144.4	1124.3	1134.3	1144.4	1124.3	1134.3	1154.4	1144.4	1164.5	1154.4
27.5°	1094.2	1074.1	1064.1	1054.0	1054.0	1034.0	1044.0	1044.0	1064.1	1074.1	1074.1
30°	1094.2	1064.1	1023.9	993.8	993.8	963.7	983.8	1003.8	1013.9	1034.0	1034.0
32.5°	1124.3	1064.1	993.8	963.7	933.6	913.5	933.6	963.7	1003.8	1013.9	1023.9
35°	893.4	923.5	913.5	873.3	863.3	863.3	853.3	853.3	823.2	823.2	813.1
37.5°	803.1	793.0	813.1	823.2	833.2	803.1	803.1	762.9	752.9	762.9	762.9
40°	752.9	752.9	752.9	783.0	793.0	773.0	742.8	722.8	722.8	722.8	732.8
42.5°	732.8	712.7	702.7	722.8	752.9	732.8	702.7	692.7	692.7	702.7	702.7
45°	702.7	692.7	682.6	672.6	712.7	682.6	672.6	662.5	662.5	662.5	672.6
47.5°	672.6	662.5	642.5	642.5	652.5	642.5	632.4	632.4	632.4	652.5	652.5
50°	652.5	642.5	622.4	622.4	622.4	622.4	612.3	612.3	612.3	622.4	632.4
52.5°	622.4	612.3	602.3	592.3	592.3	592.3	592.3	592.3	592.3	602.3	612.3
55°	592.3	582.2	572.2	572.2	582.2	582.2	572.2	582.2	572.2	582.2	592.3
57.5°	562.2	552.1	542.1	552.1	562.2	552.1	552.1	552.1	552.1	552.1	562.2
60°	522.0	522.0	522.0	522.0	542.1	542.1	542.1	542.1	522.0	532.0	542.1
62.5°	501.9	491.9	491.9	501.9	512.0	512.0	522.0	512.0	501.9	512.0	512.0
65°	461.8	461.8	461.8	471.8	471.8	481.8	481.8	481.8	471.8	481.8	481.8
67.5°	431.7	431.7	431.7	431.7	451.7	451.7	451.7	451.7	441.7	441.7	451.7
70°	381.5	391.5	381.5	401.5	421.6	411.6	421.6	421.6	411.6	401.5	421.6
72.5°	351.3	351.3	351.3	351.3	381.5	381.5	381.5	391.5	381.5	371.4	381.5
75°	311.2	311.2	311.2	321.2	341.3	341.3	341.3	341.3	341.3	331.3	331.3
77.5°	271.0	281.1	271.0	281.1	301.2	291.1	301.2	311.2	301.2	291.1	291.1
80°	230.9	230.9	230.9	240.9	251.0	251.0	251.0	261.0	251.0	240.9	240.9
82.5°	180.7	180.7	190.7	190.7	200.8	200.8	200.8	210.8	200.8	190.7	190.7
85°	140.5	140.5	140.5	150.6	150.6	160.6	160.6	170.7	170.7	160.6	160.6
87.5°	90.3	80.3	90.3	90.3	100.4	100.4	90.3	80.3	90.3	80.3	70.3
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: P598944
 CATALOG NUMBER: IFLD-S-SA3E-735-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7	7227.7
2.5°	6595.2	6775.9	6906.4	6996.8	7127.3	7378.2	7478.6	7659.3	7709.5	7739.6
5°	5671.7	5862.4	6143.5	6344.3	6575.2	7047.0	7408.4	7679.4	7799.9	7910.3
7.5°	4447.0	4698.0	4989.1	5250.1	5631.6	6213.8	6685.6	7247.7	7458.6	7569.0
10°	3473.3	3704.2	4025.4	4346.6	4878.7	5370.6	6043.1	6555.1	6846.2	6926.5
12.5°	2931.2	3202.3	3583.7	3975.2	4306.5	4868.6	5551.3	6294.1	6565.1	6615.3
15°	2489.5	2861.0	3252.5	3654.0	4035.4	4527.3	5260.1	6163.6	6565.1	6615.3
17.5°	2057.9	2389.1	2850.9	3282.6	3724.3	4396.8	5310.3	6274.0	6675.6	6826.1
20°	1636.3	1957.5	2318.9	2861.0	3463.3	4176.0	5420.8	6645.4	7177.5	7338.1
22.5°	1355.2	1495.7	1847.1	2369.1	3081.8	4025.4	5531.2	7227.7	7789.8	7850.1
25°	1184.5	1284.9	1505.8	1997.6	2780.6	3925.0	5792.2	7900.2	8623.0	8623.0
27.5°	1104.2	1144.4	1295.0	1736.6	2569.8	3834.7	6053.2	8643.1	9315.7	9456.2
30°	1084.2	1184.5	1264.8	1545.9	2339.0	3583.7	6294.1	9225.3	9918.0	9928.0
32.5°	1064.1	1044.0	1104.2	1345.1	2057.9	3322.7	6494.9	9817.6	10359.7	10389.8
35°	833.2	873.3	973.7	1184.5	1847.1	3132.0	6595.2	10138.8	10921.8	10951.9
37.5°	783.0	833.2	913.5	1094.2	1706.5	2971.4	6625.4	10761.2	11514.1	11574.3
40°	762.9	803.1	863.3	1013.9	1596.1	2770.6	6685.6	11403.7	12387.4	12307.1
42.5°	722.8	773.0	833.2	973.7	1505.8	2620.0	6695.6	11755.0	12849.2	12849.2
45°	712.7	742.8	813.1	973.7	1405.4	2489.5	6535.0	12106.3	13381.2	13220.6
47.5°	672.6	732.8	793.0	943.6	1284.9	2359.0	6344.3	12287.0	13451.5	13401.3
50°	662.5	722.8	823.2	893.4	1214.7	2298.8	6304.1	12738.8	13592.0	13582.0
52.5°	642.5	702.7	853.3	853.3	1124.3	2218.5	6494.9	12939.5	13622.2	13702.5
55°	612.3	702.7	793.0	783.0	1044.0	2118.1	6705.7	13461.5	14154.2	14134.1
57.5°	592.3	682.6	752.9	712.7	953.7	2047.8	7016.9	13963.5	14796.6	14656.1
60°	562.2	682.6	672.6	662.5	883.4	1987.6	7277.9	14063.8	14937.2	15027.5
62.5°	542.1	712.7	592.3	612.3	823.2	1957.5	7167.4	13311.0	14746.5	14826.8
65°	522.0	612.3	542.1	562.2	803.1	1897.3	6735.8	12407.5	13923.3	14274.7
67.5°	481.8	501.9	501.9	522.0	783.0	1756.7	5852.4	10781.3	12668.5	12859.2
70°	441.7	451.7	451.7	481.8	762.9	1596.1	4828.5	9325.7	10992.1	11353.5
72.5°	401.5	401.5	401.5	441.7	702.7	1465.6	3975.2	7167.4	9135.0	9385.9
75°	351.3	351.3	351.3	391.5	632.4	1335.1	3132.0	5330.4	6725.7	7087.1
77.5°	311.2	311.2	301.2	351.3	552.1	1084.2	2258.6	3764.4	4738.1	5039.3
80°	261.0	251.0	251.0	281.1	431.7	783.0	1455.6	2660.2	3302.6	3433.1
82.5°	210.8	200.8	190.7	210.8	311.2	491.9	903.5	1857.1	2118.1	2037.8
85°	200.8	210.8	170.7	160.6	220.8	321.2	572.2	1144.4	953.7	953.7
87.5°	80.3	70.3	70.3	60.2	110.4	120.5	251.0	210.8	160.6	160.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)