

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: P599065

Luminaire Tested: **IFLD-S-SA6E-827-U-SLL**

Issue Date: 05/03/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599065
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/03/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA6E-827-U-SLL
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens
 Light Source: (96) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

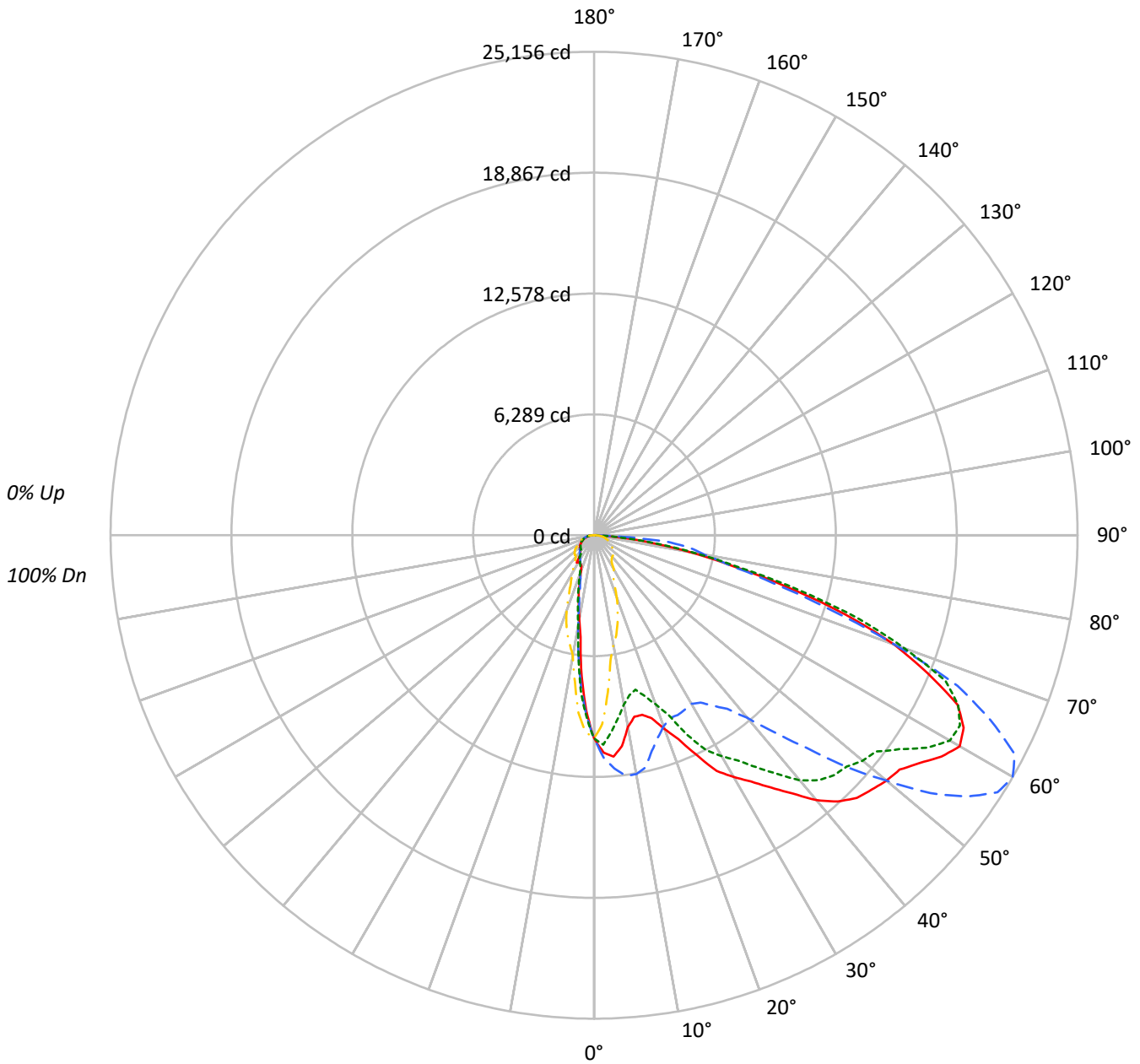
Lumens per Lamp: N/A
 Luminaire Lumens: 33085.4 lumens
 Efficiency: N/A
 Efficacy: 71.3 lumens/watt
 Spacing Criteria (0/90/45): 1.12 / 0.52 / 0.8
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 CIE Type: Direct

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°	75830	75830	75830	75830
5°	83309	74005	53072	57936
10°	73792	65129	32190	34543
15°	71854	61823	22788	23661
20°	81929	71506	14906	16476
25°	99822	90642	13015	13480
30°	120275	109938	13499	12526
35°	140272	129086	11186	10543
40°	168557	155908	10449	9899
45°	196160	179181	10576	9831
50°	221687	203663	10814	10159
55°	258536	242745	11201	10651
60°	315327	306691	11164	11164
65°	354374	354871	11463	11962
70°	348273	360591	12010	12318
75°	287288	306414	12615	13428
80°	207429	217739	13951	14555
85°	114799	123255	15709	19332

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.9	2.5
10°-20°	1733.3	5.2
20°-30°	2536.0	7.7
30°-40°	3573.0	10.8
40°-50°	4910.4	14.8
50°-60°	6692.3	20.2
60°-70°	7324.4	22.1
70°-80°	4228.7	12.8
80°-90°	1266.3	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°	5090.2	15.4
0°-40°	8663.2	26.2
0°-60°	20265.9	61.3
0°-90°	33085.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33085.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10567	10567	10567	10567	10567	
5°	11565	10274	7368	8043	11565	1050
15°	9672	8322	3067	3185	9672	2826
25°	12607	11448	1644	1702	12607	5904
35°	16012	14736	1277	1204	16012	10153
45°	19329	17656	1042	969	19329	14856
55°	20665	19403	895	851	20665	18646
65°	20870	20900	675	704	20870	19975
75°	10362	11052	455	484	10362	11131
85°	1394	1497	191	235	1394	1935
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°	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3
2.5°	11315.8	11271.8	11315.8	11477.2	11521.3	11594.7	11594.7	11491.9	11301.1	11213.1	11066.3
5°	11565.3	11491.9	11858.8	12196.4	12460.6	12431.2	12181.7	11976.2	11594.7	11022.3	10479.2
7.5°	11066.3	11139.7	11403.9	12284.5	12900.9	13018.3	12622.0	12211.1	11389.2	10596.6	9862.8
10°	10127.0	10229.7	10802.1	11712.1	12680.7	12871.5	12622.0	12123.0	11139.7	10156.3	9305.1
12.5°	9672.0	9906.8	10244.4	11345.1	12035.0	12489.9	12372.5	12049.6	10948.9	9789.4	8967.5
15°	9672.0	9730.7	10229.7	11154.3	11550.6	11565.3	11609.3	11668.0	11007.6	9950.9	8850.1
17.5°	9980.2	10141.7	10567.3	11139.7	11213.1	11036.9	11036.9	11286.4	11125.0	10405.8	9275.7
20°	10728.7	10670.0	11227.7	11462.6	11066.3	10626.0	10582.0	11007.6	11257.1	10890.2	10053.6
22.5°	11477.2	11741.4	12196.4	11668.0	10934.2	10347.1	10288.4	10816.8	11653.4	11726.7	10948.9
25°	12607.3	12871.5	13106.4	12460.6	10919.5	10273.7	10317.8	10728.7	12137.7	12915.6	12445.9
27.5°	13825.5	13987.0	14324.5	13326.5	11271.8	10185.7	10229.7	10846.1	12592.7	13693.4	13620.0
30°	14515.3	14691.5	14618.1	13488.0	11506.6	10244.4	10127.0	11007.6	12343.2	13693.4	14383.2
32.5°	15190.5	15087.7	15043.7	13752.1	11800.1	10611.3	10317.8	11345.1	12489.9	13913.6	15366.6
35°	16012.4	15865.6	15748.2	14265.8	12284.5	10963.6	10831.5	11785.4	12812.8	14368.6	16159.1
37.5°	16922.3	16922.3	16349.9	14647.4	12856.9	11535.9	11389.2	12416.6	13326.5	14647.4	17245.2
40°	17993.7	18037.8	17025.1	15161.1	13502.6	12445.9	12401.9	13238.5	13825.5	15058.4	18287.3
42.5°	18786.3	18815.6	17612.1	15351.9	14251.1	13708.1	13898.9	14559.4	14397.9	15425.3	18360.6
45°	19329.3	19182.5	18023.1	15894.9	15073.0	15601.4	15660.1	15850.9	15146.4	15645.4	18654.2
47.5°	19593.5	19564.1	18199.2	16526.0	16804.9	17524.1	17861.6	17597.5	15836.2	15410.6	18654.2
50°	19857.7	19608.2	18360.6	17392.0	18492.7	19945.7	19872.4	19388.0	16790.2	15704.1	18375.3
52.5°	20033.8	19813.6	18683.5	18169.8	20107.2	21751.0	22044.5	21149.2	17905.7	16247.2	18507.4
55°	20664.9	20488.8	19652.2	19226.6	21971.1	23659.0	23703.0	22455.5	19079.8	17142.5	19373.3
57.5°	21428.1	21530.8	20987.8	20723.6	23394.8	25053.3	24891.8	23424.1	20077.8	18228.6	20371.4
60°	21971.1	22132.6	22000.5	22029.8	24099.3	25522.9	25156.0	24025.9	20811.7	19050.5	21589.5
62.5°	21677.6	22000.5	22543.5	22426.1	24128.6	25185.3	24671.7	23233.3	20899.7	20121.9	22514.2
65°	20870.4	20899.7	21956.5	22602.2	22807.7	23438.8	22763.7	21574.9	19989.8	20782.3	22382.1
67.5°	18800.9	19035.8	19989.8	21252.0	20386.0	20532.8	20474.1	18756.9	18610.1	20327.3	21369.4
70°	16599.4	16760.9	17802.9	19285.3	17215.9	16526.0	16658.1	15381.3	15983.0	18918.4	19329.3
72.5°	13722.8	13825.5	15014.3	16320.6	13810.8	12578.0	12886.2	11844.2	12695.4	16555.4	16305.9
75°	10361.8	10552.6	11477.2	13018.3	10171.0	9378.5	9686.7	9261.0	10053.6	13634.7	12651.4
77.5°	7367.7	7221.0	8365.8	10185.7	7646.6	7176.9	7206.3	7279.7	8130.9	11491.9	9084.9
80°	5019.5	5063.5	6090.9	7470.5	6002.8	5929.4	5856.0	6443.1	6824.7	9099.6	6604.5
82.5°	2979.4	2979.4	4109.5	5313.0	4740.6	5342.3	5004.8	5533.1	5342.3	6692.6	4329.6
85°	1394.3	1394.3	2113.5	3830.6	3669.2	4403.0	3742.6	4182.9	3948.1	4667.2	1952.0
87.5°	234.8	205.5	425.6	1878.6	1511.7	1717.2	675.1	2230.9	2480.4	3258.2	484.3
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°	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3
2.5°	10904.8	10802.1	10596.6	10332.4	10112.3	9833.4	9745.4	9554.6	9290.4	9261.0	9143.6
5°	10273.7	9921.5	9481.2	8938.2	8571.2	8189.6	7866.8	7676.0	7455.8	7426.4	7367.7
7.5°	9583.9	9143.6	8409.8	7764.0	7132.9	6531.2	6237.6	5870.7	5621.2	5430.4	5342.3
10°	8938.2	8527.2	7617.2	6736.6	6178.9	5782.6	5430.4	5048.8	4740.6	4505.8	4417.7
12.5°	8512.5	8028.2	7044.9	6208.3	5797.3	5342.3	4946.1	4535.1	4138.9	3830.6	3669.2
15°	8321.7	7866.8	6868.7	5944.1	5342.3	4711.2	4256.3	3845.3	3361.0	3140.8	3067.4
17.5°	8776.7	8101.6	6810.0	5635.9	4784.6	4065.5	3507.7	3067.4	2715.2	2495.1	2407.0
20°	9363.8	8527.2	6912.8	5269.0	4256.3	3449.0	2832.6	2363.0	2128.1	1966.7	1952.0
22.5°	10112.3	9158.3	7074.2	5004.8	3669.2	2773.9	2216.2	1937.3	1775.9	1761.2	1731.9
25°	11447.9	10303.1	7338.4	4652.5	3199.5	2289.6	1893.3	1731.9	1658.5	1614.4	1643.8
27.5°	12592.7	11051.6	7529.2	4432.4	3008.7	2157.5	1834.6	1658.5	1585.1	1570.4	1585.1
30°	13267.8	11741.4	7470.5	4021.4	2627.1	2054.7	1952.0	1893.3	1746.5	1629.1	1629.1
32.5°	13884.2	12181.7	7455.8	3654.5	2245.5	1717.2	1629.1	1585.1	1673.2	1731.9	1687.8
35°	14735.5	12871.5	7411.8	3449.0	2084.1	1585.1	1438.3	1320.9	1262.2	1232.8	1276.9
37.5°	15645.4	13341.2	7294.4	3419.7	1996.0	1511.7	1394.3	1276.9	1218.2	1188.8	1174.1
40°	16643.5	13840.2	7162.3	3272.9	1952.0	1467.7	1350.3	1247.5	1174.1	1130.1	1115.4
42.5°	17289.2	14236.5	7030.2	3199.5	1864.0	1438.3	1306.2	1218.2	1144.8	1086.1	1086.1
45°	17656.2	14706.1	6898.1	3126.2	1761.2	1453.0	1306.2	1188.8	1100.8	1071.4	1042.1
47.5°	17817.6	15058.4	6854.1	3008.7	1673.2	1394.3	1276.9	1159.5	1071.4	1012.7	998.0
50°	18243.2	15806.9	7015.5	2920.7	1570.4	1335.6	1350.3	1144.8	1056.7	983.3	968.7
52.5°	18492.7	16408.6	7367.7	2788.6	1497.0	1262.2	1320.9	1115.4	1012.7	939.3	939.3
55°	19402.7	17406.7	7749.3	2685.8	1409.0	1159.5	1218.2	1056.7	939.3	895.3	895.3
57.5°	20562.2	18463.4	8072.2	2641.8	1350.3	1086.1	1086.1	1027.4	895.3	836.6	821.9
60°	21369.4	19329.3	8263.0	2612.5	1291.6	1012.7	968.7	1027.4	851.3	792.5	777.9
62.5°	21457.4	18830.3	8072.2	2597.8	1276.9	939.3	880.6	983.3	807.2	748.5	719.2
65°	20899.7	17817.6	7543.9	2539.1	1262.2	865.9	821.9	851.3	748.5	704.5	675.1
67.5°	19784.3	16173.8	6780.7	2509.7	1247.5	807.2	748.5	733.8	689.8	645.8	616.4
70°	17186.5	14031.0	5885.4	2377.6	1218.2	763.2	675.1	660.5	616.4	587.1	572.4
72.5°	14427.3	11477.2	4858.0	2201.5	1159.5	689.8	616.4	587.1	572.4	528.4	513.7
75°	11051.6	8835.4	3889.3	1952.0	1012.7	616.4	543.0	513.7	499.0	469.7	455.0
77.5°	7764.0	6575.2	2876.6	1585.1	851.3	557.7	484.3	455.0	440.3	396.3	396.3
80°	5269.0	4608.5	1952.0	1100.8	660.5	455.0	425.6	396.3	366.9	337.6	337.6
82.5°	3272.9	3228.9	1409.0	719.2	484.3	366.9	337.6	337.6	293.5	264.2	264.2
85°	1497.0	1981.4	983.3	499.0	366.9	278.9	278.9	264.2	234.8	190.8	190.8
87.5°	469.7	660.5	513.7	220.2	205.5	161.4	161.4	146.8	146.8	117.4	117.4
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°	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3
2.5°	9261.0	9246.4	9246.4	9187.7	9334.4	9334.4	9422.5	9349.1	9393.1	9407.8	9525.2
5°	7353.1	7470.5	7558.5	7734.7	7837.4	7881.4	7881.4	7998.8	7954.8	8042.9	8219.0
7.5°	5386.4	5533.1	5797.3	6017.5	6193.6	6252.3	6237.6	6267.0	6311.0	6208.3	6237.6
10°	4359.0	4256.3	4344.3	4549.8	4711.2	4902.0	4755.3	4740.6	4784.6	4740.6	4828.7
12.5°	3639.8	3522.4	3449.0	3449.0	3566.5	3654.5	3610.5	3683.9	3845.3	3889.3	3992.1
15°	2950.0	2847.3	2788.6	2715.2	2832.6	2862.0	2906.0	3008.7	3126.2	3184.9	3302.3
17.5°	2363.0	2363.0	2363.0	2304.3	2348.3	2392.3	2407.0	2539.1	2553.8	2612.5	2656.5
20°	1937.3	1981.4	2054.7	2084.1	2128.1	2128.1	2098.8	2172.2	2113.5	2157.5	2186.8
22.5°	1746.5	1805.2	1834.6	1849.3	1908.0	1922.7	1849.3	1864.0	1878.6	1834.6	1849.3
25°	1643.8	1673.2	1643.8	1658.5	1673.2	1643.8	1658.5	1687.8	1673.2	1702.5	1687.8
27.5°	1599.8	1570.4	1555.7	1541.1	1541.1	1511.7	1526.4	1526.4	1555.7	1570.4	1570.4
30°	1599.8	1555.7	1497.0	1453.0	1453.0	1409.0	1438.3	1467.7	1482.4	1511.7	1511.7
32.5°	1643.8	1555.7	1453.0	1409.0	1364.9	1335.6	1364.9	1409.0	1467.7	1482.4	1497.0
35°	1306.2	1350.3	1335.6	1276.9	1262.2	1262.2	1247.5	1247.5	1203.5	1203.5	1188.8
37.5°	1174.1	1159.5	1188.8	1203.5	1218.2	1174.1	1174.1	1115.4	1100.8	1115.4	1115.4
40°	1100.8	1100.8	1100.8	1144.8	1159.5	1130.1	1086.1	1056.7	1056.7	1056.7	1071.4
42.5°	1071.4	1042.1	1027.4	1056.7	1100.8	1071.4	1027.4	1012.7	1012.7	1027.4	1027.4
45°	1027.4	1012.7	998.0	983.3	1042.1	998.0	983.3	968.7	968.7	968.7	983.3
47.5°	983.3	968.7	939.3	939.3	954.0	939.3	924.6	924.6	924.6	954.0	954.0
50°	954.0	939.3	910.0	910.0	910.0	910.0	895.3	895.3	895.3	910.0	924.6
52.5°	910.0	895.3	880.6	865.9	865.9	865.9	865.9	865.9	865.9	880.6	895.3
55°	865.9	851.3	836.6	836.6	851.3	851.3	836.6	851.3	836.6	851.3	865.9
57.5°	821.9	807.2	792.5	807.2	821.9	807.2	807.2	807.2	807.2	807.2	821.9
60°	763.2	763.2	763.2	763.2	792.5	792.5	792.5	792.5	763.2	777.9	792.5
62.5°	733.8	719.2	719.2	733.8	748.5	748.5	763.2	748.5	733.8	748.5	748.5
65°	675.1	675.1	675.1	689.8	689.8	704.5	704.5	704.5	689.8	704.5	704.5
67.5°	631.1	631.1	631.1	631.1	660.5	660.5	660.5	660.5	645.8	645.8	660.5
70°	557.7	572.4	557.7	587.1	616.4	601.7	616.4	616.4	601.7	587.1	616.4
72.5°	513.7	513.7	513.7	513.7	557.7	557.7	557.7	572.4	557.7	543.0	557.7
75°	455.0	455.0	455.0	469.7	499.0	499.0	499.0	499.0	499.0	484.3	484.3
77.5°	396.3	410.9	396.3	410.9	440.3	425.6	440.3	455.0	440.3	425.6	425.6
80°	337.6	337.6	337.6	352.2	366.9	366.9	366.9	381.6	366.9	352.2	352.2
82.5°	264.2	264.2	278.9	278.9	293.5	293.5	293.5	308.2	293.5	278.9	278.9
85°	205.5	205.5	205.5	220.2	220.2	234.8	234.8	249.5	249.5	234.8	234.8
87.5°	132.1	117.4	132.1	132.1	146.8	146.8	132.1	117.4	132.1	117.4	102.7
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: P599065
 CATALOG NUMBER: IFLD-S-SA6E-827-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3	10567.3
2.5°	9642.6	9906.8	10097.6	10229.7	10420.5	10787.4	10934.2	11198.4	11271.8	11315.8
5°	8292.4	8571.2	8982.2	9275.7	9613.3	10303.1	10831.5	11227.7	11403.9	11565.3
7.5°	6501.8	6868.7	7294.4	7676.0	8233.7	9084.9	9774.7	10596.6	10904.8	11066.3
10°	5078.2	5415.7	5885.4	6355.0	7132.9	7852.1	8835.4	9583.9	10009.6	10127.0
12.5°	4285.6	4681.9	5239.6	5812.0	6296.3	7118.2	8116.3	9202.3	9598.6	9672.0
15°	3639.8	4182.9	4755.3	5342.3	5900.1	6619.2	7690.6	9011.5	9598.6	9672.0
17.5°	3008.7	3493.1	4168.2	4799.3	5445.1	6428.4	7764.0	9173.0	9760.1	9980.2
20°	2392.3	2862.0	3390.3	4182.9	5063.5	6105.5	7925.5	9716.0	10493.9	10728.7
22.5°	1981.4	2186.8	2700.5	3463.7	4505.8	5885.4	8086.9	10567.3	11389.2	11477.2
25°	1731.9	1878.6	2201.5	2920.7	4065.5	5738.6	8468.5	11550.6	12607.3	12607.3
27.5°	1614.4	1673.2	1893.3	2539.1	3757.3	5606.5	8850.1	12636.7	13620.0	13825.5
30°	1585.1	1731.9	1849.3	2260.2	3419.7	5239.6	9202.3	13488.0	14500.7	14515.3
32.5°	1555.7	1526.4	1614.4	1966.7	3008.7	4858.0	9495.9	14353.9	15146.4	15190.5
35°	1218.2	1276.9	1423.6	1731.9	2700.5	4579.2	9642.6	14823.5	15968.3	16012.4
37.5°	1144.8	1218.2	1335.6	1599.8	2495.1	4344.3	9686.7	15733.5	16834.3	16922.3
40°	1115.4	1174.1	1262.2	1482.4	2333.6	4050.8	9774.7	16672.8	18111.1	17993.7
42.5°	1056.7	1130.1	1218.2	1423.6	2201.5	3830.6	9789.4	17186.5	18786.3	18786.3
45°	1042.1	1086.1	1188.8	1423.6	2054.7	3639.8	9554.6	17700.2	19564.1	19329.3
47.5°	983.3	1071.4	1159.5	1379.6	1878.6	3449.0	9275.7	17964.4	19666.9	19593.5
50°	968.7	1056.7	1203.5	1306.2	1775.9	3361.0	9217.0	18624.8	19872.4	19857.7
52.5°	939.3	1027.4	1247.5	1247.5	1643.8	3243.6	9495.9	18918.4	19916.4	20033.8
55°	895.3	1027.4	1159.5	1144.8	1526.4	3096.8	9804.1	19681.6	20694.3	20664.9
57.5°	865.9	998.0	1100.8	1042.1	1394.3	2994.1	10259.1	20415.4	21633.6	21428.1
60°	821.9	998.0	983.3	968.7	1291.6	2906.0	10640.7	20562.2	21839.0	21971.1
62.5°	792.5	1042.1	865.9	895.3	1203.5	2862.0	10479.2	19461.4	21560.2	21677.6
65°	763.2	895.3	792.5	821.9	1174.1	2773.9	9848.1	18140.5	20356.7	20870.4
67.5°	704.5	733.8	733.8	763.2	1144.8	2568.4	8556.6	15762.9	18522.1	18800.9
70°	645.8	660.5	660.5	704.5	1115.4	2333.6	7059.5	13634.7	16071.1	16599.4
72.5°	587.1	587.1	587.1	645.8	1027.4	2142.8	5812.0	10479.2	13355.9	13722.8
75°	513.7	513.7	513.7	572.4	924.6	1952.0	4579.2	7793.4	9833.4	10361.8
77.5°	455.0	455.0	440.3	513.7	807.2	1585.1	3302.3	5503.8	6927.4	7367.7
80°	381.6	366.9	366.9	410.9	631.1	1144.8	2128.1	3889.3	4828.7	5019.5
82.5°	308.2	293.5	278.9	308.2	455.0	719.2	1320.9	2715.2	3096.8	2979.4
85°	293.5	308.2	249.5	234.8	322.9	469.7	836.6	1673.2	1394.3	1394.3
87.5°	117.4	102.7	102.7	88.1	161.4	176.1	366.9	308.2	234.8	234.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)