

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: P599575

Luminaire Tested: **IFLD-S-SA2C-827-U-SLL-HSS**

Issue Date: 05/04/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P599575
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2C-827-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (32) 2700K CCT, 80 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

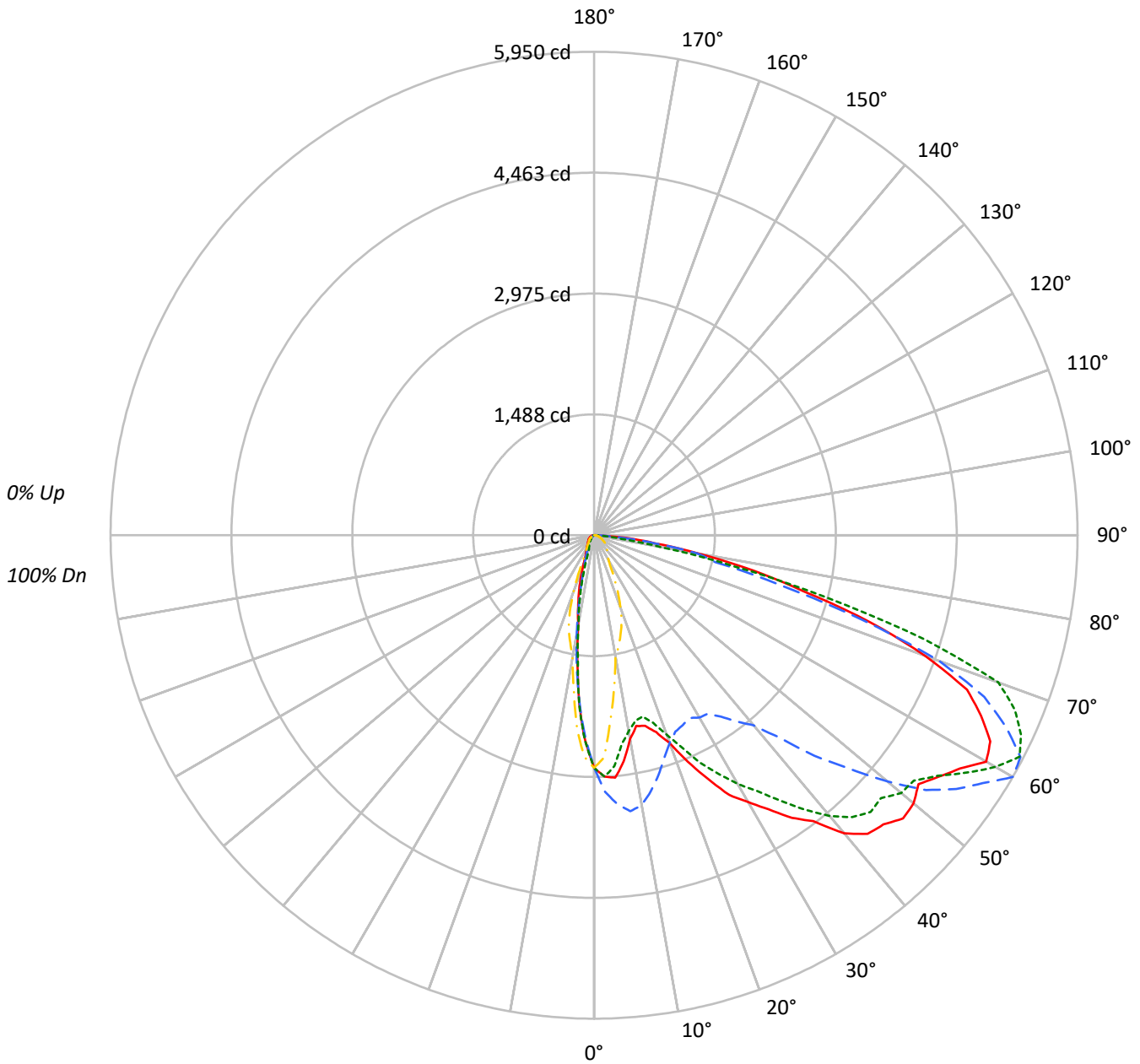
Lumens per Lamp: N/A
 Luminaire Lumens: 7609.9 lumens
 Efficiency: N/A
 Efficacy: 70.3 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 108.2
 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	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	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79				
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61				
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48				
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39				
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32				
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27				
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23				
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20				
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18				
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	61598	61598	61598	61598
5°	64731	61612	45014	45275
10°	55662	53528	24610	24033
15°	54122	51450	15987	12048
20°	62385	59778	8566	4284
25°	78438	73372	5551	3330
30°	94213	87797	4497	2727
35°	111567	104676	3685	2189
40°	134606	126723	3254	1655
45°	153248	146568	3032	1114
50°	171918	165250	2994	680
55°	194415	193732	2976	304
60°	239915	245598	2713	86
65°	267691	295228	2486	0
70°	272959	333202	2304	0
75°	222100	245764	2196	0
80°	161488	102787	2269	0
85°	104409	43176	3013	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.4	2.9
10°-20°	426.3	5.6
20°-30°	589.9	7.8
30°-40°	833.6	11.0
40°-50°	1135.0	14.9
50°-60°	1503.2	19.8
60°-70°	1745.4	22.9
70°-80°	988.4	13.0
80°-90°	170.8	2.2
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°	1233.5	16.2
0°-40°	2067.1	27.2
0°-60°	4705.3	61.8
0°-90°	7609.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7609.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2861	2861	2861	2861	2861	
5°	2995	2851	2083	2095	2995	269
15°	2428	2308	717	541	2428	712
25°	3302	3089	234	140	3302	1540
35°	4245	3983	140	83	4245	2676
45°	5034	4814	100	37	5034	3903
55°	5180	5162	79	8	5180	4693
65°	5255	5796	49	0	5255	5123
75°	2670	2955	26	0	2670	2914
85°	423	175	12	0	423	508
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3
2.5°	2973.0	3036.0	3038.1	3066.5	3095.0	3095.0	3162.0	3145.8	3086.8	3076.7	3034.0
5°	2995.4	3017.7	3034.0	3178.3	3300.2	3288.0	3324.6	3300.2	3186.4	3040.1	2940.5
7.5°	2802.3	2826.7	2891.7	3137.6	3302.2	3357.1	3426.2	3273.8	3153.9	2889.7	2698.7
10°	2546.3	2593.0	2712.9	2993.4	3196.6	3371.3	3371.3	3249.4	3017.7	2759.7	2526.0
12.5°	2404.0	2497.5	2562.5	2847.0	3111.2	3231.1	3227.1	3162.0	3011.6	2686.5	2422.3
15°	2428.4	2454.8	2593.0	2814.5	2989.3	2983.2	3056.4	3036.0	2930.4	2751.5	2460.9
17.5°	2540.2	2580.8	2700.7	2814.5	2897.8	2873.5	2871.4	2969.0	2975.1	2861.3	2605.2
20°	2723.1	2843.0	2899.9	2934.4	2832.8	2729.2	2717.0	2853.1	2958.8	3001.5	2777.9
22.5°	3015.7	3095.0	3210.8	3034.0	2769.8	2639.8	2615.4	2765.8	2979.1	3168.1	3001.5
25°	3302.2	3363.2	3475.0	3247.4	2840.9	2621.5	2578.8	2708.9	3056.4	3399.8	3271.8
27.5°	3605.0	3657.9	3670.1	3403.8	2879.6	2584.9	2534.1	2708.9	3121.4	3521.7	3594.9
30°	3790.0	3853.0	3865.1	3542.0	2942.6	2615.4	2591.0	2721.0	3166.1	3625.4	3826.5
32.5°	3997.2	4013.5	4003.3	3566.4	3011.6	2704.8	2603.2	2802.3	3216.9	3749.3	4037.9
35°	4245.2	4273.6	4170.0	3678.2	3166.1	2761.7	2725.1	2901.9	3304.3	3806.2	4293.9
37.5°	4434.1	4523.6	4289.9	3720.9	3196.6	2881.6	2887.7	3109.2	3365.2	3875.3	4576.4
40°	4789.8	4639.4	4493.1	3867.2	3312.4	3084.8	3052.3	3322.6	3570.5	3920.0	4761.3
42.5°	4984.9	4905.6	4572.3	3881.4	3491.2	3365.2	3373.4	3564.4	3678.2	4046.0	4812.1
45°	5033.6	4950.3	4680.0	3891.6	3668.0	3696.5	3836.7	3873.3	3836.7	4129.3	4907.6
47.5°	5157.6	4976.7	4667.8	4027.7	3954.6	4064.3	4243.1	4322.4	4052.1	4098.8	4952.3
50°	5133.2	5029.6	4641.4	4084.6	4304.1	4594.7	4714.6	4682.1	4291.9	4035.8	4903.6
52.5°	5031.6	4919.8	4722.7	4239.1	4631.3	4982.8	5149.5	5068.2	4505.3	4178.1	4871.1
55°	5179.9	5094.6	4828.4	4448.4	4877.2	5324.2	5442.1	5381.1	4767.4	4310.2	5056.0
57.5°	5340.5	5322.2	5114.9	4694.3	5167.8	5675.8	5675.8	5600.6	4995.0	4501.2	5330.3
60°	5572.2	5612.8	5326.3	4856.8	5267.3	5655.5	5950.1	5862.7	5224.7	4836.5	5641.2
62.5°	5497.0	5627.0	5598.6	5206.4	5381.1	5755.0	5915.6	5980.6	5509.2	5245.0	6055.8
65°	5255.1	5393.3	5596.5	5436.0	5295.8	5513.2	5594.5	5791.6	5651.4	5629.1	6226.5
67.5°	4966.6	5116.9	5242.9	5590.4	5123.0	5267.3	5196.2	5259.2	5497.0	6049.7	6324.0
70°	4336.6	4480.9	4680.0	5247.0	4665.8	4535.8	4517.5	4487.0	4856.8	5899.3	5881.0
72.5°	3566.4	3633.5	3962.7	4265.5	3452.6	3428.2	3456.7	3422.1	3850.9	5340.5	5037.7
75°	2670.2	2737.3	2924.3	3275.8	2351.2	2211.0	2373.5	2534.1	2940.5	4145.6	3619.3
77.5°	2007.8	2093.1	2211.0	2450.8	1725.3	1505.8	1528.2	1680.6	2125.6	3320.5	2028.1
80°	1302.6	1292.4	1520.0	1686.7	1298.5	1339.2	1282.3	1394.1	1540.4	1776.1	1036.4
82.5°	751.9	762.1	857.6	967.3	904.3	1034.4	745.8	1245.7	1099.4	723.4	386.1
85°	422.7	441.0	528.4	670.6	567.0	380.0	310.9	617.8	690.9	296.7	187.0
87.5°	42.7	36.6	71.1	254.0	154.4	63.0	93.5	148.3	166.6	111.8	54.9
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°	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3
2.5°	2973.0	2973.0	2922.2	2836.9	2802.3	2741.4	2658.1	2684.5	2656.0	2552.4	2526.0
5°	2851.1	2753.6	2647.9	2517.8	2442.6	2288.2	2239.4	2152.0	2166.3	2078.9	2083.0
7.5°	2597.1	2519.9	2341.0	2170.3	2022.0	1887.9	1698.9	1627.8	1558.7	1524.1	1564.8
10°	2448.7	2304.5	2060.6	1837.1	1639.9	1520.0	1394.1	1296.5	1207.1	1140.0	1125.8
12.5°	2341.0	2213.0	1918.3	1646.0	1491.6	1394.1	1278.2	1144.1	1056.7	940.9	906.3
15°	2308.5	2152.0	1841.1	1570.9	1420.5	1259.9	1127.8	995.8	882.0	760.0	717.3
17.5°	2420.3	2239.4	1839.1	1509.9	1298.5	1125.8	942.9	794.6	678.7	567.0	540.6
20°	2609.3	2332.9	1898.0	1473.3	1182.7	951.0	743.8	595.4	465.4	392.2	373.9
22.5°	2824.7	2491.4	1904.1	1375.8	1066.9	776.3	542.6	392.2	319.0	284.5	274.3
25°	3088.9	2745.4	1977.3	1296.5	930.7	589.3	386.1	300.8	258.1	237.8	233.7
27.5°	3306.3	2922.2	2056.5	1213.2	796.6	436.9	302.8	245.9	223.5	203.2	201.2
30°	3531.9	3125.4	2078.9	1162.4	680.8	359.7	260.1	217.4	193.1	182.9	180.9
32.5°	3729.0	3346.9	2150.0	1079.1	571.0	317.0	235.7	195.1	178.8	162.6	160.5
35°	3983.0	3475.0	2184.6	1034.4	530.4	286.5	215.4	178.8	154.4	144.3	140.2
37.5°	4255.3	3598.9	2206.9	999.8	495.8	268.2	203.2	168.7	146.3	132.1	128.0
40°	4509.3	3773.7	2174.4	957.1	469.4	245.9	195.1	156.5	136.2	121.9	115.8
42.5°	4704.4	3944.4	2164.2	916.5	441.0	237.8	184.9	150.4	128.0	111.8	109.7
45°	4814.2	4060.2	2093.1	884.0	418.6	241.8	180.9	142.3	121.9	107.7	99.6
47.5°	4787.7	4149.6	2111.4	873.8	388.1	225.6	178.8	136.2	111.8	99.6	93.5
50°	4934.1	4330.5	2080.9	841.3	365.8	203.2	195.1	136.2	109.7	95.5	89.4
52.5°	4958.4	4495.1	2145.9	782.4	331.2	187.0	193.1	134.1	105.7	91.4	83.3
55°	5161.7	4686.1	2271.9	749.9	302.8	162.6	176.8	130.1	95.5	83.3	79.3
57.5°	5438.0	5082.4	2353.2	719.4	264.2	142.3	148.3	128.0	87.4	77.2	71.1
60°	5704.2	5240.9	2359.3	664.5	227.6	128.0	115.8	128.0	81.3	69.1	63.0
62.5°	5903.4	5240.9	2318.7	617.8	199.2	113.8	101.6	121.9	73.2	61.0	56.9
65°	5795.7	5100.7	2213.0	579.2	180.9	99.6	87.4	93.5	65.0	52.8	48.8
67.5°	5602.6	4663.8	1979.3	532.4	178.8	87.4	75.2	69.1	56.9	46.7	42.7
70°	5293.7	4074.5	1648.1	479.6	174.8	79.3	67.1	58.9	50.8	40.6	36.6
72.5°	4265.5	3365.2	1353.4	449.1	170.7	69.1	56.9	50.8	42.7	34.5	30.5
75°	2954.7	2150.0	1042.5	384.1	166.6	63.0	52.8	44.7	36.6	28.5	26.4
77.5°	1772.0	1436.7	672.6	288.6	109.7	50.8	44.7	34.5	30.5	24.4	22.4
80°	829.1	678.7	272.3	111.8	52.8	36.6	30.5	26.4	24.4	20.3	18.3
82.5°	325.1	286.5	132.1	65.0	42.7	28.5	24.4	22.4	20.3	16.3	14.2
85°	174.8	154.4	63.0	44.7	30.5	20.3	20.3	18.3	16.3	14.2	12.2
87.5°	38.6	28.5	26.4	26.4	22.4	16.3	16.3	14.2	12.2	10.2	8.1
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°	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3
2.5°	2511.7	2542.2	2493.4	2523.9	2481.3	2513.8	2517.8	2487.3	2495.5	2536.1	2554.4
5°	2139.9	2119.5	2074.8	2060.6	2062.6	2036.2	2046.4	2060.6	2083.0	2095.1	2131.7
7.5°	1542.4	1589.1	1587.1	1621.7	1623.7	1619.6	1591.2	1530.2	1550.5	1534.3	1554.6
10°	1103.5	1123.8	1162.4	1184.7	1225.4	1203.0	1138.0	1113.6	1101.4	1099.4	1119.7
12.5°	882.0	833.2	829.1	837.2	857.6	831.1	798.6	770.2	784.4	812.9	835.2
15°	682.8	642.2	589.3	581.2	585.3	573.1	538.5	501.9	512.1	540.6	556.8
17.5°	524.3	477.6	441.0	416.6	408.5	365.8	315.0	284.5	276.4	274.3	288.6
20°	353.6	345.5	339.4	308.9	308.9	247.9	205.2	182.9	182.9	187.0	189.0
22.5°	264.2	254.0	256.1	250.0	233.7	184.9	162.6	156.5	156.5	160.5	160.5
25°	229.6	215.4	211.3	209.3	193.1	158.5	142.3	136.2	136.2	140.2	140.2
27.5°	195.1	191.0	184.9	176.8	162.6	136.2	126.0	119.9	121.9	124.0	121.9
30°	178.8	168.7	160.5	160.5	144.3	121.9	113.8	109.7	105.7	109.7	111.8
32.5°	158.5	152.4	148.3	142.3	124.0	107.7	99.6	95.5	93.5	93.5	95.5
35°	136.2	136.2	132.1	124.0	107.7	97.5	87.4	83.3	81.3	83.3	83.3
37.5°	121.9	115.8	117.9	109.7	95.5	85.4	75.2	71.1	71.1	69.1	71.1
40°	113.8	103.6	97.5	93.5	85.4	73.2	65.0	61.0	58.9	58.9	58.9
42.5°	101.6	93.5	81.3	79.3	77.2	63.0	52.8	50.8	48.8	46.7	46.7
45°	95.5	83.3	73.2	63.0	63.0	52.8	44.7	40.6	38.6	36.6	38.6
47.5°	87.4	75.2	63.0	52.8	50.8	42.7	34.5	30.5	28.5	28.5	28.5
50°	83.3	67.1	54.9	44.7	38.6	34.5	26.4	22.4	20.3	20.3	20.3
52.5°	77.2	63.0	48.8	38.6	30.5	26.4	20.3	16.3	14.2	14.2	14.2
55°	69.1	56.9	42.7	32.5	26.4	20.3	14.2	10.2	8.1	8.1	8.1
57.5°	65.0	50.8	36.6	28.5	20.3	14.2	8.1	6.1	6.1	4.1	6.1
60°	58.9	44.7	30.5	22.4	16.3	10.2	6.1	2.0	2.0	2.0	2.0
62.5°	50.8	38.6	26.4	18.3	12.2	6.1	2.0	0.0	0.0	0.0	0.0
65°	42.7	30.5	20.3	14.2	8.1	2.0	0.0	0.0	0.0	0.0	0.0
67.5°	36.6	26.4	16.3	10.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	32.5	22.4	12.2	8.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	26.4	18.3	10.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	22.4	14.2	6.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	18.3	10.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	14.2	8.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P599575
 CATALOG NUMBER: IFLD-S-SA2C-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3	2861.3
2.5°	2580.8	2568.6	2629.6	2729.2	2780.0	2879.6	2903.9	2966.9	2950.7	2973.0
5°	2135.8	2160.2	2249.6	2395.9	2448.7	2593.0	2729.2	2865.3	2952.7	2995.4
7.5°	1585.1	1666.4	1776.1	1910.2	2046.4	2235.4	2467.0	2625.5	2710.9	2802.3
10°	1180.7	1268.1	1394.1	1526.1	1747.6	1959.0	2190.7	2387.8	2460.9	2546.3
12.5°	928.7	1064.8	1211.2	1353.4	1485.5	1686.7	1973.2	2259.7	2339.0	2404.0
15°	646.2	812.9	1022.2	1207.1	1392.0	1566.8	1863.5	2211.0	2318.7	2428.4
17.5°	357.7	489.7	729.5	989.7	1262.0	1530.2	1900.1	2300.4	2463.0	2540.2
20°	207.3	260.1	430.8	739.7	1099.4	1451.0	1918.3	2469.1	2684.5	2723.1
22.5°	170.7	189.0	243.9	463.3	900.2	1400.2	2011.8	2704.8	2924.3	3015.7
25°	146.3	160.5	189.0	278.4	680.8	1292.4	2070.8	2999.5	3202.7	3302.2
27.5°	130.1	144.3	166.6	205.2	463.3	1144.1	2168.3	3265.7	3468.9	3605.0
30°	113.8	126.0	148.3	174.8	321.1	977.5	2251.6	3460.7	3747.3	3790.0
32.5°	101.6	111.8	128.0	150.4	237.8	741.7	2318.7	3661.9	3903.8	3997.2
35°	87.4	99.6	109.7	128.0	180.9	558.8	2278.0	3818.4	4133.4	4245.2
37.5°	77.2	85.4	95.5	107.7	152.4	436.9	2194.7	4005.4	4330.5	4434.1
40°	65.0	71.1	83.3	95.5	138.2	337.3	2099.2	4230.9	4606.9	4789.8
42.5°	54.9	61.0	69.1	89.4	113.8	250.0	1906.2	4405.7	4830.4	4984.9
45°	42.7	50.8	63.0	89.4	91.4	184.9	1707.0	4535.8	4956.4	5033.6
47.5°	32.5	40.6	61.0	77.2	73.2	128.0	1471.3	4684.1	5086.5	5157.6
50°	24.4	32.5	69.1	67.1	61.0	97.5	1322.9	4787.7	5094.6	5133.2
52.5°	16.3	24.4	56.9	50.8	50.8	85.4	1282.3	4783.7	5114.9	5031.6
55°	12.2	18.3	32.5	36.6	44.7	75.2	1245.7	4936.1	5121.0	5179.9
57.5°	8.1	14.2	22.4	28.5	38.6	65.0	1170.5	5119.0	5310.0	5340.5
60°	4.1	10.2	16.3	22.4	32.5	56.9	1064.8	5253.1	5539.6	5572.2
62.5°	2.0	6.1	12.2	18.3	26.4	44.7	955.1	5039.7	5440.1	5497.0
65°	0.0	4.1	8.1	12.2	16.3	32.5	776.3	4550.0	5045.8	5255.1
67.5°	0.0	0.0	4.1	8.1	10.2	24.4	585.3	4139.5	4682.1	4966.6
70°	0.0	0.0	2.0	2.0	6.1	18.3	373.9	3428.2	4180.1	4336.6
72.5°	0.0	0.0	0.0	0.0	2.0	12.2	217.4	2546.3	3275.8	3566.4
75°	0.0	0.0	0.0	0.0	0.0	10.2	109.7	1637.9	2280.1	2670.2
77.5°	0.0	0.0	0.0	0.0	0.0	8.1	58.9	1056.7	1680.6	2007.8
80°	0.0	0.0	0.0	0.0	0.0	2.0	34.5	613.7	1075.0	1302.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	14.2	300.8	642.2	751.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	160.5	321.1	422.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	22.4	42.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)