

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: P599373

Luminaire Tested: **IFLD-S-SA2D-722-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: P599373
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2D-722-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (32) 2200K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

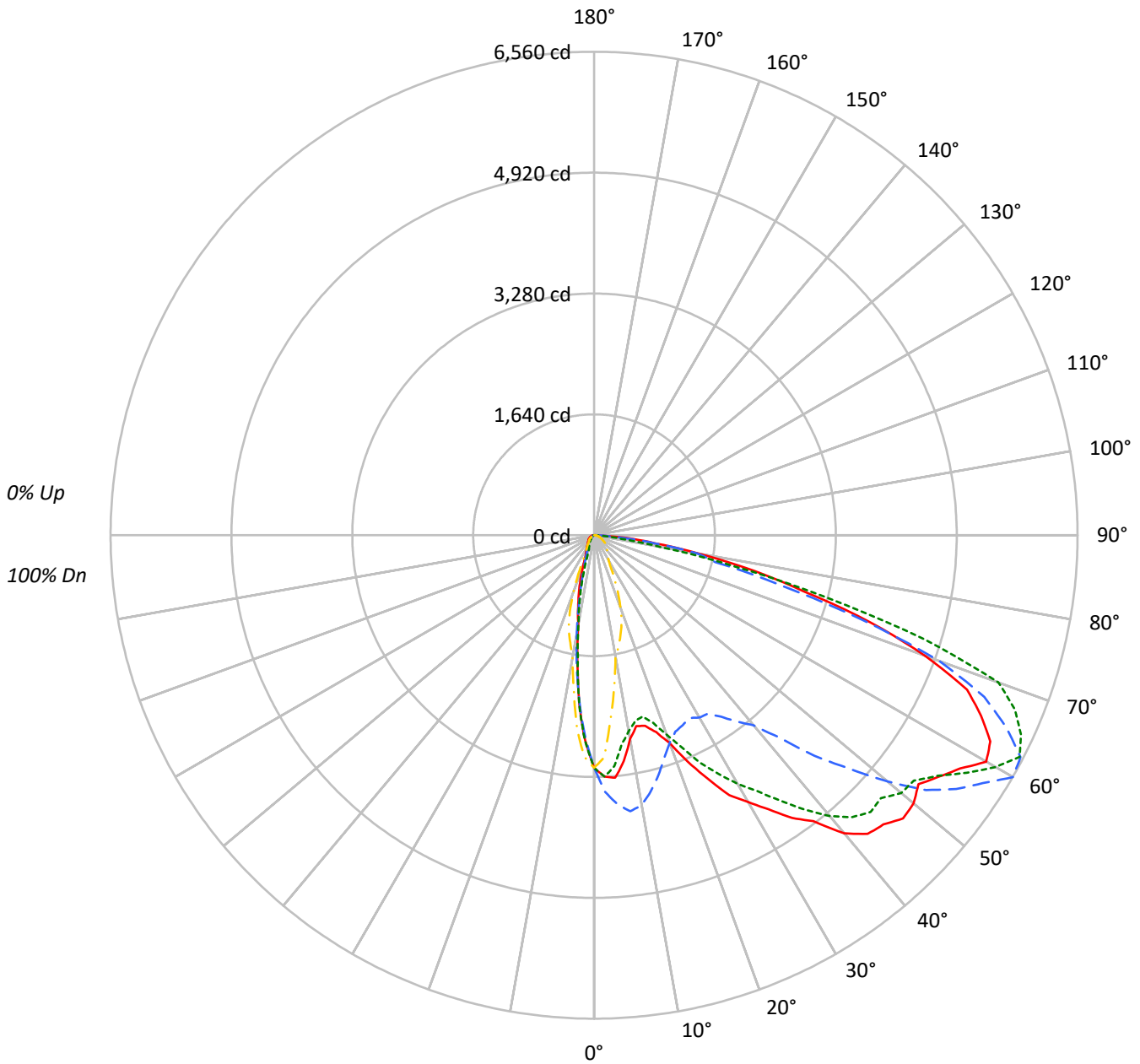
Lumens per Lamp: N/A
 Luminaire Lumens: 8390.5 lumens
 Efficiency: N/A
 Efficacy: 67.7 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 123.9
 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°	67916	67916	67916	67916
5°	71372	67933	49630	49921
10°	61372	59020	27135	26499
15°	59674	56728	17627	13283
20°	68783	65908	9446	4722
25°	86486	80897	6121	3672
30°	103875	96803	4957	3008
35°	123009	115414	4063	2415
40°	148413	139723	3589	1827
45°	168969	161602	3343	1227
50°	189554	182200	3302	750
55°	214360	213602	3280	338
60°	264525	270794	2992	95
65°	295152	325512	2741	0
70°	300963	367387	2537	0
75°	244890	270975	2420	0
80°	178051	113337	2504	0
85°	115104	47598	3310	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.7	2.9
10°-20°	470.0	5.6
20°-30°	650.4	7.8
30°-40°	919.1	11.0
40°-50°	1251.4	14.9
50°-60°	1657.4	19.8
60°-70°	1924.4	22.9
70°-80°	1089.8	13.0
80°-90°	188.3	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°	1360.0	16.2
0°-40°	2279.2	27.2
0°-60°	5188.0	61.8
0°-90°	8390.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8390.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3155	3155	3155	3155	3155	
5°	3303	3144	2297	2310	3303	297
15°	2678	2545	791	596	2678	785
25°	3641	3406	258	155	3641	1698
35°	4681	4392	155	92	4681	2951
45°	5550	5308	110	40	5550	4303
55°	5711	5691	87	9	5711	5174
65°	5794	6390	54	0	5794	5648
75°	2944	3258	29	0	2944	3213
85°	466	193	13	0	466	560
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°	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8
2.5°	3278.0	3347.5	3349.7	3381.1	3412.4	3412.4	3486.4	3468.5	3403.5	3392.3	3345.2
5°	3302.7	3327.3	3345.2	3504.3	3638.8	3625.3	3665.6	3638.8	3513.3	3352.0	3242.2
7.5°	3089.8	3116.7	3188.4	3459.5	3641.0	3701.5	3777.7	3609.6	3477.4	3186.1	2975.5
10°	2807.5	2859.0	2991.2	3300.4	3524.5	3717.2	3717.2	3582.7	3327.3	3042.7	2785.1
12.5°	2650.6	2753.7	2825.4	3139.1	3430.4	3562.6	3558.1	3486.4	3320.6	2962.1	2670.8
15°	2677.5	2706.7	2859.0	3103.2	3295.9	3289.2	3369.9	3347.5	3231.0	3033.8	2713.4
17.5°	2800.8	2845.6	2977.8	3103.2	3195.1	3168.2	3166.0	3273.5	3280.3	3154.8	2872.5
20°	3002.4	3134.6	3197.4	3235.4	3123.4	3009.1	2995.7	3145.8	3262.3	3309.4	3062.9
22.5°	3325.1	3412.4	3540.2	3345.2	3054.0	2910.6	2883.7	3049.5	3284.7	3493.1	3309.4
25°	3641.0	3708.2	3831.4	3580.5	3132.4	2890.4	2843.3	2986.7	3369.9	3748.5	3607.4
27.5°	3974.8	4033.1	4046.5	3753.0	3174.9	2850.1	2794.0	2986.7	3441.6	3883.0	3963.6
30°	4178.7	4248.2	4261.6	3905.4	3244.4	2883.7	2856.8	3000.2	3490.9	3997.2	4219.1
32.5°	4407.3	4425.2	4414.0	3932.3	3320.6	2982.3	2870.2	3089.8	3546.9	4133.9	4452.1
35°	4680.6	4712.0	4597.7	4055.5	3490.9	3045.0	3004.7	3199.6	3643.2	4196.7	4734.4
37.5°	4889.0	4987.6	4729.9	4102.6	3524.5	3177.2	3183.9	3428.1	3710.4	4272.8	5045.9
40°	5281.1	5115.3	4954.0	4263.9	3652.2	3401.2	3365.4	3663.4	3936.8	4322.1	5249.7
42.5°	5496.2	5408.8	5041.4	4279.6	3849.4	3710.4	3719.4	3930.0	4055.5	4461.1	5305.8
45°	5550.0	5458.1	5160.1	4290.8	4044.3	4075.7	4230.3	4270.6	4230.3	4552.9	5411.1
47.5°	5686.7	5487.3	5146.7	4440.9	4360.2	4481.2	4678.4	4765.8	4467.8	4519.3	5460.4
50°	5659.8	5545.5	5117.6	4503.6	4745.6	5066.0	5198.2	5162.4	4732.2	4449.9	5406.6
52.5°	5547.7	5424.5	5207.2	4673.9	5106.3	5494.0	5677.7	5588.1	4967.4	4606.7	5370.7
55°	5711.3	5617.2	5323.7	4904.7	5377.5	5870.4	6000.4	5933.1	5256.5	4752.3	5574.6
57.5°	5888.3	5868.2	5639.6	5175.8	5697.9	6258.0	6258.0	6175.1	5507.4	4963.0	5877.1
60°	6143.8	6188.6	5872.6	5355.1	5807.7	6235.6	6560.5	6464.2	5760.6	5332.7	6219.9
62.5°	6060.8	6204.2	6172.9	5740.4	5933.1	6345.4	6522.4	6594.1	6074.3	5783.0	6677.0
65°	5794.2	5946.6	6170.6	5993.6	5839.0	6078.8	6168.4	6385.7	6231.1	6206.5	6865.2
67.5°	5476.1	5641.9	5780.8	6163.9	5648.6	5807.7	5729.2	5798.7	6060.8	6670.3	6972.8
70°	4781.5	4940.5	5160.1	5785.3	5144.4	5001.0	4980.9	4947.3	5355.1	6504.5	6484.3
72.5°	3932.3	4006.2	4369.2	4703.0	3806.8	3779.9	3811.3	3773.2	4246.0	5888.3	5554.5
75°	2944.2	3018.1	3224.2	3611.9	2592.4	2437.8	2617.0	2794.0	3242.2	4570.8	3990.5
77.5°	2213.7	2307.8	2437.8	2702.2	1902.3	1660.3	1684.9	1853.0	2343.7	3661.2	2236.1
80°	1436.2	1425.0	1676.0	1859.7	1431.7	1476.6	1413.8	1537.1	1698.4	1958.3	1142.7
82.5°	829.0	840.2	945.5	1066.5	997.1	1140.5	822.3	1373.5	1212.2	797.7	425.7
85°	466.0	486.2	582.6	739.4	625.1	419.0	342.8	681.1	761.8	327.1	206.1
87.5°	47.1	40.3	78.4	280.1	170.3	69.5	103.1	163.6	183.7	123.2	60.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8
2.5°	3278.0	3278.0	3222.0	3127.9	3089.8	3022.6	2930.7	2959.8	2928.5	2814.2	2785.1
5°	3143.6	3036.0	2919.5	2776.1	2693.2	2522.9	2469.2	2372.8	2388.5	2292.1	2296.6
7.5°	2863.5	2778.4	2581.2	2393.0	2229.4	2081.5	1873.1	1794.7	1718.5	1680.5	1725.3
10°	2699.9	2540.9	2272.0	2025.5	1808.2	1676.0	1537.1	1429.5	1330.9	1257.0	1241.3
12.5°	2581.2	2440.0	2115.1	1814.9	1644.6	1537.1	1409.3	1261.5	1165.1	1037.4	999.3
15°	2545.3	2372.8	2030.0	1732.0	1566.2	1389.2	1243.5	1097.9	972.4	838.0	790.9
17.5°	2668.6	2469.2	2027.8	1664.8	1431.7	1241.3	1039.6	876.1	748.4	625.1	596.0
20°	2876.9	2572.2	2092.7	1624.4	1304.0	1048.6	820.1	656.5	513.1	432.4	412.3
22.5°	3114.4	2747.0	2099.5	1516.9	1176.3	855.9	598.2	432.4	351.8	313.7	302.5
25°	3405.7	3027.1	2180.1	1429.5	1026.2	649.8	425.7	331.6	284.6	262.2	257.7
27.5°	3645.5	3222.0	2267.5	1337.6	878.3	481.7	333.9	271.1	246.5	224.1	221.8
30°	3894.2	3446.1	2292.1	1281.6	750.6	396.6	286.8	239.7	212.9	201.7	199.4
32.5°	4111.5	3690.3	2370.6	1189.8	629.6	349.5	259.9	215.1	197.2	179.2	177.0
35°	4391.6	3831.4	2408.7	1140.5	584.8	315.9	237.5	197.2	170.3	159.1	154.6
37.5°	4691.8	3968.1	2433.3	1102.4	546.7	295.8	224.1	186.0	161.3	145.6	141.2
40°	4971.9	4160.8	2397.5	1055.3	517.6	271.1	215.1	172.5	150.1	134.4	127.7
42.5°	5187.0	4349.0	2386.2	1010.5	486.2	262.2	203.9	165.8	141.2	123.2	121.0
45°	5308.0	4476.7	2307.8	974.7	461.6	266.6	199.4	156.8	134.4	118.8	109.8
47.5°	5278.9	4575.3	2328.0	963.5	428.0	248.7	197.2	150.1	123.2	109.8	103.1
50°	5440.2	4774.7	2294.4	927.6	403.3	224.1	215.1	150.1	121.0	105.3	98.6
52.5°	5467.1	4956.2	2366.1	862.6	365.2	206.1	212.9	147.9	116.5	100.8	91.9
55°	5691.1	5166.8	2505.0	826.8	333.9	179.2	194.9	143.4	105.3	91.9	87.4
57.5°	5995.9	5603.8	2594.6	793.2	291.3	156.8	163.6	141.2	96.3	85.1	78.4
60°	6289.4	5778.5	2601.3	732.7	250.9	141.2	127.7	141.2	89.6	76.2	69.5
62.5°	6509.0	5778.5	2556.5	681.1	219.6	125.5	112.0	134.4	80.7	67.2	62.7
65°	6390.2	5623.9	2440.0	638.6	199.4	109.8	96.3	103.1	71.7	58.3	53.8
67.5°	6177.4	5142.2	2182.4	587.0	197.2	96.3	82.9	76.2	62.7	51.5	47.1
70°	5836.8	4492.4	1817.1	528.8	192.7	87.4	73.9	65.0	56.0	44.8	40.3
72.5°	4703.0	3710.4	1492.2	495.2	188.2	76.2	62.7	56.0	47.1	38.1	33.6
75°	3257.8	2370.6	1149.4	423.5	183.7	69.5	58.3	49.3	40.3	31.4	29.1
77.5°	1953.8	1584.1	741.6	318.2	121.0	56.0	49.3	38.1	33.6	26.9	24.6
80°	914.2	748.4	300.2	123.2	58.3	40.3	33.6	29.1	26.9	22.4	20.2
82.5°	358.5	315.9	145.6	71.7	47.1	31.4	26.9	24.6	22.4	17.9	15.7
85°	192.7	170.3	69.5	49.3	33.6	22.4	22.4	20.2	17.9	15.7	13.4
87.5°	42.6	31.4	29.1	29.1	24.6	17.9	17.9	15.7	13.4	11.2	9.0
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°	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8
2.5°	2769.4	2803.0	2749.2	2782.8	2735.8	2771.6	2776.1	2742.5	2751.5	2796.3	2816.4
5°	2359.4	2337.0	2287.7	2272.0	2274.2	2245.1	2256.3	2272.0	2296.6	2310.1	2350.4
7.5°	1700.6	1752.2	1749.9	1788.0	1790.2	1785.8	1754.4	1687.2	1709.6	1691.7	1714.1
10°	1216.7	1239.1	1281.6	1306.3	1351.1	1326.4	1254.7	1227.9	1214.4	1212.2	1234.6
12.5°	972.4	918.6	914.2	923.1	945.5	916.4	880.6	849.2	864.9	896.2	920.9
15°	752.8	708.0	649.8	640.8	645.3	631.9	593.8	553.4	564.6	596.0	613.9
17.5°	578.1	526.5	486.2	459.3	450.4	403.3	347.3	313.7	304.7	302.5	318.2
20°	389.9	380.9	374.2	340.6	340.6	273.4	226.3	201.7	201.7	206.1	208.4
22.5°	291.3	280.1	282.3	275.6	257.7	203.9	179.2	172.5	172.5	177.0	177.0
25°	253.2	237.5	233.0	230.8	212.9	174.8	156.8	150.1	150.1	154.6	154.6
27.5°	215.1	210.6	203.9	194.9	179.2	150.1	138.9	132.2	134.4	136.7	134.4
30°	197.2	186.0	177.0	177.0	159.1	134.4	125.5	121.0	116.5	121.0	123.2
32.5°	174.8	168.0	163.6	156.8	136.7	118.8	109.8	105.3	103.1	103.1	105.3
35°	150.1	150.1	145.6	136.7	118.8	107.5	96.3	91.9	89.6	91.9	91.9
37.5°	134.4	127.7	130.0	121.0	105.3	94.1	82.9	78.4	78.4	76.2	78.4
40°	125.5	114.3	107.5	103.1	94.1	80.7	71.7	67.2	65.0	65.0	65.0
42.5°	112.0	103.1	89.6	87.4	85.1	69.5	58.3	56.0	53.8	51.5	51.5
45°	105.3	91.9	80.7	69.5	69.5	58.3	49.3	44.8	42.6	40.3	42.6
47.5°	96.3	82.9	69.5	58.3	56.0	47.1	38.1	33.6	31.4	31.4	31.4
50°	91.9	73.9	60.5	49.3	42.6	38.1	29.1	24.6	22.4	22.4	22.4
52.5°	85.1	69.5	53.8	42.6	33.6	29.1	22.4	17.9	15.7	15.7	15.7
55°	76.2	62.7	47.1	35.8	29.1	22.4	15.7	11.2	9.0	9.0	9.0
57.5°	71.7	56.0	40.3	31.4	22.4	15.7	9.0	6.7	6.7	4.5	6.7
60°	65.0	49.3	33.6	24.6	17.9	11.2	6.7	2.2	2.2	2.2	2.2
62.5°	56.0	42.6	29.1	20.2	13.4	6.7	2.2	0.0	0.0	0.0	0.0
65°	47.1	33.6	22.4	15.7	9.0	2.2	0.0	0.0	0.0	0.0	0.0
67.5°	40.3	29.1	17.9	11.2	6.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	35.8	24.6	13.4	9.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	29.1	20.2	11.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	24.6	15.7	6.7	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	20.2	11.2	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	15.7	9.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	13.4	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.7	2.2	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: P599373
 CATALOG NUMBER: IFLD-S-SA2D-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8	3154.8
2.5°	2845.6	2832.1	2899.3	3009.1	3065.2	3174.9	3201.8	3271.3	3253.4	3278.0
5°	2354.9	2381.8	2480.4	2641.7	2699.9	2859.0	3009.1	3159.3	3255.6	3302.7
7.5°	1747.7	1837.3	1958.3	2106.2	2256.3	2464.7	2720.1	2894.9	2989.0	3089.8
10°	1301.8	1398.1	1537.1	1682.7	1926.9	2159.9	2415.4	2632.7	2713.4	2807.5
12.5°	1024.0	1174.1	1335.4	1492.2	1637.9	1859.7	2175.6	2491.6	2578.9	2650.6
15°	712.5	896.2	1127.0	1330.9	1534.8	1727.5	2054.6	2437.8	2556.5	2677.5
17.5°	394.3	540.0	804.4	1091.2	1391.4	1687.2	2095.0	2536.4	2715.6	2800.8
20°	228.5	286.8	475.0	815.6	1212.2	1599.8	2115.1	2722.3	2959.8	3002.4
22.5°	188.2	208.4	268.9	510.9	992.6	1543.8	2218.2	2982.3	3224.2	3325.1
25°	161.3	177.0	208.4	307.0	750.6	1425.0	2283.2	3307.1	3531.2	3641.0
27.5°	143.4	159.1	183.7	226.3	510.9	1261.5	2390.7	3600.7	3824.7	3974.8
30°	125.5	138.9	163.6	192.7	354.0	1077.7	2482.6	3815.8	4131.7	4178.7
32.5°	112.0	123.2	141.2	165.8	262.2	817.8	2556.5	4037.6	4304.2	4407.3
35°	96.3	109.8	121.0	141.2	199.4	616.2	2511.7	4210.1	4557.4	4680.6
37.5°	85.1	94.1	105.3	118.8	168.0	481.7	2419.9	4416.2	4774.7	4889.0
40°	71.7	78.4	91.9	105.3	152.4	371.9	2314.5	4664.9	5079.5	5281.1
42.5°	60.5	67.2	76.2	98.6	125.5	275.6	2101.7	4857.6	5325.9	5496.2
45°	47.1	56.0	69.5	98.6	100.8	203.9	1882.1	5001.0	5464.8	5550.0
47.5°	35.8	44.8	67.2	85.1	80.7	141.2	1622.2	5164.6	5608.2	5686.7
50°	26.9	35.8	76.2	73.9	67.2	107.5	1458.6	5278.9	5617.2	5659.8
52.5°	17.9	26.9	62.7	56.0	56.0	94.1	1413.8	5274.4	5639.6	5547.7
55°	13.4	20.2	35.8	40.3	49.3	82.9	1373.5	5442.4	5646.3	5711.3
57.5°	9.0	15.7	24.6	31.4	42.6	71.7	1290.6	5644.1	5854.7	5888.3
60°	4.5	11.2	17.9	24.6	35.8	62.7	1174.1	5792.0	6107.9	6143.8
62.5°	2.2	6.7	13.4	20.2	29.1	49.3	1053.1	5556.7	5998.1	6060.8
65°	0.0	4.5	9.0	13.4	17.9	35.8	855.9	5016.7	5563.4	5794.2
67.5°	0.0	0.0	4.5	9.0	11.2	26.9	645.3	4564.1	5162.4	5476.1
70°	0.0	0.0	2.2	2.2	6.7	20.2	412.3	3779.9	4608.9	4781.5
72.5°	0.0	0.0	0.0	0.0	2.2	13.4	239.7	2807.5	3611.9	3932.3
75°	0.0	0.0	0.0	0.0	0.0	11.2	121.0	1805.9	2514.0	2944.2
77.5°	0.0	0.0	0.0	0.0	0.0	9.0	65.0	1165.1	1853.0	2213.7
80°	0.0	0.0	0.0	0.0	0.0	2.2	38.1	676.7	1185.3	1436.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	15.7	331.6	708.0	829.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.5	177.0	354.0	466.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	24.6	47.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)