

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: P599399

Luminaire Tested: **IFLD-S-SA2A-727-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: P599399
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 05/04/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: IFLD-S-SA2A-727-U-SLL-HSS
 Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SLL distribution lens with House Side Shield
 Light Source: (32) 2700K CCT, 70 CRI LEDs
 Ballast/Driver: ELECTRONIC DRIVER

Summary

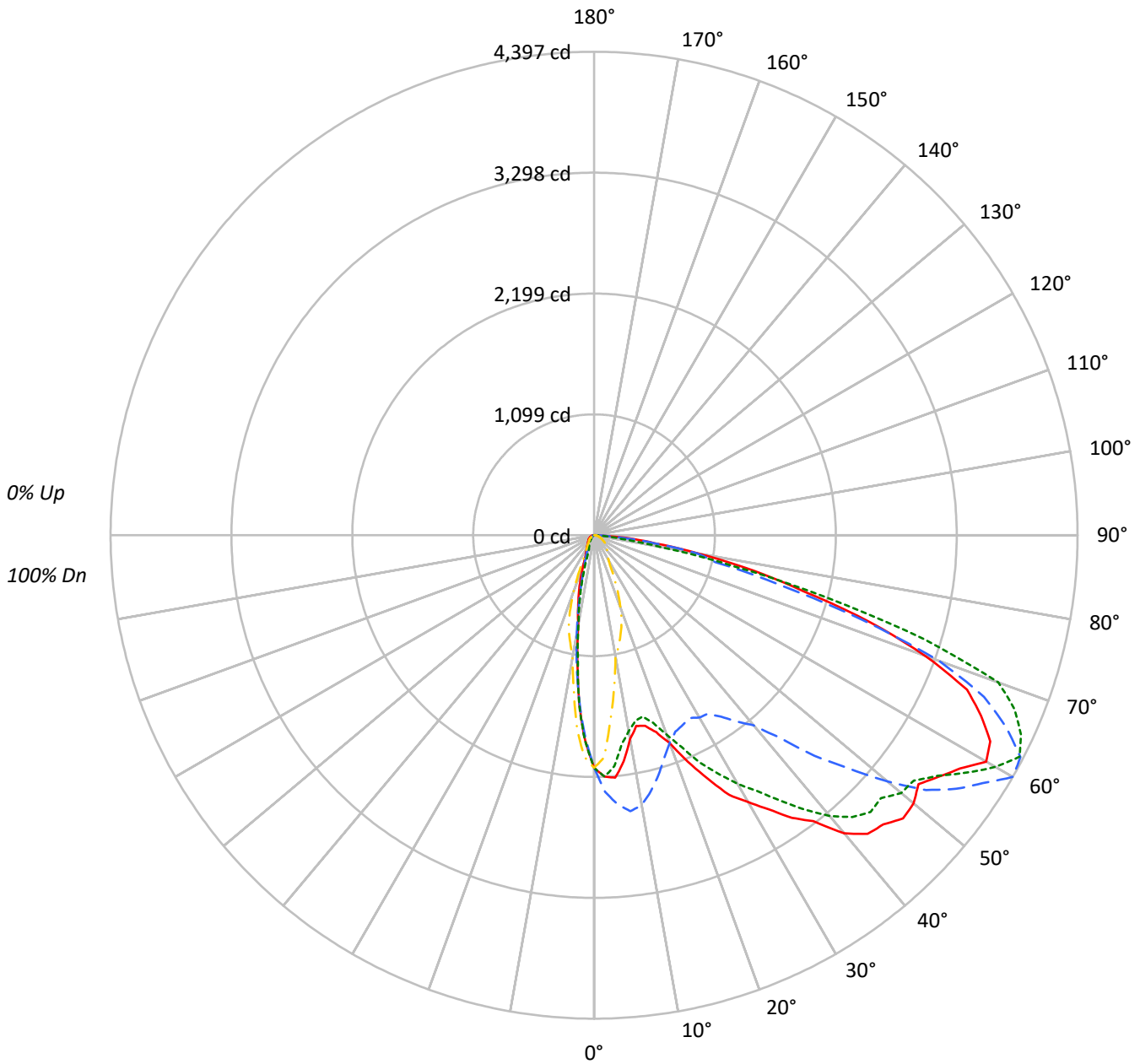
Lumens per Lamp: N/A
 Luminaire Lumens: 5623.4 lumens
 Efficiency: N/A
 Efficacy: 88.1 lumens/watt
 Spacing Criteria (0/90/45): 0.53 / 0.46 / 0.63
 Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 63.8
 Input Voltage (V): 120
 Input Current (A_{in}): 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			100	
1	106	100	95	90	103	98	93	89	94	90	86	90	86	83	86	83	81	79			79	
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61			61	
3	84	72	62	54	81	70	61	53	67	59	52	64	57	51	61	55	50	48			48	
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39			39	
5	69	54	44	36	67	53	43	36	51	42	35	48	41	35	46	40	34	32			32	
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27			27	
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	37	31	25	23			23	
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20			20	
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18			18	
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16			16	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	45518	45518	45518	45518
5°	47834	45530	33262	33457
10°	41132	39556	18185	17759
15°	39994	38020	11814	8902
20°	46101	44174	6330	3166
25°	57963	54219	4102	2461
30°	69618	64877	3324	2016
35°	82442	77352	2723	1619
40°	99469	93643	2406	1222
45°	113246	108308	2241	822
50°	127043	122113	2214	502
55°	143667	143161	2199	225
60°	177286	181488	2006	65
65°	197817	218162	1834	0
70°	201708	246227	1699	0
75°	164125	181617	1622	0
80°	119337	75959	1674	0
85°	77164	31888	2223	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.6	2.9
10°-20°	315.0	5.6
20°-30°	435.9	7.8
30°-40°	616.0	11.0
40°-50°	838.7	14.9
50°-60°	1110.8	19.8
60°-70°	1289.8	22.9
70°-80°	730.4	13.0
80°-90°	126.2	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°	911.5	16.2
0°-40°	1527.5	27.2
0°-60°	3477.1	61.8
0°-90°	5623.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5623.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2114	2114	2114	2114	2114	
5°	2214	2107	1539	1548	2214	199
15°	1794	1706	530	399	1794	526
25°	2440	2283	173	104	2440	1138
35°	3137	2943	104	62	3137	1978
45°	3720	3558	74	27	3720	2884
55°	3828	3814	59	6	3828	3468
65°	3883	4283	36	0	3883	3786
75°	1973	2184	20	0	1973	2154
85°	312	129	9	0	312	375
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°	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4
2.5°	2197.0	2243.5	2245.0	2266.0	2287.1	2287.1	2336.6	2324.6	2281.1	2273.6	2242.0
5°	2213.5	2230.0	2242.0	2348.6	2438.7	2429.7	2456.8	2438.7	2354.6	2246.5	2172.9
7.5°	2070.8	2088.8	2136.9	2318.6	2440.2	2480.8	2531.8	2419.2	2330.6	2135.4	1994.2
10°	1881.6	1916.2	2004.8	2212.0	2362.2	2491.3	2491.3	2401.2	2230.0	2039.3	1866.6
12.5°	1776.5	1845.6	1893.6	2103.9	2299.1	2387.7	2384.7	2336.6	2225.5	1985.2	1790.0
15°	1794.5	1814.0	1916.2	2079.8	2209.0	2204.5	2258.5	2243.5	2165.4	2033.3	1818.5
17.5°	1877.1	1907.1	1995.7	2079.8	2141.4	2123.4	2121.9	2194.0	2198.5	2114.4	1925.2
20°	2012.3	2100.9	2142.9	2168.4	2093.4	2016.8	2007.8	2108.4	2186.5	2218.0	2052.8
22.5°	2228.5	2287.1	2372.7	2242.0	2046.8	1950.7	1932.7	2043.8	2201.5	2341.1	2218.0
25°	2440.2	2485.3	2567.9	2399.7	2099.4	1937.2	1905.6	2001.7	2258.5	2512.3	2417.7
27.5°	2664.0	2703.0	2712.0	2515.3	2127.9	1910.1	1872.6	2001.7	2306.6	2602.4	2656.5
30°	2800.6	2847.2	2856.2	2617.4	2174.4	1932.7	1914.6	2010.8	2339.6	2679.0	2827.7
32.5°	2953.8	2965.8	2958.3	2635.5	2225.5	1998.7	1923.7	2070.8	2377.2	2770.6	2983.9
35°	3137.0	3158.0	3081.5	2718.1	2339.6	2040.8	2013.8	2144.4	2441.7	2812.7	3173.1
37.5°	3276.7	3342.8	3170.1	2749.6	2362.2	2129.4	2133.9	2297.6	2486.8	2863.7	3381.8
40°	3539.5	3428.3	3320.2	2857.7	2447.7	2279.6	2255.5	2455.3	2638.5	2896.8	3518.5
42.5°	3683.6	3625.1	3378.8	2868.2	2579.9	2486.8	2492.8	2634.0	2718.1	2989.9	3556.0
45°	3719.7	3658.1	3458.4	2875.7	2710.5	2731.6	2835.2	2862.2	2835.2	3051.4	3626.6
47.5°	3811.3	3677.6	3449.4	2976.3	2922.3	3003.4	3135.5	3194.1	2994.4	3028.9	3659.6
50°	3793.3	3716.7	3429.9	3018.4	3180.6	3395.3	3483.9	3459.9	3171.6	2982.3	3623.6
52.5°	3718.2	3635.6	3489.9	3132.5	3422.3	3682.1	3805.3	3745.2	3329.2	3087.5	3599.5
55°	3827.8	3764.7	3568.0	3287.2	3604.0	3934.4	4021.5	3976.5	3523.0	3185.1	3736.2
57.5°	3946.4	3932.9	3779.7	3468.9	3818.8	4194.2	4194.2	4138.6	3691.1	3326.2	3938.9
60°	4117.6	4147.7	3935.9	3589.0	3892.4	4179.2	4396.9	4332.4	3860.8	3574.0	4168.7
62.5°	4062.1	4158.2	4137.1	3847.3	3976.5	4252.8	4371.4	4419.5	4071.1	3875.9	4475.0
65°	3883.4	3985.5	4135.6	4017.0	3913.4	4074.1	4134.1	4279.8	4176.2	4159.7	4601.2
67.5°	3670.1	3781.2	3874.4	4131.1	3785.8	3892.4	3839.8	3886.4	4062.1	4470.5	4673.2
70°	3204.6	3311.2	3458.4	3877.4	3447.9	3351.8	3338.2	3315.7	3589.0	4359.4	4345.9
72.5°	2635.5	2685.0	2928.3	3152.0	2551.4	2533.3	2554.4	2528.8	2845.7	3946.4	3722.7
75°	1973.2	2022.8	2160.9	2420.7	1737.5	1633.8	1754.0	1872.6	2172.9	3063.4	2674.5
77.5°	1483.7	1546.7	1633.8	1811.0	1274.9	1112.7	1129.3	1241.9	1570.8	2453.8	1498.7
80°	962.6	955.1	1123.3	1246.4	959.6	989.6	947.6	1030.2	1138.3	1312.5	765.9
82.5°	555.6	563.1	633.7	714.8	668.3	764.4	551.1	920.5	812.4	534.6	285.3
85°	312.4	325.9	390.4	495.6	419.0	280.8	229.8	456.5	510.6	219.2	138.2
87.5°	31.5	27.0	52.6	187.7	114.1	46.6	69.1	109.6	123.1	82.6	40.5
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°	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4
2.5°	2197.0	2197.0	2159.4	2096.4	2070.8	2025.8	1964.2	1983.7	1962.7	1886.1	1866.6
5°	2106.9	2034.8	1956.7	1860.6	1805.0	1690.9	1654.9	1590.3	1600.8	1536.2	1539.2
7.5°	1919.2	1862.1	1729.9	1603.8	1494.2	1395.1	1255.4	1202.9	1151.8	1126.3	1156.3
10°	1809.5	1702.9	1522.7	1357.5	1211.9	1123.3	1030.2	958.1	892.0	842.4	831.9
12.5°	1729.9	1635.3	1417.6	1216.4	1102.2	1030.2	944.6	845.4	780.9	695.3	669.8
15°	1705.9	1590.3	1360.5	1160.8	1049.7	931.0	833.4	735.8	651.7	561.6	530.1
17.5°	1788.5	1654.9	1359.0	1115.8	959.6	831.9	696.8	587.2	501.6	419.0	399.4
20°	1928.2	1723.9	1402.6	1088.7	874.0	702.8	549.6	440.0	343.9	289.8	276.3
22.5°	2087.3	1841.1	1407.1	1016.6	788.4	573.6	401.0	289.8	235.8	210.2	202.7
25°	2282.6	2028.8	1461.1	958.1	687.8	435.5	285.3	222.2	190.7	175.7	172.7
27.5°	2443.2	2159.4	1519.7	896.5	588.7	322.9	223.8	181.7	165.2	150.2	148.7
30°	2609.9	2309.6	1536.2	859.0	503.1	265.8	192.2	160.7	142.7	135.2	133.7
32.5°	2755.6	2473.3	1588.8	797.4	422.0	234.3	174.2	144.2	132.1	120.1	118.6
35°	2943.3	2567.9	1614.3	764.4	391.9	211.7	159.2	132.1	114.1	106.6	103.6
37.5°	3144.5	2659.5	1630.8	738.8	366.4	198.2	150.2	124.6	108.1	97.6	94.6
40°	3332.2	2788.6	1606.8	707.3	346.9	181.7	144.2	115.6	100.6	90.1	85.6
42.5°	3476.4	2914.8	1599.3	677.3	325.9	175.7	136.7	111.1	94.6	82.6	81.1
45°	3557.5	3000.4	1546.7	653.2	309.3	178.7	133.7	105.1	90.1	79.6	73.6
47.5°	3538.0	3066.4	1560.3	645.7	286.8	166.7	132.1	100.6	82.6	73.6	69.1
50°	3646.1	3200.1	1537.7	621.7	270.3	150.2	144.2	100.6	81.1	70.6	66.1
52.5°	3664.1	3321.7	1585.8	578.1	244.8	138.2	142.7	99.1	78.1	67.6	61.6
55°	3814.3	3462.9	1678.9	554.1	223.8	120.1	130.6	96.1	70.6	61.6	58.6
57.5°	4018.5	3755.7	1739.0	531.6	195.2	105.1	109.6	94.6	64.6	57.1	52.6
60°	4215.2	3872.8	1743.5	491.1	168.2	94.6	85.6	94.6	60.1	51.1	46.6
62.5°	4362.4	3872.8	1713.4	456.5	147.2	84.1	75.1	90.1	54.1	45.1	42.0
65°	4282.8	3769.2	1635.3	428.0	133.7	73.6	64.6	69.1	48.1	39.0	36.0
67.5°	4140.1	3446.4	1462.6	393.4	132.1	64.6	55.6	51.1	42.0	34.5	31.5
70°	3911.9	3010.9	1217.9	354.4	129.1	58.6	49.6	43.5	37.5	30.0	27.0
72.5°	3152.0	2486.8	1000.1	331.9	126.1	51.1	42.0	37.5	31.5	25.5	22.5
75°	2183.5	1588.8	770.4	283.8	123.1	46.6	39.0	33.0	27.0	21.0	19.5
77.5°	1309.5	1061.7	497.1	213.2	81.1	37.5	33.0	25.5	22.5	18.0	16.5
80°	612.7	501.6	201.2	82.6	39.0	27.0	22.5	19.5	18.0	15.0	13.5
82.5°	240.3	211.7	97.6	48.1	31.5	21.0	18.0	16.5	15.0	12.0	10.5
85°	129.1	114.1	46.6	33.0	22.5	15.0	15.0	13.5	12.0	10.5	9.0
87.5°	28.5	21.0	19.5	19.5	16.5	12.0	12.0	10.5	9.0	7.5	6.0
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°	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4
2.5°	1856.1	1878.6	1842.6	1865.1	1833.6	1857.6	1860.6	1838.1	1844.1	1874.1	1887.6
5°	1581.3	1566.3	1533.2	1522.7	1524.2	1504.7	1512.2	1522.7	1539.2	1548.2	1575.3
7.5°	1139.8	1174.3	1172.8	1198.3	1199.8	1196.8	1175.8	1130.8	1145.8	1133.8	1148.8
10°	815.4	830.4	859.0	875.5	905.5	889.0	840.9	822.9	813.9	812.4	827.4
12.5°	651.7	615.7	612.7	618.7	633.7	614.2	590.2	569.1	579.7	600.7	617.2
15°	504.6	474.5	435.5	429.5	432.5	423.5	397.9	370.9	378.4	399.4	411.5
17.5°	387.4	352.9	325.9	307.8	301.8	270.3	232.8	210.2	204.2	202.7	213.2
20°	261.3	255.3	250.8	228.3	228.3	183.2	151.7	135.2	135.2	138.2	139.7
22.5°	195.2	187.7	189.2	184.7	172.7	136.7	120.1	115.6	115.6	118.6	118.6
25°	169.7	159.2	156.2	154.7	142.7	117.1	105.1	100.6	100.6	103.6	103.6
27.5°	144.2	141.2	136.7	130.6	120.1	100.6	93.1	88.6	90.1	91.6	90.1
30°	132.1	124.6	118.6	118.6	106.6	90.1	84.1	81.1	78.1	81.1	82.6
32.5°	117.1	112.6	109.6	105.1	91.6	79.6	73.6	70.6	69.1	69.1	70.6
35°	100.6	100.6	97.6	91.6	79.6	72.1	64.6	61.6	60.1	61.6	61.6
37.5°	90.1	85.6	87.1	81.1	70.6	63.1	55.6	52.6	52.6	51.1	52.6
40°	84.1	76.6	72.1	69.1	63.1	54.1	48.1	45.1	43.5	43.5	43.5
42.5°	75.1	69.1	60.1	58.6	57.1	46.6	39.0	37.5	36.0	34.5	34.5
45°	70.6	61.6	54.1	46.6	46.6	39.0	33.0	30.0	28.5	27.0	28.5
47.5°	64.6	55.6	46.6	39.0	37.5	31.5	25.5	22.5	21.0	21.0	21.0
50°	61.6	49.6	40.5	33.0	28.5	25.5	19.5	16.5	15.0	15.0	15.0
52.5°	57.1	46.6	36.0	28.5	22.5	19.5	15.0	12.0	10.5	10.5	10.5
55°	51.1	42.0	31.5	24.0	19.5	15.0	10.5	7.5	6.0	6.0	6.0
57.5°	48.1	37.5	27.0	21.0	15.0	10.5	6.0	4.5	4.5	3.0	4.5
60°	43.5	33.0	22.5	16.5	12.0	7.5	4.5	1.5	1.5	1.5	1.5
62.5°	37.5	28.5	19.5	13.5	9.0	4.5	1.5	0.0	0.0	0.0	0.0
65°	31.5	22.5	15.0	10.5	6.0	1.5	0.0	0.0	0.0	0.0	0.0
67.5°	27.0	19.5	12.0	7.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	24.0	16.5	9.0	6.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	19.5	13.5	7.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	16.5	10.5	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	13.5	7.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	10.5	6.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	1.5	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: P599399
 CATALOG NUMBER: IFLD-S-SA2A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4	2114.4
2.5°	1907.1	1898.1	1943.2	2016.8	2054.3	2127.9	2145.9	2192.5	2180.4	2197.0
5°	1578.3	1596.3	1662.4	1770.5	1809.5	1916.2	2016.8	2117.4	2182.0	2213.5
7.5°	1171.3	1231.4	1312.5	1411.6	1512.2	1651.9	1823.0	1940.2	2003.2	2070.8
10°	872.5	937.1	1030.2	1127.8	1291.5	1447.6	1618.8	1764.5	1818.5	1881.6
12.5°	686.3	786.9	895.0	1000.1	1097.7	1246.4	1458.1	1669.9	1728.4	1776.5
15°	477.5	600.7	755.3	892.0	1028.7	1157.8	1377.0	1633.8	1713.4	1794.5
17.5°	264.3	361.9	539.1	731.3	932.5	1130.8	1404.1	1699.9	1820.0	1877.1
20°	153.2	192.2	318.4	546.6	812.4	1072.2	1417.6	1824.5	1983.7	2012.3
22.5°	126.1	139.7	180.2	342.4	665.2	1034.7	1486.7	1998.7	2160.9	2228.5
25°	108.1	118.6	139.7	205.7	503.1	955.1	1530.2	2216.5	2366.7	2440.2
27.5°	96.1	106.6	123.1	151.7	342.4	845.4	1602.3	2413.2	2563.4	2664.0
30°	84.1	93.1	109.6	129.1	237.3	722.3	1663.9	2557.4	2769.1	2800.6
32.5°	75.1	82.6	94.6	111.1	175.7	548.1	1713.4	2706.0	2884.7	2953.8
35°	64.6	73.6	81.1	94.6	133.7	413.0	1683.4	2821.7	3054.4	3137.0
37.5°	57.1	63.1	70.6	79.6	112.6	322.9	1621.8	2959.8	3200.1	3276.7
40°	48.1	52.6	61.6	70.6	102.1	249.3	1551.2	3126.5	3404.3	3539.5
42.5°	40.5	45.1	51.1	66.1	84.1	184.7	1408.6	3255.7	3569.5	3683.6
45°	31.5	37.5	46.6	66.1	67.6	136.7	1261.4	3351.8	3662.6	3719.7
47.5°	24.0	30.0	45.1	57.1	54.1	94.6	1087.2	3461.4	3758.7	3811.3
50°	18.0	24.0	51.1	49.6	45.1	72.1	977.6	3538.0	3764.7	3793.3
52.5°	12.0	18.0	42.0	37.5	37.5	63.1	947.6	3535.0	3779.7	3718.2
55°	9.0	13.5	24.0	27.0	33.0	55.6	920.5	3647.6	3784.2	3827.8
57.5°	6.0	10.5	16.5	21.0	28.5	48.1	865.0	3782.7	3923.9	3946.4
60°	3.0	7.5	12.0	16.5	24.0	42.0	786.9	3881.9	4093.6	4117.6
62.5°	1.5	4.5	9.0	13.5	19.5	33.0	705.8	3724.2	4020.0	4062.1
65°	0.0	3.0	6.0	9.0	12.0	24.0	573.6	3362.3	3728.7	3883.4
67.5°	0.0	0.0	3.0	6.0	7.5	18.0	432.5	3058.9	3459.9	3670.1
70°	0.0	0.0	1.5	1.5	4.5	13.5	276.3	2533.3	3089.0	3204.6
72.5°	0.0	0.0	0.0	0.0	1.5	9.0	160.7	1881.6	2420.7	2635.5
75°	0.0	0.0	0.0	0.0	0.0	7.5	81.1	1210.4	1684.9	1973.2
77.5°	0.0	0.0	0.0	0.0	0.0	6.0	43.5	780.9	1241.9	1483.7
80°	0.0	0.0	0.0	0.0	0.0	1.5	25.5	453.5	794.4	962.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	10.5	222.2	474.5	555.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	118.6	237.3	312.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	16.5	31.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)