

Scaled data based on original data using  
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: P483070

Luminaire Tested: **IFLD-S-SA3A-722-U-T4FT-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483070  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-722-U-T4FT-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

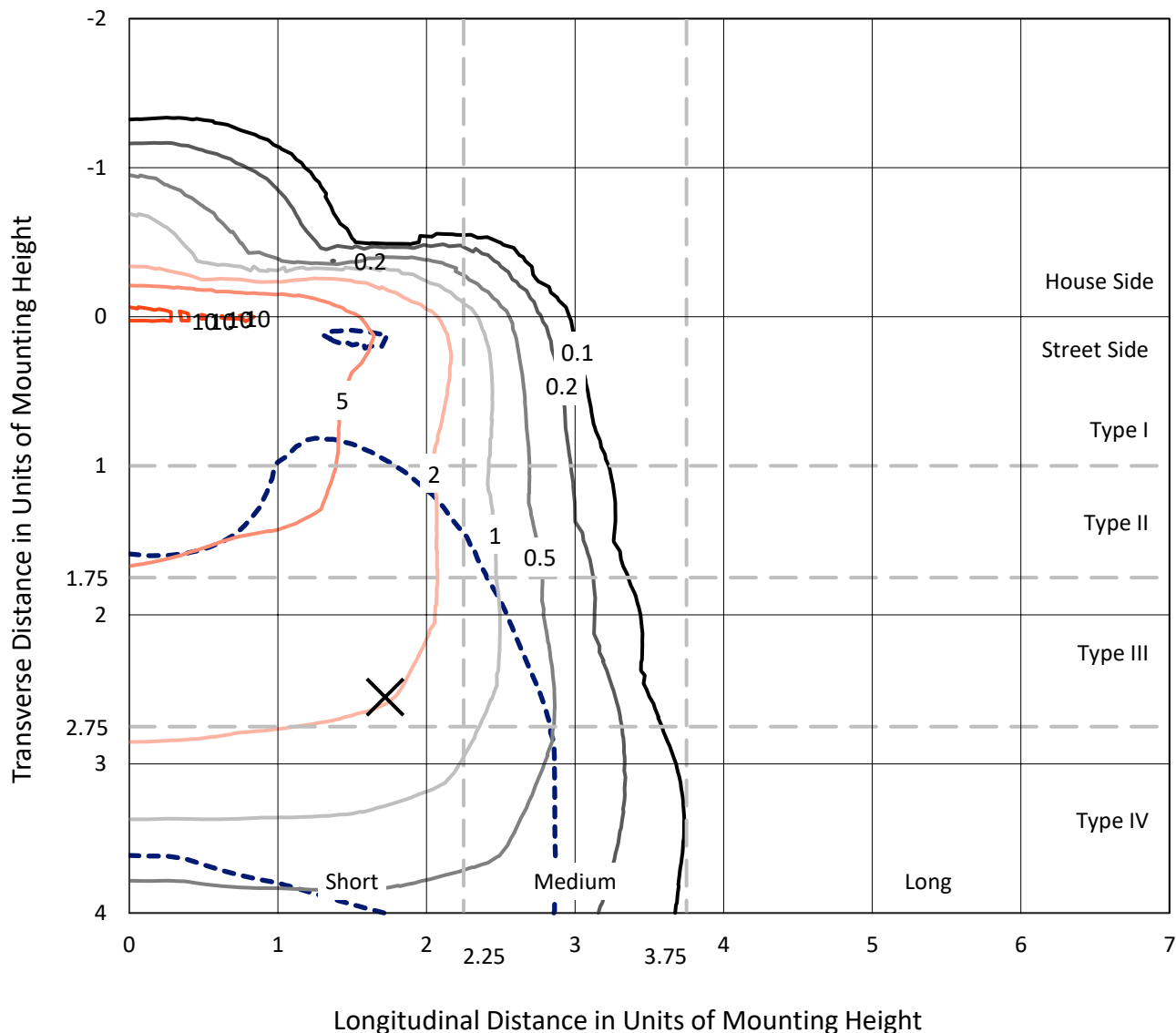
Lumens per Lamp: N/A  
Luminaire Lumens: 7328.2 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 94.8  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

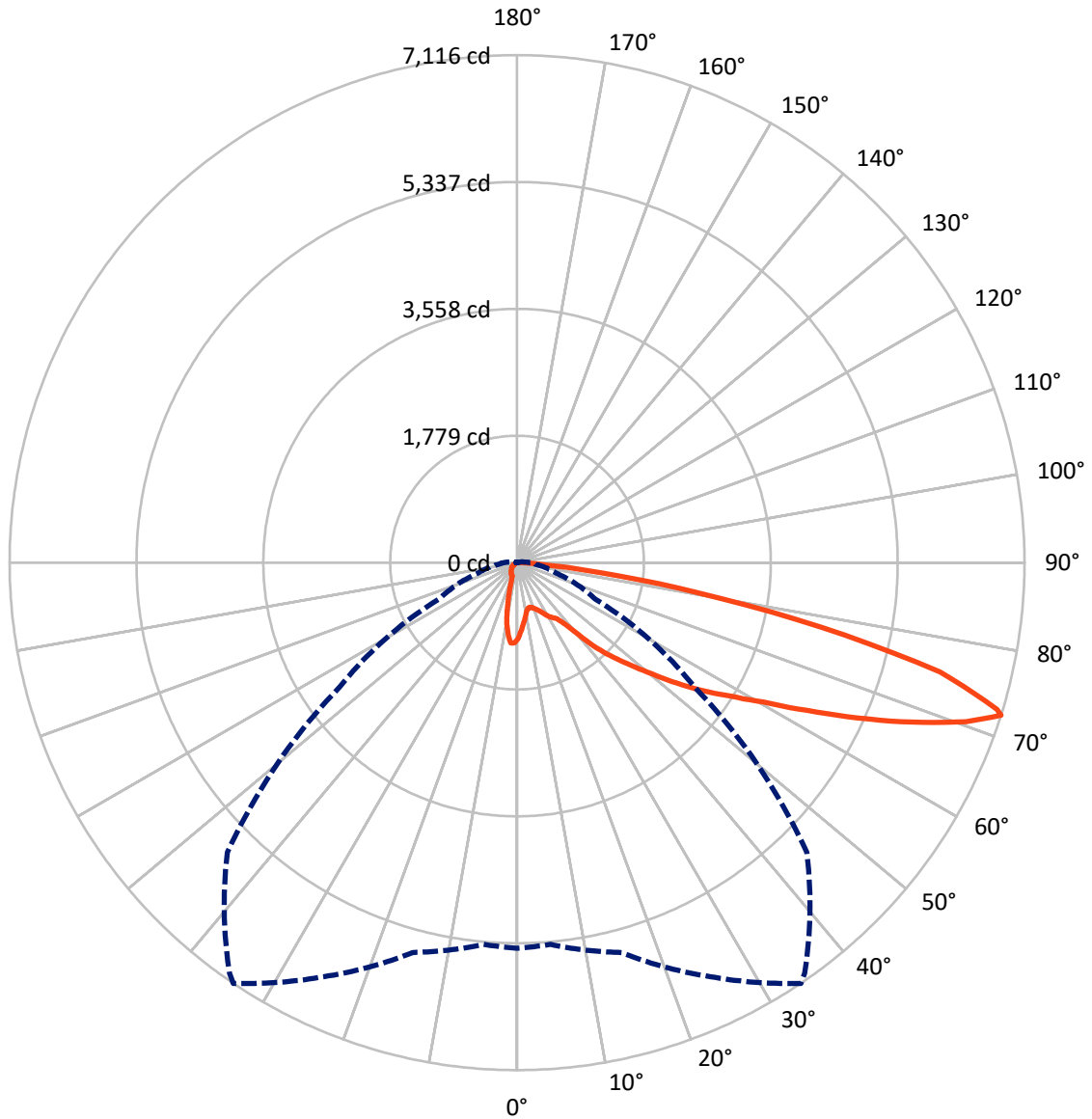
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	750.2	0.0	750.2
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	6577.9	0.0	6577.9
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	7328.2	0.0	7328.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.1	1.3
10°-20°	210.7	2.9
20°-30°	318.0	4.3
30°-40°	516.1	7.0
40°-50°	970.5	13.2
50°-60°	1586.8	21.7
60°-70°	2109.5	28.8
70°-80°	1412.7	19.3
80°-90°	110.7	1.5
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°-90°	7328.2	100.0
0°-180°	7328.2	100.0

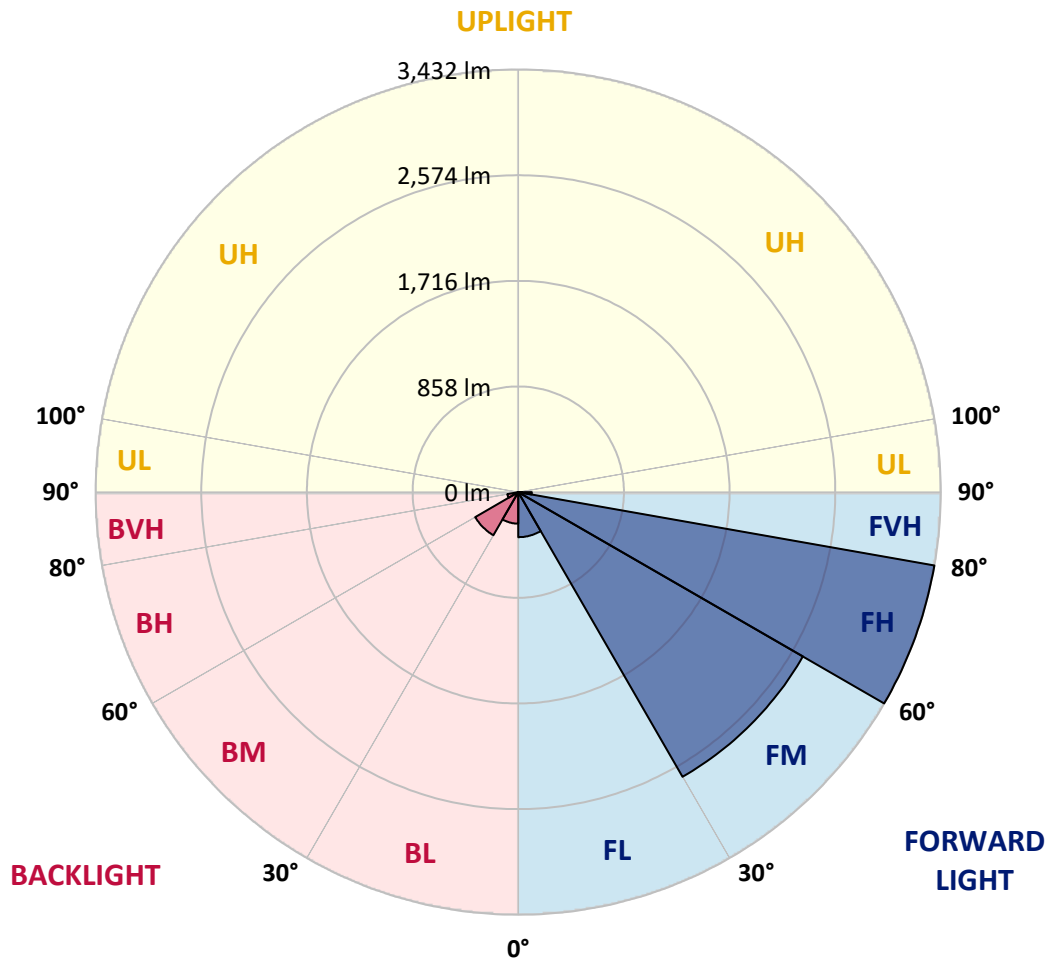


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.8	5.0			
FM (30°-60°)	2669.6	36.4			
FH (60°-80°)	3432.4	46.8			G2/5000
FVH (80°-90°)	110.0	1.5			G2/225
BL (0°-30°)	256.0	3.5	B1/500		
BM (30°-60°)	403.8	5.5	B1/1000		
BH (60°-80°)	89.7	1.2	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1
2.5°	948.2	946.0	952.4	963.0	973.6	969.4	989.5	1010.7	1025.5	1045.6	1070.0
5°	828.5	833.7	840.1	861.3	875.1	878.2	915.3	942.9	988.4	1035.0	1078.5
7.5°	719.3	725.7	738.4	761.7	790.3	797.7	834.8	889.9	949.2	1010.7	1081.6
10°	639.9	646.2	660.0	674.8	713.0	713.0	763.8	840.1	917.4	989.5	1082.7
12.5°	622.9	626.1	625.0	636.7	661.1	666.4	716.2	799.8	889.9	982.1	1099.7
15°	643.1	645.2	634.6	628.2	649.4	654.7	701.3	775.5	871.9	986.3	1127.2
17.5°	683.3	675.9	654.7	645.2	663.2	666.4	709.8	774.4	869.8	998.0	1159.0
20°	706.6	715.1	678.0	660.0	685.4	689.7	736.3	791.4	880.4	1018.1	1203.5
22.5°	747.9	752.2	702.4	690.7	715.1	715.1	768.1	825.3	905.8	1050.9	1256.5
25°	806.2	800.9	742.6	731.0	754.3	763.8	816.8	879.3	945.0	1081.6	1305.2
27.5°	851.8	854.9	807.3	776.5	815.7	822.1	879.3	937.6	974.6	1107.1	1364.5
30°	919.6	913.2	862.4	827.4	876.1	877.2	932.3	992.7	1031.9	1152.6	1453.5
32.5°	1000.1	987.4	929.1	879.3	918.5	928.0	984.2	1072.1	1120.8	1238.4	1591.2
35°	1170.6	1139.9	1044.6	967.2	970.4	974.6	1061.5	1187.6	1243.7	1347.6	1775.6
37.5°	1419.6	1406.9	1298.8	1151.6	1095.4	1082.7	1180.2	1340.1	1410.1	1491.6	2015.0
40°	1666.4	1648.4	1547.8	1436.5	1334.8	1309.4	1358.2	1542.5	1606.1	1691.9	2260.8
42.5°	1940.8	1909.0	1790.4	1700.3	1636.8	1609.2	1590.2	1796.7	1868.8	1927.1	2501.2
45°	2218.4	2166.5	1994.9	1926.0	1892.1	1877.3	1875.1	2116.7	2160.1	2171.8	2768.2
47.5°	2462.0	2405.9	2250.2	2172.8	2147.4	2143.2	2261.8	2485.4	2451.5	2420.7	3065.9
50°	2649.6	2613.5	2501.2	2473.7	2454.6	2447.2	2724.8	2864.6	2707.8	2653.8	3327.6
52.5°	2939.8	2859.3	2732.2	2741.7	2808.5	2809.5	3194.1	3224.8	2920.8	2813.8	3574.4
55°	3171.8	3118.9	3015.1	3001.3	3177.1	3196.2	3614.7	3498.1	3039.4	2966.3	3665.5
57.5°	3445.2	3420.8	3345.6	3347.7	3532.0	3572.3	3988.6	3729.1	3137.9	3064.8	3679.3
60°	3840.3	3770.4	3731.2	3749.2	3966.4	4005.6	4351.0	3895.4	3185.6	3129.5	3645.4
62.5°	4276.8	4195.2	4152.9	4245.0	4561.8	4568.1	4626.4	4042.7	3156.0	3146.4	3427.2
65°	4802.3	4721.8	4687.9	4873.2	5249.3	5226.0	5013.1	4105.2	3061.7	2975.9	2854.0
67.5°	5325.6	5276.9	5207.0	5502.5	5970.8	5970.8	5414.6	4081.9	2814.8	2389.0	1866.7
70°	5573.5	5607.4	5718.7	6182.7	6679.5	6628.7	5810.8	3813.8	2095.5	1282.9	734.2
72°	5408.2	5373.3	5660.4	6405.1	7116.0	7032.3	5744.1	3032.0	1210.9	562.5	255.3
72.5°	5124.3	5157.2	5552.3	6374.4	7034.4	7103.3	5580.9	2796.8	995.8	448.1	192.8
75°	3142.2	3198.3	4144.4	5412.5	6129.7	6052.4	4317.1	1332.7	382.4	190.7	68.9
77.5°	1147.3	1193.9	2010.7	3406.0	4359.4	4310.7	2498.1	473.6	207.6	142.0	35.0
80°	298.8	323.1	683.3	1571.1	2563.8	2566.9	1045.6	189.6	140.9	116.5	21.2
82.5°	59.3	65.7	209.8	611.3	1198.2	1182.3	330.5	101.7	105.9	95.3	14.8
85°	7.4	9.5	44.5	207.6	387.7	347.5	81.6	50.9	78.4	74.2	9.5
87.5°	1.1	1.1	10.6	47.7	81.6	79.5	17.0	15.9	35.0	45.6	5.3
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°	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1	1072.1
2.5°	1083.8	1088.0	1102.8	1115.6	1130.4	1134.6	1128.3	1138.9	1124.0	1132.5	1134.6
5°	1085.9	1110.3	1137.8	1155.8	1151.6	1141.0	1132.5	1103.9	1083.8	1076.4	1092.2
7.5°	1100.7	1128.3	1157.9	1157.9	1134.6	1079.5	1026.6	975.7	933.3	912.1	930.2
10°	1119.8	1148.4	1179.1	1138.9	1052.0	951.3	876.1	780.8	716.2	682.3	685.4
12.5°	1145.2	1185.5	1196.1	1102.8	958.8	809.4	672.7	540.3	478.8	430.1	431.2
15°	1178.1	1217.3	1185.5	1024.4	840.1	619.8	455.5	329.5	280.7	255.3	255.3
17.5°	1221.5	1251.2	1182.3	952.4	680.1	423.8	279.7	222.5	211.9	207.6	207.6
20°	1272.3	1294.6	1151.6	840.1	505.3	272.3	205.5	199.2	200.2	198.1	198.1
22.5°	1329.5	1337.0	1116.6	709.8	342.2	201.3	191.8	192.8	193.9	191.8	192.8
25°	1389.9	1369.8	1065.8	557.2	227.8	183.3	185.4	187.5	188.6	189.6	189.6
27.5°	1457.7	1417.5	994.8	407.9	178.0	172.7	179.0	185.4	186.5	186.5	185.4
30°	1557.3	1490.6	925.9	276.5	156.8	161.0	171.6	179.0	184.3	184.3	183.3
32.5°	1683.4	1566.9	829.5	188.6	145.1	147.3	155.7	170.6	182.2	183.3	180.1
35°	1858.2	1659.0	728.9	150.4	136.7	137.7	143.0	154.7	174.8	181.2	180.1
37.5°	2042.5	1763.9	603.9	135.6	130.3	129.2	132.4	142.0	160.0	175.9	176.9
40°	2238.5	1874.1	472.5	128.2	125.0	122.9	124.0	128.2	142.0	162.1	166.3
42.5°	2422.9	1973.7	354.9	120.8	119.7	117.6	117.6	118.7	126.1	139.8	142.0
45°	2622.0	2055.2	270.1	115.5	112.3	113.4	109.1	107.0	112.3	113.4	112.3
47.5°	2808.5	2136.8	216.1	109.1	105.9	105.9	100.6	96.4	96.4	86.9	85.8
50°	2983.3	2181.3	172.7	100.6	99.6	98.5	91.1	83.7	77.3	65.7	63.6
52.5°	3128.4	2179.2	133.5	90.0	93.2	90.0	78.4	67.8	58.3	47.7	45.6
55°	3171.8	2077.5	100.6	74.2	79.5	75.2	62.5	53.0	42.4	33.9	32.8
57.5°	3134.8	1922.8	76.3	57.2	61.4	57.2	47.7	39.2	29.7	23.3	21.2
60°	3010.8	1741.7	59.3	44.5	46.6	43.4	36.0	29.7	21.2	14.8	12.7
62.5°	2775.6	1514.9	45.6	35.0	33.9	33.9	27.5	22.2	14.8	8.5	7.4
65°	2277.7	1181.2	35.0	24.4	24.4	24.4	21.2	15.9	9.5	4.2	2.1
67.5°	1430.2	687.6	28.6	19.1	18.0	18.0	14.8	10.6	5.3	1.1	0.0
70°	538.2	252.1	22.2	14.8	13.8	13.8	10.6	6.4	3.2	0.0	0.0
72°	185.4	96.4	18.0	10.6	10.6	9.5	7.4	5.3	2.1	0.0	0.0
72.5°	152.6	77.3	17.0	10.6	9.5	9.5	7.4	5.3	2.1	0.0	0.0
75°	55.1	31.8	11.7	7.4	6.4	6.4	5.3	3.2	1.1	0.0	0.0
77.5°	27.5	20.1	9.5	6.4	5.3	3.2	3.2	2.1	1.1	0.0	0.0
80°	17.0	12.7	5.3	4.2	3.2	2.1	1.1	1.1	0.0	0.0	0.0
82.5°	11.7	7.4	3.2	3.2	2.1	1.1	0.0	0.0	0.0	0.0	0.0
85°	7.4	3.2	2.1	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	2.1	1.1	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

(END OF REPORT)