

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: P482286

Luminaire Tested: **IFLD-S-SA2B-722-U-T3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482286  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-722-U-T3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens with House Side Shield  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

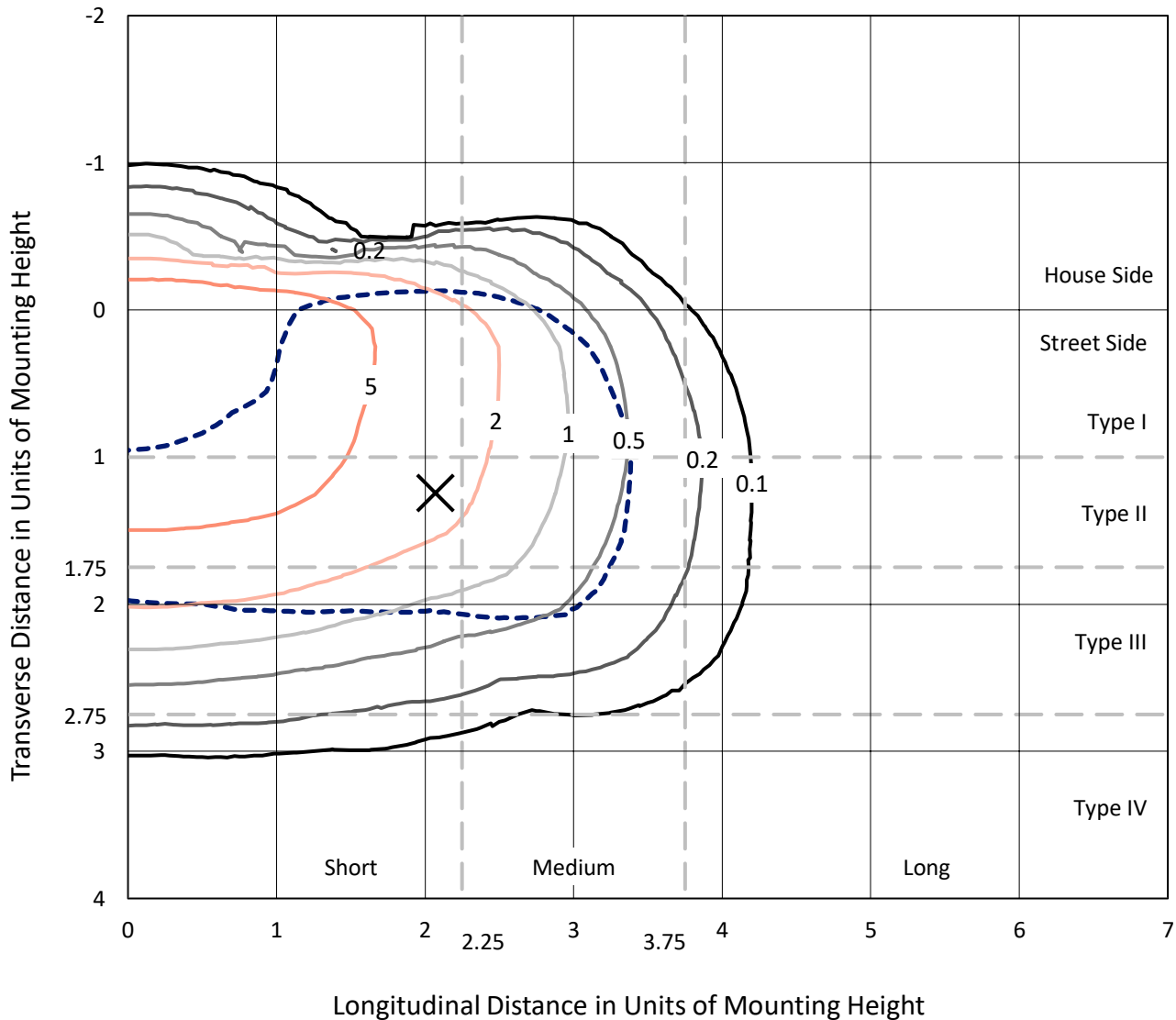
Lumens per Lamp: N/A  
Luminaire Lumens: 6240.7 lumens  
Efficiency: N/A  
Efficacy: 75.7 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.4  
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

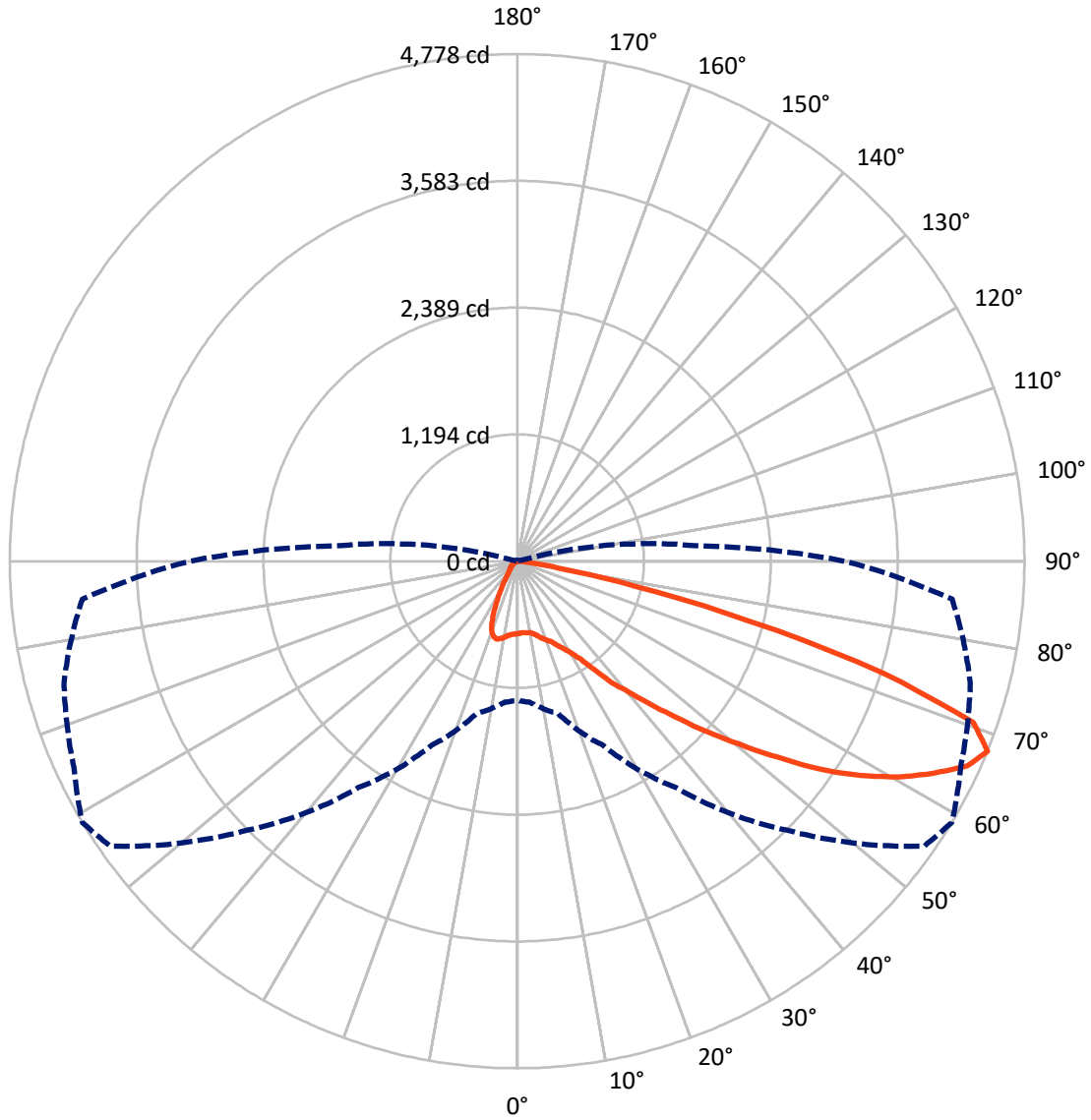
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	733.1	0.0	733.1
	% Fixture	11.7	0.0	11.7
<b>Street Side</b>	Lumens	5507.6	0.0	5507.6
	% Fixture	88.3	0.0	88.3
<b>Total</b>	Lumens	6240.7	0.0	6240.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.0	1.0
10°-20°	187.8	3.0
20°-30°	328.3	5.3
30°-40°	577.9	9.3
40°-50°	1021.6	16.4
50°-60°	1617.5	25.9
60°-70°	1794.3	28.8
70°-80°	622.6	10.0
80°-90°	25.6	0.4
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°	6240.7	100.0
0°-180°	6240.7	100.0

**Coefficient of Utilization**

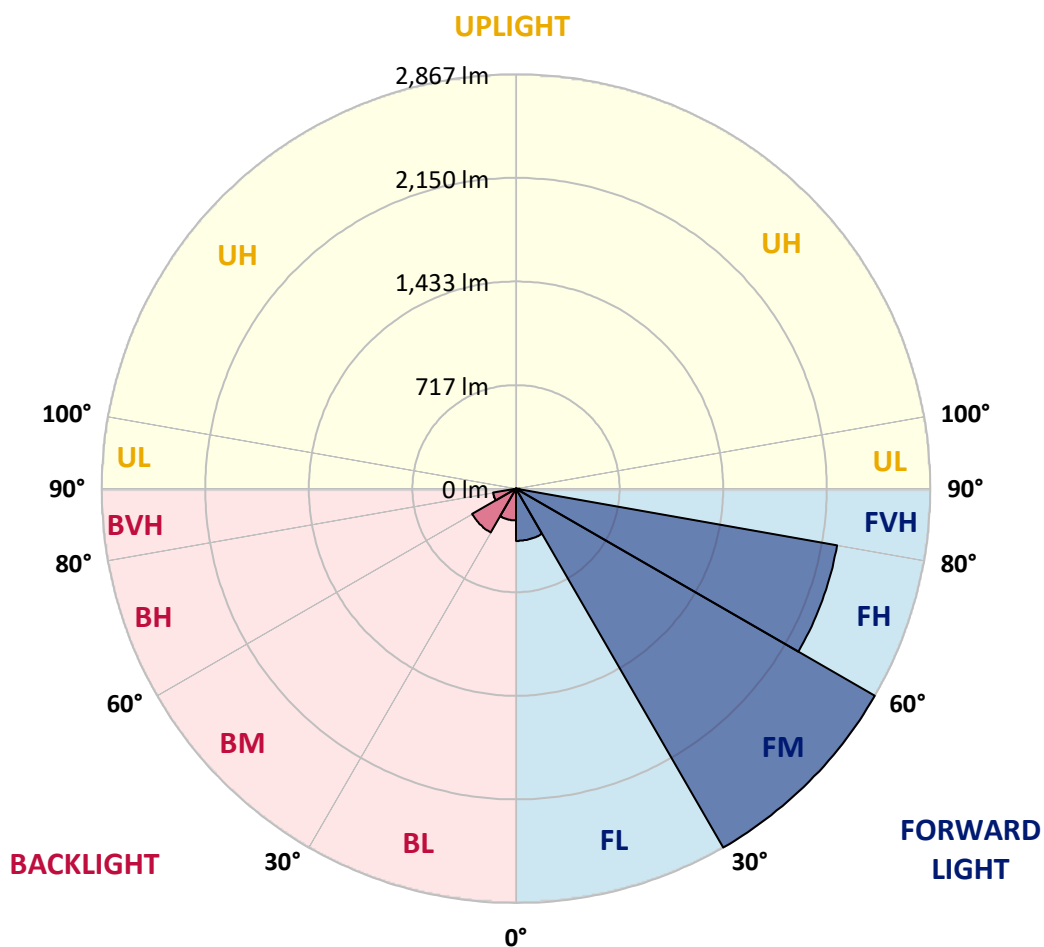


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	361.4	5.8			
FM (30°-60°)	2866.6	45.9			
FH (60°-80°)	2255.7	36.1			G2/5000
FVH (80°-90°)	24.0	0.4			G1/100
BL (0°-30°)	219.7	3.5	B1/500		
BM (30°-60°)	350.5	5.6	B1/1000		
BH (60°-80°)	161.2	2.6	B1/500		G1/500
BVH (80°-90°)	1.7	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5
2.5°	664.7	655.2	663.8	664.7	665.5	673.3	681.9	675.9	675.0	681.9	687.9
5°	637.9	633.6	644.0	649.1	657.8	664.7	678.5	679.3	680.2	687.9	698.3
7.5°	626.7	616.4	628.5	634.5	640.5	656.9	673.3	681.9	694.0	703.5	713.8
10°	604.3	612.1	615.5	625.9	643.1	662.1	681.9	686.2	712.9	720.7	745.7
12.5°	612.1	617.2	624.1	626.7	645.7	674.1	700.9	702.6	730.2	763.8	776.7
15°	631.9	628.5	631.0	634.5	656.9	680.2	723.3	731.0	756.9	794.8	826.7
17.5°	674.1	668.1	663.8	662.9	668.1	689.7	740.5	763.8	787.9	839.7	856.0
20°	780.2	775.0	757.8	712.9	697.4	706.0	761.2	794.0	827.6	885.4	912.1
22.5°	941.4	946.6	906.0	843.1	778.5	744.8	794.0	822.4	875.9	949.1	973.3
25°	1131.9	1121.6	1072.4	999.1	897.4	818.1	846.6	878.5	944.0	1004.3	1013.8
27.5°	1281.0	1269.0	1231.0	1142.3	1054.3	925.9	915.5	935.4	1012.9	1067.3	1056.9
30°	1428.5	1432.8	1406.9	1301.7	1193.1	1057.8	992.3	1000.9	1060.4	1130.2	1106.9
32.5°	1616.4	1606.0	1591.4	1499.2	1370.7	1225.9	1113.8	1100.0	1125.9	1218.1	1190.5
35°	1791.4	1785.4	1765.5	1672.4	1560.4	1402.6	1293.1	1262.1	1256.0	1358.6	1310.4
37.5°	1944.0	1933.6	1903.5	1844.0	1735.4	1602.6	1482.8	1455.2	1454.3	1525.0	1431.9
40°	2072.4	2080.2	2076.7	2011.2	1951.7	1845.7	1662.1	1618.1	1614.7	1652.6	1598.3
42.5°	2238.8	2256.9	2247.4	2234.5	2163.0	2121.6	1913.8	1846.6	1816.4	1894.0	1844.8
45°	2490.5	2497.4	2503.5	2471.6	2400.0	2408.6	2174.2	2094.0	2086.2	2201.7	2091.4
47.5°	2725.9	2707.8	2750.0	2751.8	2748.3	2708.6	2455.2	2395.7	2406.1	2494.0	2380.2
50°	2784.5	2831.1	2947.4	2969.0	3025.0	3061.2	2767.3	2707.8	2725.0	2825.0	2694.9
52.5°	2830.2	2900.9	3017.3	3175.0	3325.9	3412.1	3116.4	3068.1	3067.3	3128.5	2949.2
55°	2910.4	2953.5	3054.3	3271.6	3558.7	3700.0	3537.1	3459.5	3389.7	3432.8	3213.0
57.5°	2902.6	2919.0	3075.9	3344.0	3743.1	4000.0	3882.8	3808.7	3719.0	3694.0	3516.4
60°	2766.4	2805.2	2981.1	3294.9	3856.9	4233.7	4205.2	4129.3	3975.0	3916.4	3749.2
62.5°	2496.6	2548.3	2686.2	3122.4	3691.4	4245.7	4427.6	4399.2	4226.8	4121.6	4052.6
65°	2023.3	2047.4	2206.1	2684.5	3317.3	4060.4	4690.6	4655.2	4496.6	4339.7	4208.7
67.5°	1310.4	1333.6	1486.2	1916.4	2605.2	3581.9	4680.2	4777.6	4606.1	4417.3	4111.2
70°	619.0	612.9	755.2	1064.7	1669.0	2735.4	4363.8	4556.1	4410.4	4004.3	3414.7
72.5°	188.8	205.2	313.8	471.6	856.9	1706.1	3420.7	3600.9	3555.2	3199.2	2279.3
75°	83.6	90.5	123.3	193.1	347.4	700.0	2113.0	2273.3	2253.5	1887.1	1040.5
77.5°	53.4	58.6	77.6	110.3	157.8	222.4	973.3	1129.3	1094.8	662.9	272.4
80°	37.9	40.5	55.2	75.9	99.1	91.4	335.3	398.3	381.9	180.2	73.3
82.5°	20.7	22.4	40.5	56.0	66.4	46.6	94.0	117.2	122.4	80.2	35.3
85°	7.8	9.5	25.0	39.7	34.5	21.6	27.6	33.6	44.0	44.0	16.4
87.5°	0.0	0.9	10.3	17.2	8.6	6.0	7.8	9.5	12.1	20.7	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5	684.5
2.5°	692.2	686.2	688.8	693.1	683.6	688.8	678.5	686.2	688.8	678.5	683.6
5°	700.9	706.9	703.5	696.6	690.5	692.2	689.7	683.6	688.8	690.5	687.1
7.5°	725.9	719.0	720.7	712.9	700.9	700.0	683.6	679.3	681.0	682.8	676.7
10°	749.1	753.5	744.8	738.8	719.0	706.0	683.6	659.5	656.9	646.6	655.2
12.5°	790.5	780.2	776.7	756.9	737.1	694.0	645.7	608.6	577.6	566.4	555.2
15°	825.0	823.3	817.2	787.1	741.4	662.9	571.6	485.3	425.9	388.8	383.6
17.5°	872.4	864.7	853.5	806.0	709.5	581.9	425.9	317.2	257.8	234.5	225.9
20°	908.6	902.6	887.1	801.7	651.7	433.6	263.8	201.7	187.1	182.8	183.6
22.5°	961.2	942.3	912.9	780.2	546.6	288.8	189.7	180.2	177.6	174.1	175.0
25°	1006.9	989.7	928.5	743.1	389.7	191.4	175.9	170.7	166.4	162.1	161.2
27.5°	1047.4	1025.9	944.8	667.2	244.0	164.7	162.9	156.9	148.3	141.4	138.8
30°	1087.1	1062.1	949.1	525.0	164.7	149.1	144.8	135.3	124.1	114.7	112.9
32.5°	1153.5	1123.3	943.1	375.0	142.2	132.8	123.3	112.1	95.7	87.9	86.2
35°	1256.9	1211.2	935.4	220.7	127.6	117.2	102.6	87.9	75.9	68.1	66.4
37.5°	1375.9	1296.6	912.9	147.4	117.2	103.4	84.5	69.8	59.5	53.4	51.7
40°	1552.6	1421.6	826.7	120.7	104.3	87.9	68.1	55.2	47.4	43.1	41.4
42.5°	1747.4	1564.7	694.0	108.6	92.2	75.0	54.3	44.8	38.8	34.5	34.5
45°	1981.1	1713.8	535.3	99.1	81.9	62.1	44.8	36.2	31.0	27.6	25.9
47.5°	2241.4	1849.2	361.2	89.7	69.0	50.9	37.1	27.6	22.4	19.8	19.8
50°	2474.2	1969.0	230.2	78.4	60.3	42.2	30.2	22.4	18.1	14.7	13.8
52.5°	2685.4	2060.4	158.6	69.0	51.7	34.5	25.0	18.1	13.8	11.2	11.2
55°	2901.8	2106.9	117.2	59.5	44.8	29.3	20.7	16.4	12.1	9.5	8.6
57.5°	3079.3	2126.7	89.7	51.7	37.9	23.3	18.1	13.8	10.3	7.8	6.9
60°	3231.1	2117.3	69.8	43.1	30.2	19.8	15.5	11.2	8.6	6.0	5.2
62.5°	3319.9	2060.4	55.2	37.1	24.1	17.2	12.9	9.5	6.0	4.3	3.4
65°	3321.6	1939.7	43.1	27.6	18.1	14.7	11.2	7.8	4.3	1.7	0.9
67.5°	3083.6	1678.5	34.5	21.6	14.7	11.2	8.6	6.0	1.7	0.0	0.0
70°	2412.1	1269.8	28.4	17.2	12.1	9.5	6.0	3.4	0.9	0.0	0.0
72.5°	1537.1	760.4	23.3	13.8	10.3	6.9	4.3	2.6	0.0	0.0	0.0
75°	643.1	234.5	18.1	12.1	7.8	5.2	3.4	0.9	0.0	0.0	0.0
77.5°	165.5	74.1	14.7	10.3	7.8	4.3	2.6	0.9	0.0	0.0	0.0
80°	49.1	27.6	12.1	8.6	6.0	3.4	1.7	0.9	0.0	0.0	0.0
82.5°	22.4	16.4	10.3	7.8	5.2	3.4	1.7	0.0	0.0	0.0	0.0
85°	8.6	5.2	5.2	4.3	4.3	2.6	0.9	0.0	0.0	0.0	0.0
87.5°	3.4	1.7	1.7	1.7	0.9	0.9	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)