

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: P482753

Luminaire Tested: **IFLD-S-SA2A-730-U-T3R-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482753  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-730-U-T3R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R  
distribution lens with House Side Shield  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

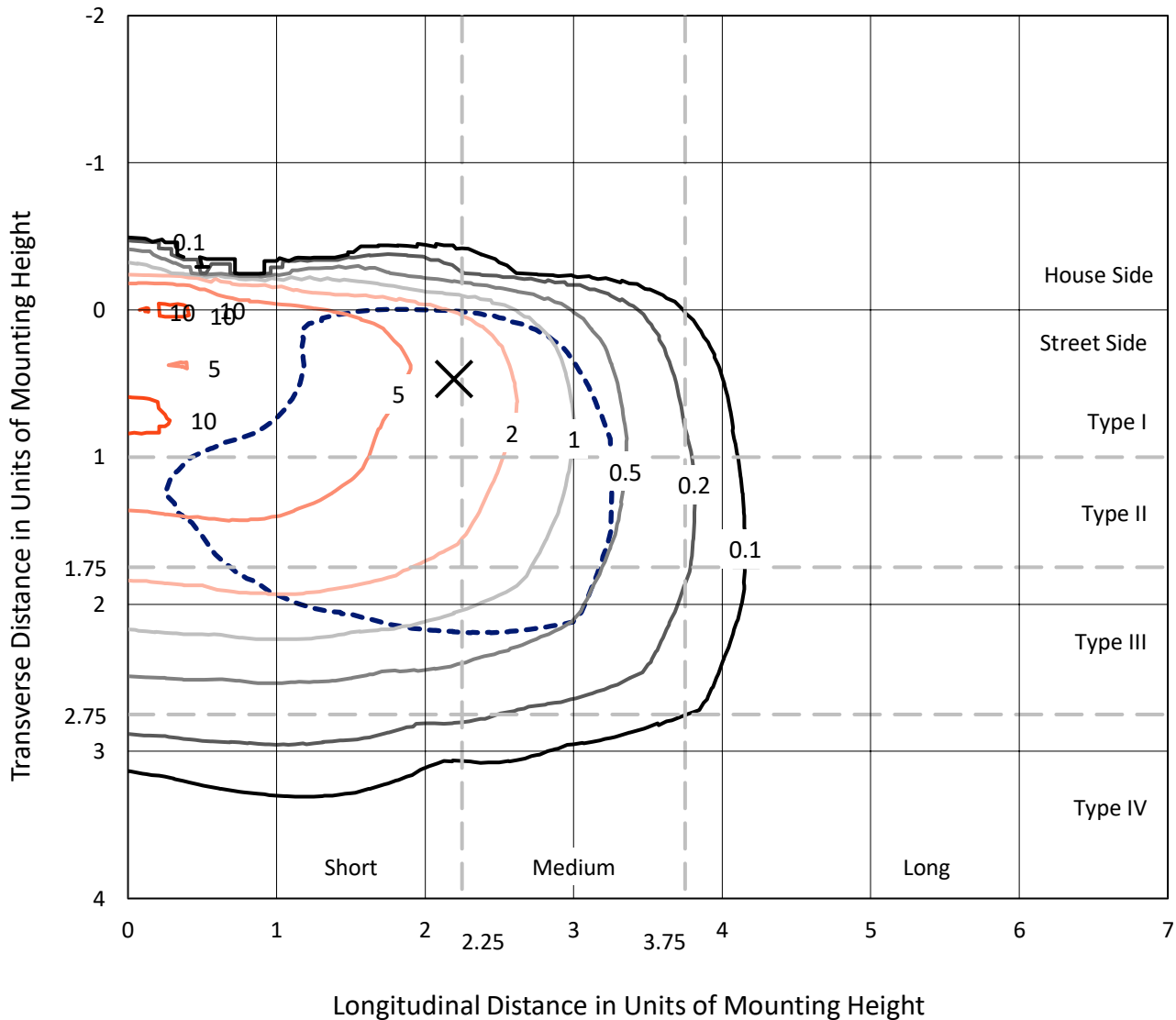
Lumens per Lamp: N/A  
Luminaire Lumens: 6026.2 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 63.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

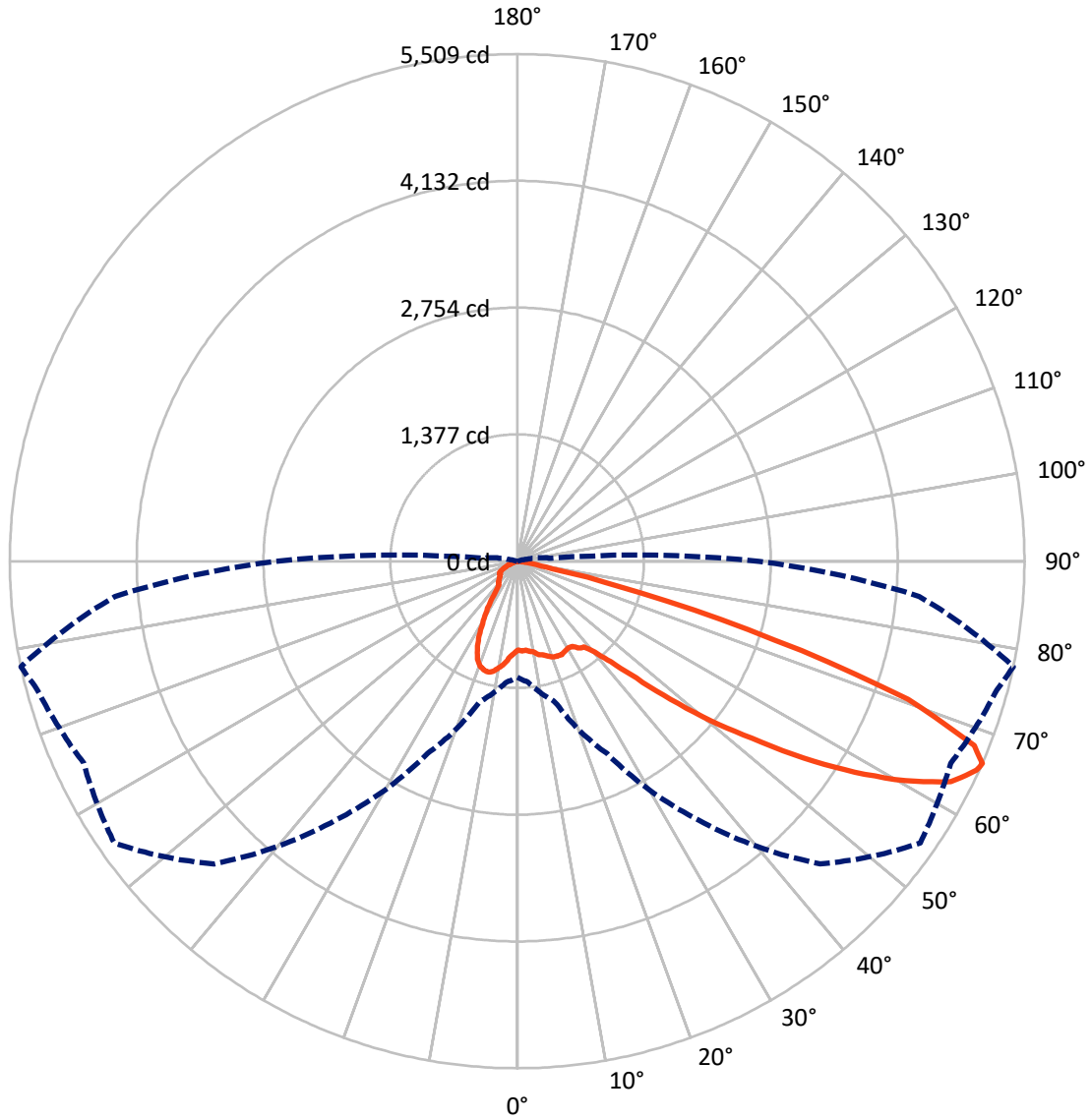
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	423.7	0.0	423.7
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	5602.5	0.0	5602.5
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	6026.2	0.0	6026.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.3	1.5
10°-20°	199.3	3.3
20°-30°	284.9	4.7
30°-40°	487.7	8.1
40°-50°	880.2	14.6
50°-60°	1505.3	25.0
60°-70°	1852.7	30.7
70°-80°	700.4	11.6
80°-90°	27.4	0.5
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°	6026.2	100.0
0°-180°	6026.2	100.0

**Coefficient of Utilization**

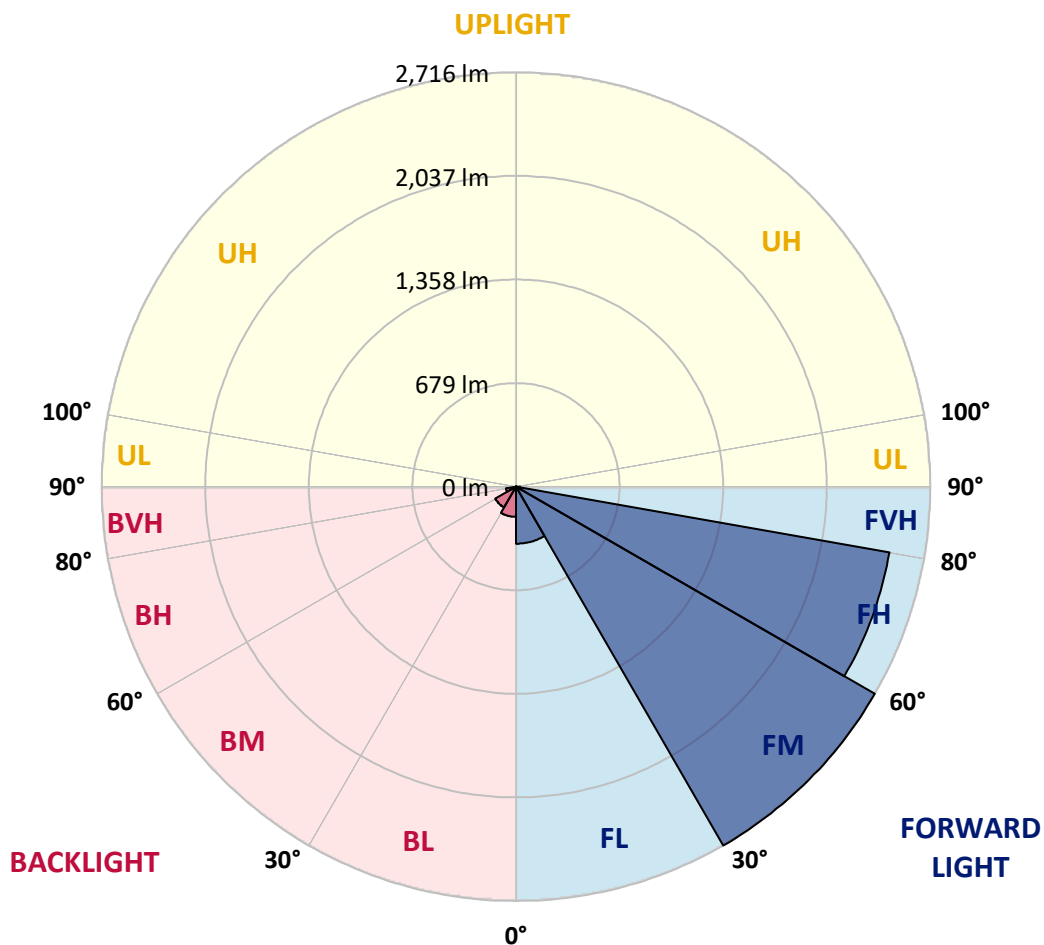


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.1	6.2			
FM (30°-60°)	2716.1	45.1			
FH (60°-80°)	2486.0	41.3			G2/5000
FVH (80°-90°)	26.3	0.4			G1/100
BL (0°-30°)	198.4	3.3	B1/500		
BM (30°-60°)	157.0	2.6	B0/220		
BH (60°-80°)	67.1	1.1	B0/110		G0/110
BVH (80°-90°)	1.1	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°	65°	75°	78°	85°
0°	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2
2.5°	887.8	879.6	887.8	899.6	906.0	911.5	930.6	947.0	964.3	976.1	972.5
5°	823.2	838.6	840.5	844.1	854.1	886.9	897.8	926.0	968.8	972.5	988.9
7.5°	772.2	767.6	779.4	803.1	828.6	847.7	879.6	928.8	973.4	988.9	1020.7
10°	698.4	707.5	720.3	743.9	774.9	822.2	878.7	933.3	997.1	1002.5	1061.7
12.5°	658.3	649.2	669.3	693.9	746.7	790.4	859.6	925.1	1011.6	1041.7	1110.0
15°	625.6	630.1	649.2	665.6	709.3	764.9	845.9	945.2	1036.2	1057.2	1161.0
17.5°	611.9	609.2	623.7	640.1	693.9	756.7	840.5	946.1	1058.1	1085.4	1195.6
20°	618.3	623.7	619.2	634.7	668.4	732.1	848.6	963.4	1074.5	1111.8	1232.9
22.5°	718.4	711.2	674.7	645.6	647.4	722.1	842.3	974.3	1089.0	1119.1	1258.4
25°	979.8	940.6	850.5	738.5	664.7	694.8	835.0	970.7	1086.3	1123.6	1273.9
27.5°	1242.9	1209.2	1120.9	947.0	734.8	683.8	809.5	973.4	1072.6	1107.2	1248.4
30°	1520.6	1538.9	1407.7	1201.0	918.8	743.9	793.1	958.8	1063.5	1092.7	1253.9
32.5°	1805.7	1798.4	1719.2	1495.2	1181.9	876.9	819.5	973.4	1075.4	1103.6	1285.7
35°	2028.7	2003.2	1923.1	1721.0	1399.5	1077.2	910.6	1042.6	1127.3	1161.0	1331.2
37.5°	2138.9	2149.8	2103.4	1927.7	1638.1	1263.0	1024.4	1042.6	1143.7	1182.8	1405.0
40°	2224.5	2257.3	2240.0	2183.5	1874.9	1472.4	1150.0	1107.2	1226.5	1300.3	1543.4
42.5°	2327.4	2311.9	2413.9	2362.0	2184.5	1736.5	1370.4	1261.1	1422.3	1493.3	1751.0
45°	2382.0	2441.2	2518.6	2585.1	2471.3	2066.1	1658.1	1533.4	1721.9	1812.0	2059.7
47.5°	2522.3	2545.9	2671.6	2755.4	2704.4	2443.1	2095.2	1931.3	2098.9	2240.9	2413.0
50°	2604.2	2572.4	2748.1	2875.6	2904.7	2755.4	2486.8	2359.3	2546.9	2728.1	2743.5
52.5°	2532.3	2623.3	2799.1	3027.6	3108.7	3034.0	2946.6	2891.1	3023.1	3190.6	3116.0
55°	2280.1	2342.0	2769.9	3194.3	3455.6	3421.0	3502.0	3465.6	3598.6	3776.1	3551.2
57.5°	2077.0	2154.4	2530.5	3280.8	3778.9	3880.8	3982.8	3960.1	4120.3	4325.2	3920.0
60°	1950.4	1995.1	2357.5	3258.9	3970.1	4356.2	4586.5	4426.3	4687.6	4844.2	4208.6
62.5°	1731.0	1759.2	2105.2	2969.4	4027.4	4692.2	5082.8	4865.2	5091.9	5283.1	4416.3
65°	1387.7	1464.2	1750.1	2535.9	3648.6	4754.1	5392.4	5136.5	5356.0	5481.6	4479.1
66°	1263.0	1318.5	1580.7	2306.5	3432.8	4651.2	5340.5	5193.0	5394.2	5508.9	4382.6
67.5°	1048.1	1096.3	1304.8	1979.6	2991.2	4424.4	5376.9	5154.7	5423.3	5353.2	4253.3
70°	693.9	724.8	892.4	1338.5	2083.4	3619.5	4987.2	4856.1	4767.7	4504.6	3325.4
72.5°	324.2	368.8	557.3	811.3	1222.0	2532.3	4066.6	3890.9	3343.6	2922.9	2097.9
75°	146.6	166.6	306.0	465.3	548.2	1312.1	2623.3	2369.3	1664.5	1382.2	918.8
77.5°	79.2	90.1	149.3	221.3	199.4	459.8	1298.5	1079.9	524.5	384.3	266.8
80°	61.0	71.9	124.7	126.6	73.8	119.3	482.6	334.2	131.1	99.3	63.7
82.5°	31.9	45.5	98.3	82.0	37.3	48.3	149.3	92.9	41.0	32.8	27.3
85°	12.7	20.0	55.5	54.6	21.9	16.4	41.9	28.2	16.4	13.7	12.7
87.5°	0.9	0.9	30.0	20.9	13.7	4.6	6.4	6.4	8.2	7.3	9.1
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2	965.2
2.5°	988.9	999.8	1001.6	1031.7	1038.0	1031.7	1048.1	1045.3	1052.6	1047.2	1037.1
5°	1011.6	1027.1	1057.2	1079.9	1079.9	1061.7	1047.2	1028.0	999.8	992.5	987.1
7.5°	1050.8	1100.0	1127.3	1112.7	1083.6	1015.3	920.6	851.4	793.1	771.3	761.2
10°	1120.0	1147.3	1179.2	1120.0	998.9	854.1	694.8	590.0	508.1	489.9	476.2
12.5°	1164.6	1208.3	1226.5	1079.9	842.3	626.5	453.5	335.1	277.7	234.0	226.7
15°	1222.9	1273.0	1235.6	971.6	663.8	410.7	234.9	146.6	119.3	112.0	112.0
17.5°	1263.0	1317.6	1198.3	836.8	470.8	218.5	116.6	101.1	99.3	100.2	98.3
20°	1333.1	1365.9	1141.9	680.2	281.4	112.0	93.8	90.1	88.3	91.1	89.2
22.5°	1359.5	1389.5	1049.9	492.6	126.6	74.7	70.1	67.4	69.2	68.3	67.4
25°	1357.7	1373.1	898.7	282.3	37.3	29.1	26.4	26.4	24.6	25.5	24.6
27.5°	1371.3	1333.1	729.4	83.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	1378.6	1268.4	519.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1382.2	1234.7	334.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	1410.5	1167.3	143.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1429.6	1080.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1508.8	1053.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1611.7	1002.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1754.7	927.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1944.1	882.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2085.2	812.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2264.6	770.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2477.7	772.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2671.6	759.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2770.9	649.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2749.9	525.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2677.1	412.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	2627.0	365.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2474.9	292.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1969.6	200.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1252.9	122.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	577.3	56.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	181.2	34.6	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	47.3	21.9	7.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	24.6	15.5	6.4	2.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.5	6.4	2.7	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.7	3.6	1.8	1.8	0.9	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)