

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: P565422

Luminaire Tested: **IFLD-S-SA3A-AMB-U-SL4-HSS**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565422  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-AMB-U-SL4-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ SL4 distribution lens and House Side Shield  
Light Source: (48) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

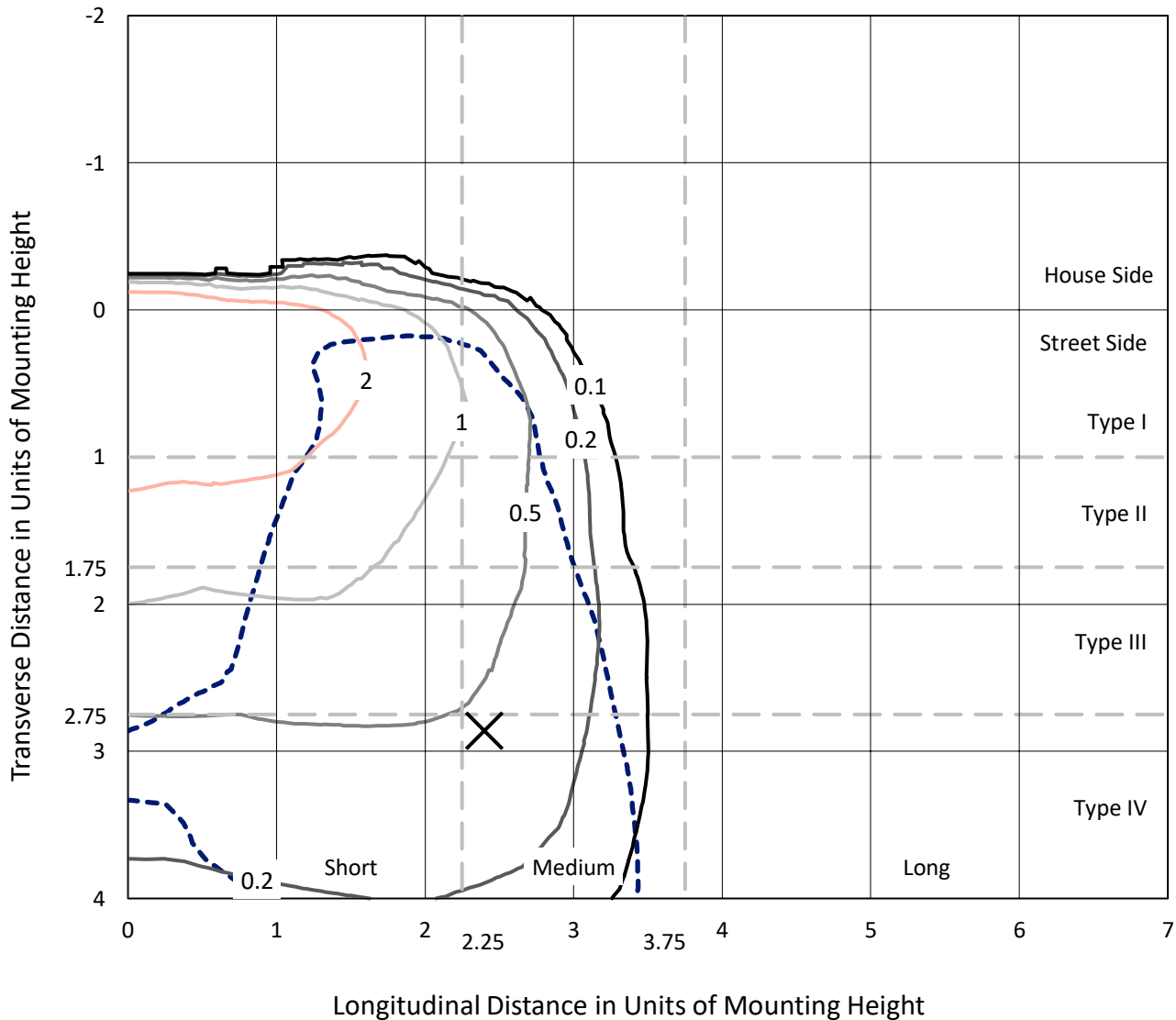
Lumens per Lamp: N/A  
Luminaire Lumens: 2702.7 lumens  
Efficiency: N/A  
Efficacy: 44.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B0 - U0 - G1

Input Watts (W): 61.2  
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

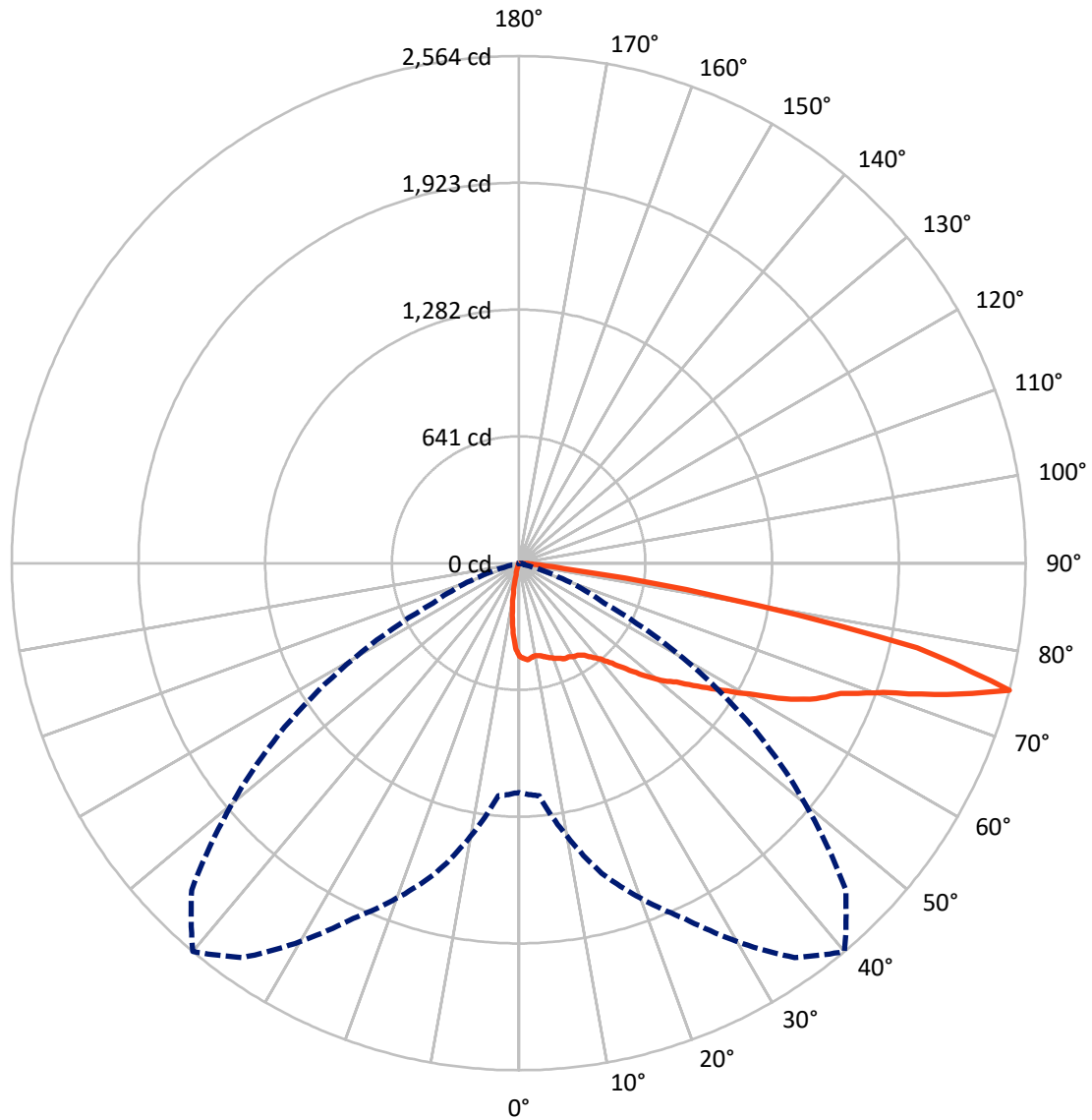
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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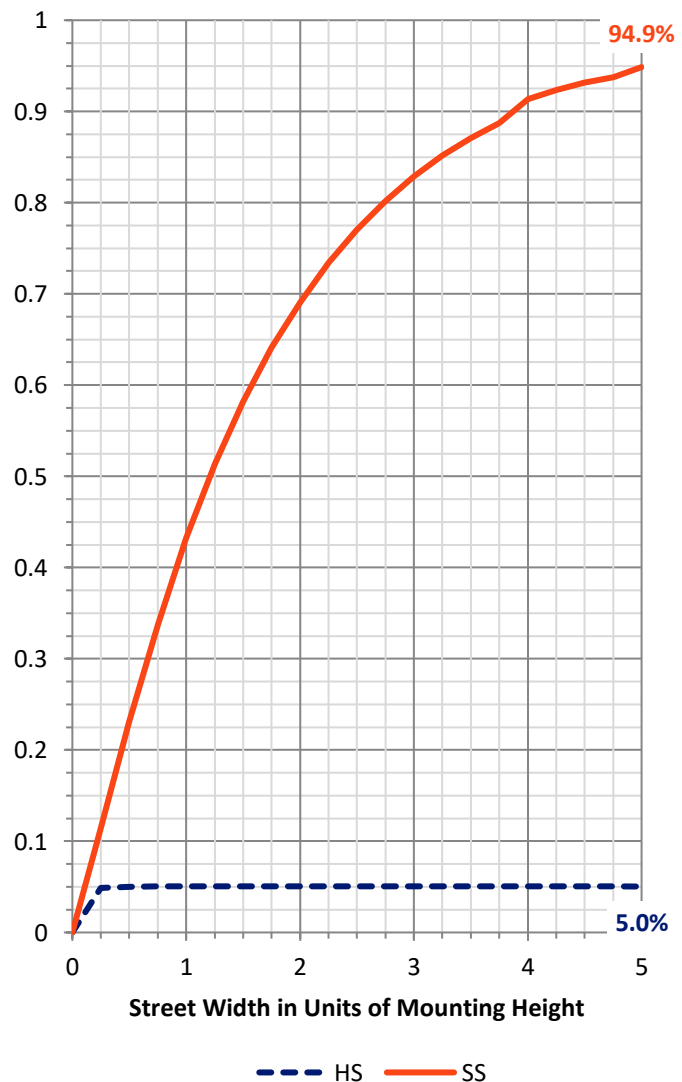
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	136.6	0.0	136.6
	% Fixture	5.1	0.0	5.1
<b>Street Side</b>	Lumens	2566.1	0.0	2566.1
	% Fixture	94.9	0.0	94.9
<b>Total</b>	Lumens	2702.7	0.0	2702.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.1	1.4
10°-20°	87.6	3.2
20°-30°	136.9	5.1
30°-40°	201.6	7.5
40°-50°	326.8	12.1
50°-60°	517.5	19.1
60°-70°	722.0	26.7
70°-80°	611.3	22.6
80°-90°	61.0	2.3
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°	2702.7	100.0
0°-180°	2702.7	100.0

**Coefficient of Utilization**

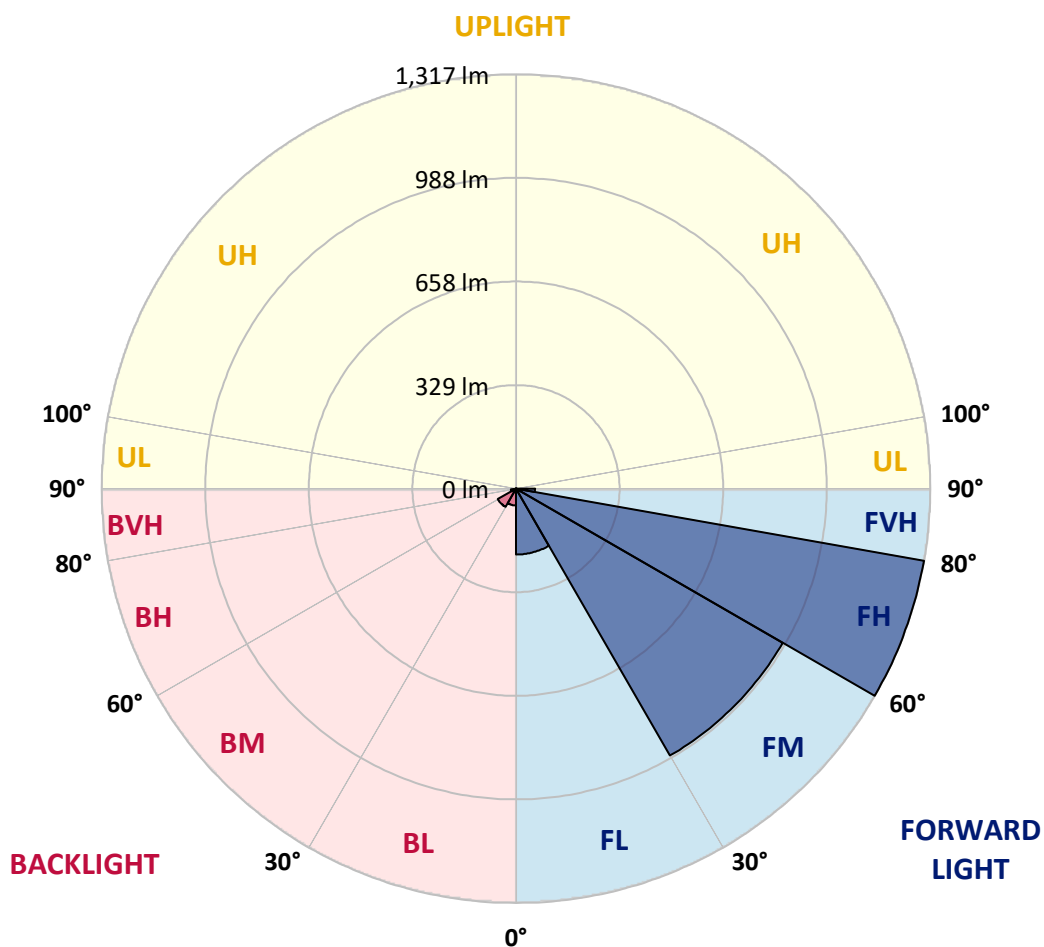


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.3	7.7			
FM (30°-60°)	979.1	36.2			
FH (60°-80°)	1316.8	48.7			G1/1800
FVH (80°-90°)	60.9	2.3			G1/100
BL (0°-30°)	53.3	2.0	B0/110		
BM (30°-60°)	66.7	2.5	B0/220		
BH (60°-80°)	16.5	0.6	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1
2.5°	495.1	485.9	489.6	485.9	480.4	482.2	478.5	480.4	480.4	482.2	474.8
5°	485.9	489.6	495.1	484.0	480.4	491.4	482.2	485.9	476.7	467.5	467.5
7.5°	474.8	484.0	484.0	478.5	482.2	480.4	480.4	473.0	473.0	463.8	454.6
10°	465.6	471.1	471.1	476.7	476.7	474.8	476.7	467.5	465.6	458.3	452.7
12.5°	456.4	461.9	471.1	473.0	482.2	480.4	482.2	471.1	471.1	469.3	450.9
15°	465.6	458.3	469.3	484.0	487.7	491.4	495.1	487.7	480.4	474.8	454.6
17.5°	467.5	463.8	473.0	493.2	493.2	502.4	506.1	498.8	480.4	471.1	456.4
20°	482.2	476.7	484.0	506.1	508.0	513.5	513.5	509.8	491.4	480.4	469.3
22.5°	491.4	487.7	491.4	517.2	522.7	522.7	520.8	515.3	498.8	493.2	478.5
25°	513.5	513.5	509.8	528.2	531.9	535.6	531.9	515.3	496.9	504.3	487.7
27.5°	520.8	530.0	524.5	533.7	539.2	537.4	537.4	517.2	496.9	506.1	502.4
30°	554.0	550.3	541.1	554.0	548.4	548.4	542.9	520.8	515.3	530.0	517.2
32.5°	585.3	576.1	566.9	561.3	552.1	554.0	554.0	541.1	524.5	565.0	550.3
35°	616.5	603.7	600.0	590.8	565.0	572.4	574.2	555.8	552.1	590.8	577.9
37.5°	644.1	634.9	623.9	609.2	596.3	603.7	598.1	577.9	590.8	655.2	622.1
40°	660.7	664.4	651.5	658.9	640.5	636.8	642.3	629.4	642.3	723.3	684.6
42.5°	699.4	690.2	690.2	681.0	686.5	692.0	697.5	690.2	721.4	815.3	771.1
45°	708.6	710.4	714.1	730.6	743.5	763.8	776.7	743.5	806.1	936.8	868.7
47.5°	743.5	741.7	734.3	782.2	813.5	844.8	863.2	833.7	901.8	1043.5	969.9
50°	789.5	771.1	758.3	835.6	883.4	931.3	934.9	931.3	1010.4	1176.0	1063.8
52.5°	813.5	807.9	789.5	888.9	957.0	999.4	1045.4	1027.0	1141.1	1315.9	1137.4
55°	865.0	857.6	826.4	960.7	1041.7	1096.9	1146.6	1157.6	1262.5	1430.0	1181.6
57.5°	957.0	918.4	887.1	1023.3	1146.6	1211.0	1269.9	1297.5	1398.7	1466.8	1214.7
60°	1034.3	992.0	975.4	1096.9	1266.2	1343.5	1402.4	1444.7	1466.8	1498.1	1262.5
62.5°	1106.1	1067.4	1043.5	1209.2	1422.7	1511.0	1551.5	1525.7	1498.1	1557.0	1303.0
65°	1135.5	1137.4	1119.0	1326.9	1586.4	1654.5	1665.6	1595.7	1580.9	1643.5	1304.9
67.5°	1200.0	1201.8	1201.8	1452.1	1750.2	1757.6	1763.1	1728.2	1724.5	1707.9	1185.2
70°	1253.3	1273.6	1328.8	1592.0	1895.6	1956.4	2000.5	1926.9	1755.8	1437.4	675.4
72.5°	1328.8	1336.2	1479.7	1757.6	2120.2	2267.4	2335.5	2042.9	1314.1	657.0	90.2
75°	1159.5	1181.6	1623.3	1982.1	2434.9	2563.7	2339.2	1444.7	478.5	35.0	0.0
77.5°	509.8	579.7	1223.9	1895.6	2230.6	2061.3	1540.4	592.6	60.7	0.0	0.0
80°	235.6	252.1	388.3	1010.4	1203.6	1015.9	646.0	211.6	35.0	0.0	0.0
82.5°	167.5	167.5	187.7	242.9	283.4	231.9	167.5	150.9	27.6	0.0	0.0
85°	29.4	27.6	110.4	143.6	115.9	77.3	77.3	176.7	16.6	7.4	7.4
87.5°	0.0	0.0	18.4	64.4	55.2	25.8	35.0	64.4	1.8	3.7	3.7
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°	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1
2.5°	471.1	473.0	456.4	452.7	439.9	438.0	423.3	412.3	410.4	403.1	406.7
5°	456.4	450.9	441.7	414.1	388.3	366.2	342.3	325.8	314.7	298.1	305.5
7.5°	447.2	439.9	414.1	379.1	335.0	285.3	246.6	211.6	193.2	182.2	182.2
10°	438.0	432.5	393.9	336.8	265.0	200.6	143.6	97.5	73.6	55.2	60.7
12.5°	439.9	423.3	373.6	296.3	202.4	114.1	51.5	22.1	14.7	11.0	9.2
15°	447.2	421.5	355.2	246.6	132.5	40.5	11.0	7.4	5.5	5.5	5.5
17.5°	447.2	423.3	329.4	191.4	64.4	9.2	3.7	3.7	3.7	3.7	1.8
20°	449.1	425.1	309.2	136.2	20.2	1.8	0.0	0.0	0.0	0.0	0.0
22.5°	456.4	423.3	274.2	79.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0
25°	458.3	417.8	241.1	31.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	465.6	408.6	202.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	480.4	404.9	158.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	491.4	410.4	108.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	511.6	404.9	51.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	541.1	406.7	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	587.1	417.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	642.3	439.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	710.4	458.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	778.5	473.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	842.9	489.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	898.1	478.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	925.7	428.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	923.9	371.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	938.6	309.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	951.5	222.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	909.2	106.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	699.4	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	283.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	1.8	1.8	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)