

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: P565418

Luminaire Tested: **IFLD-M-SA4A-AMB-U-SL3-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565418
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-AMB-U-SL3-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ SL3 distribution lens and House Side Shield
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

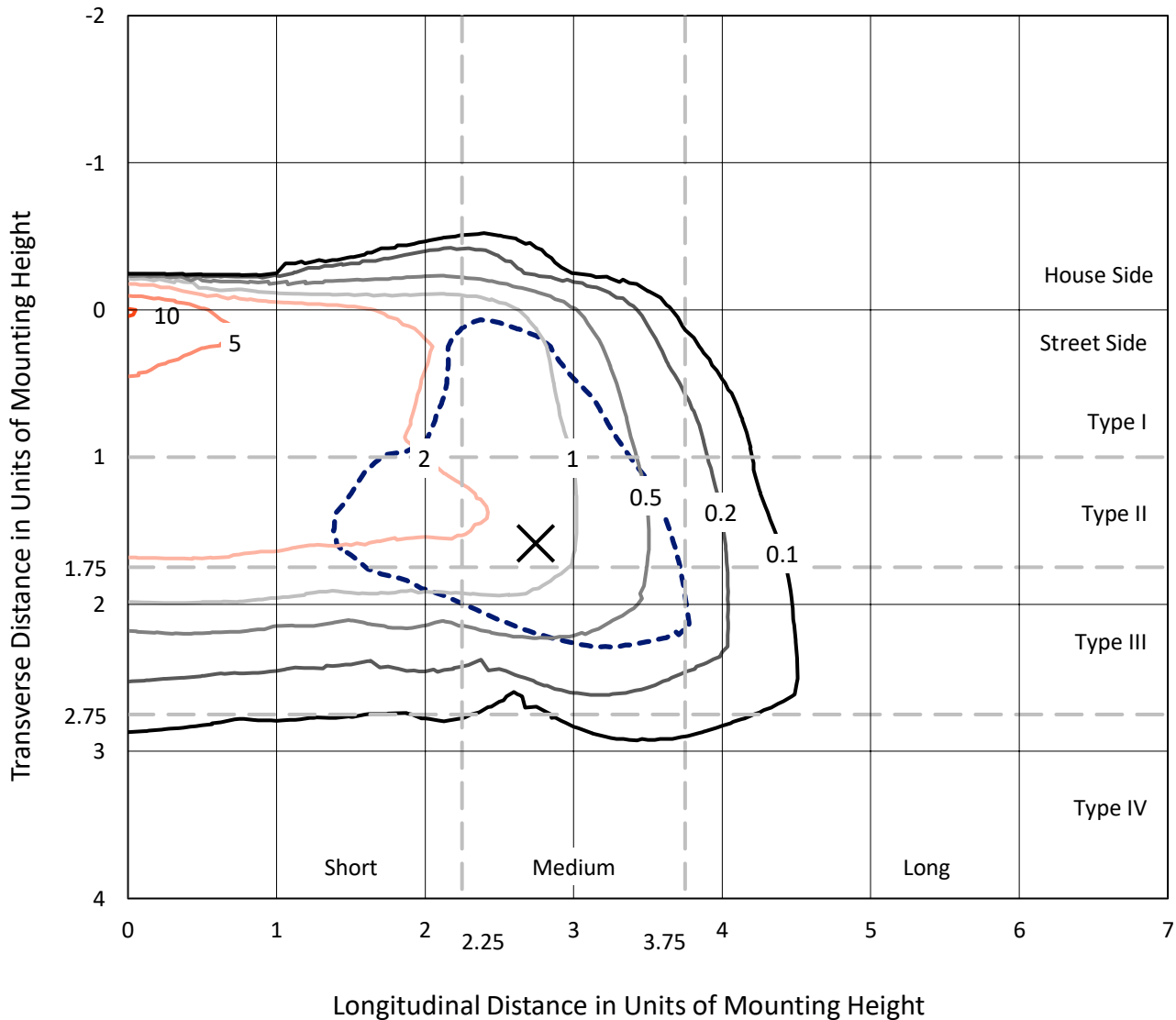
Lumens per Lamp: N/A
Luminaire Lumens: 3671.8 lumens
Efficiency: N/A
Efficacy: 44.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 83
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

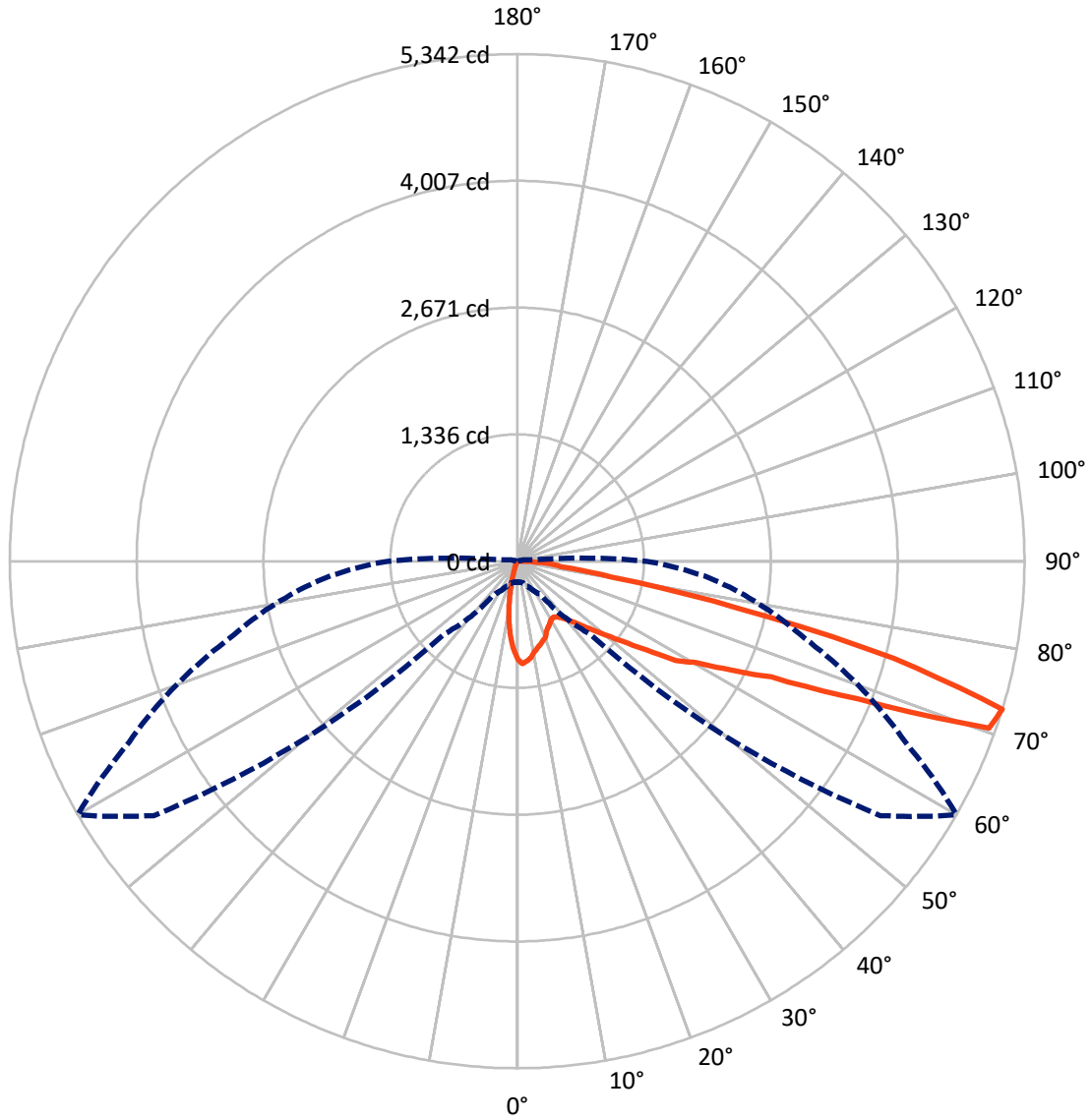
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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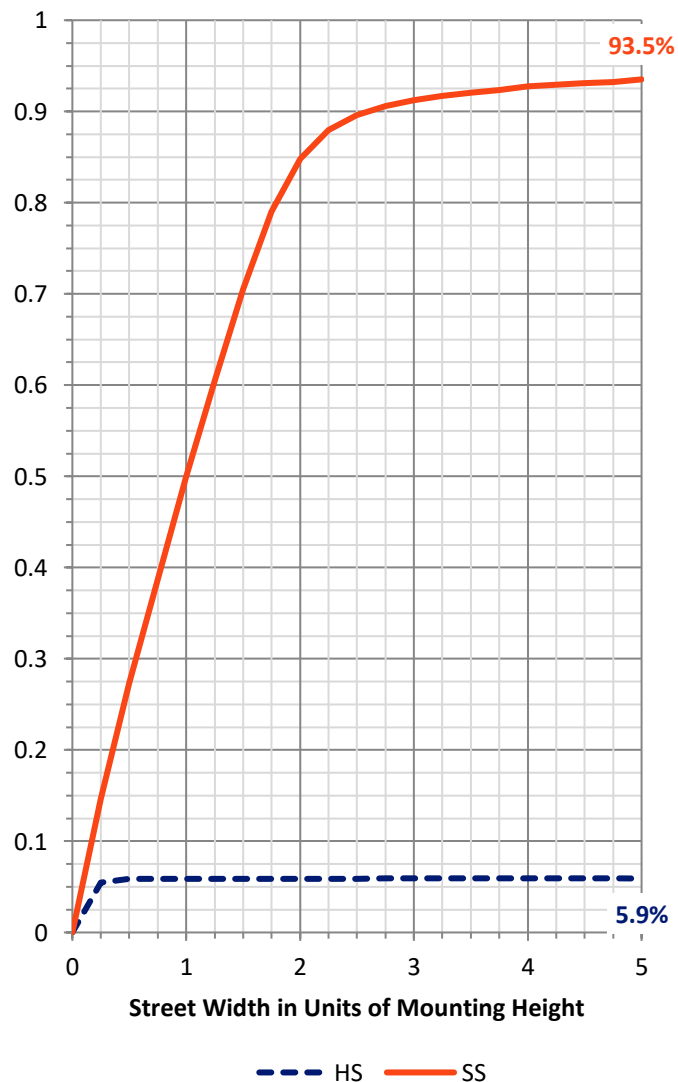
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	218.4	0.0	218.4
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	3453.4	0.0	3453.4
	% Fixture	94.1	0.0	94.1
Total	Lumens	3671.8	0.0	3671.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	2.1
10°-20°	149.3	4.1
20°-30°	193.3	5.3
30°-40°	264.7	7.2
40°-50°	423.1	11.5
50°-60°	735.3	20.0
60°-70°	1090.7	29.7
70°-80°	674.2	18.4
80°-90°	63.0	1.7
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°	3671.8	100.0
0°-180°	3671.8	100.0

Coefficient of Utilization

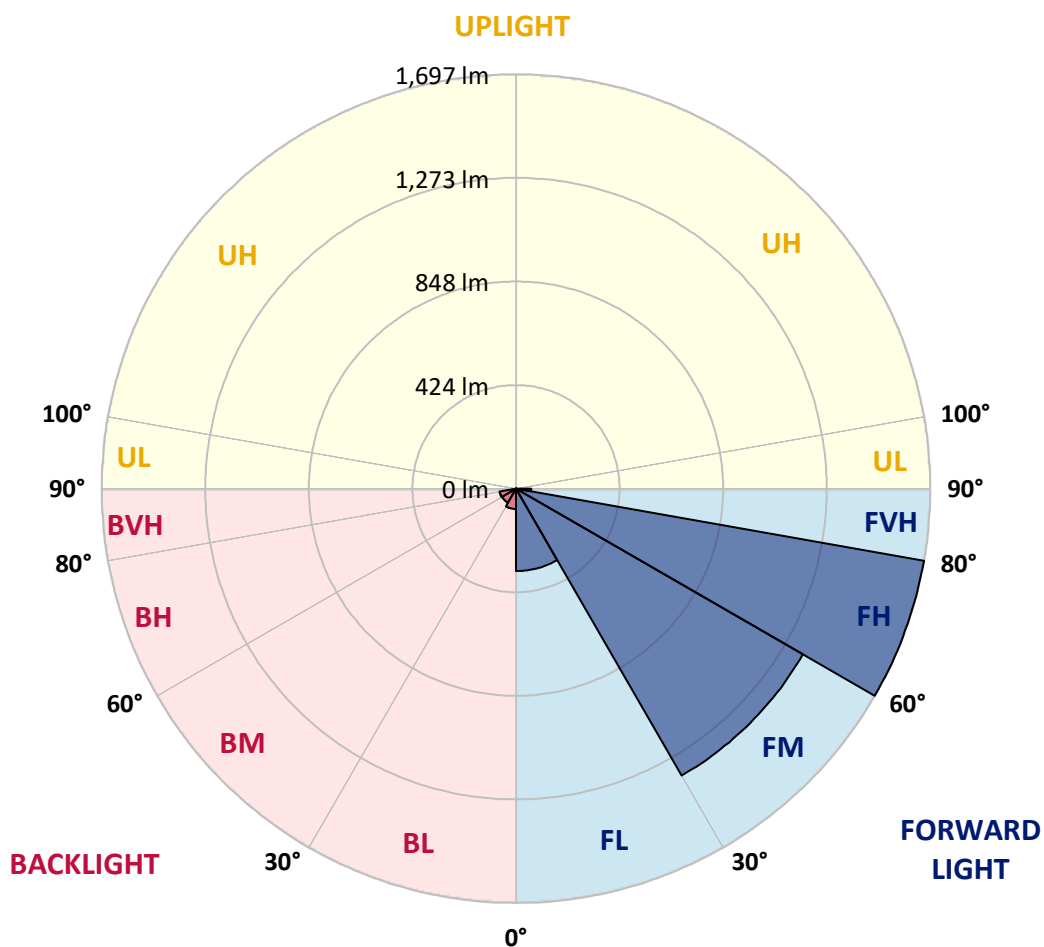


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	337.6	9.2			
FM (30°-60°)	1356.7	36.9			
FH (60°-80°)	1696.9	46.2			G1/1800
FVH (80°-90°)	62.1	1.7			G1/100
BL (0°-30°)	83.2	2.3	B0/110		
BM (30°-60°)	66.4	1.8	B0/220		
BH (60°-80°)	68.0	1.9	B0/110		G0/110
BVH (80°-90°)	0.9	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4
2.5°	1104.8	1090.7	1102.5	1102.5	1090.7	1076.5	1093.0	1083.6	1074.1	1052.9	1029.3
5°	1017.5	1031.6	1043.4	1043.4	1045.8	1057.6	1071.8	1060.0	1081.2	1057.6	1022.2
7.5°	944.3	953.7	967.9	977.3	989.1	996.2	1024.6	1026.9	1026.9	1034.0	1022.2
10°	840.4	856.9	859.3	878.2	927.8	944.3	970.3	977.3	986.8	1012.8	986.8
12.5°	779.0	793.2	795.6	819.2	845.1	892.4	913.6	939.6	958.5	993.9	970.3
15°	727.1	727.1	738.9	755.4	781.4	831.0	897.1	911.2	930.1	972.6	960.8
17.5°	677.5	677.5	687.0	698.8	736.5	781.4	845.1	878.2	899.4	970.3	939.6
20°	663.4	653.9	656.3	661.0	694.1	748.4	805.0	854.6	875.8	953.7	913.6
22.5°	661.0	644.5	639.8	644.5	656.3	682.3	753.1	793.2	849.9	956.1	904.2
25°	651.6	646.8	646.8	635.0	639.8	665.7	710.6	764.9	835.7	963.2	887.6
27.5°	663.4	668.1	663.4	649.2	646.8	642.1	679.9	736.5	800.3	972.6	868.7
30°	684.6	684.6	689.3	668.1	651.6	632.7	663.4	710.6	779.0	993.9	852.2
32.5°	710.6	717.7	717.7	698.8	675.2	637.4	665.7	703.5	767.2	1003.3	847.5
35°	760.2	762.5	757.8	750.7	712.9	675.2	682.3	720.0	779.0	1038.7	854.6
37.5°	809.7	802.6	812.1	809.7	776.7	729.5	727.1	755.4	800.3	1064.7	887.6
40°	864.0	861.7	866.4	873.5	842.8	805.0	781.4	807.4	854.6	1111.9	913.6
42.5°	923.0	920.7	923.0	956.1	937.2	887.6	856.9	878.2	925.4	1189.8	979.7
45°	958.5	967.9	991.5	1029.3	1038.7	972.6	958.5	972.6	996.2	1279.5	1088.3
47.5°	989.1	1010.4	1043.4	1093.0	1147.3	1104.8	1074.1	1093.0	1116.6	1381.0	1204.0
50°	1076.5	1088.3	1147.3	1199.3	1265.4	1260.6	1244.1	1239.4	1260.6	1499.1	1326.7
52.5°	1222.9	1225.2	1263.0	1324.4	1385.7	1442.4	1442.4	1404.6	1418.8	1647.8	1484.9
55°	1352.7	1373.9	1423.5	1442.4	1527.4	1628.9	1690.3	1654.9	1619.5	1784.7	1680.8
57.5°	1480.2	1515.6	1560.4	1624.2	1673.8	1758.7	1978.3	1971.2	1846.1	1961.8	1815.4
60°	1515.6	1522.7	1676.1	1829.6	1947.6	2025.5	2226.2	2169.5	2030.2	2020.8	1916.9
62.5°	1274.8	1305.5	1510.9	1784.7	2195.5	2540.1	2580.3	2523.6	2202.6	2160.1	2096.3
65°	708.2	757.8	970.3	1433.0	2053.8	2991.0	3130.3	2939.1	2497.7	2471.7	2603.9
67.5°	450.9	443.8	488.7	715.3	1399.9	3028.8	4204.5	3869.2	3222.4	3104.4	3130.3
70°	306.9	299.8	302.2	399.0	672.8	2261.6	4967.0	5269.2	4249.3	3441.9	2868.3
72.5°	224.3	219.5	236.1	306.9	427.3	1088.3	4671.9	5342.3	4511.4	3130.3	2035.0
75°	148.7	151.1	181.8	262.0	410.8	491.0	3260.2	4098.2	3536.4	2068.0	840.4
77.5°	82.6	87.3	125.1	214.8	373.0	403.7	1636.0	2367.8	1787.1	672.8	170.0
80°	37.8	37.8	63.7	153.4	321.1	363.6	663.4	1012.8	578.4	125.1	49.6
82.5°	16.5	16.5	28.3	82.6	229.0	330.5	439.1	458.0	207.7	47.2	30.7
85°	2.4	2.4	9.4	42.5	118.0	224.3	375.4	332.9	136.9	21.2	18.9
87.5°	0.0	0.0	2.4	9.4	35.4	73.2	179.4	132.2	51.9	9.4	7.1
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°	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4	1036.4
2.5°	1029.3	1017.5	989.1	956.1	927.8	904.2	875.8	854.6	835.7	828.6	809.7
5°	993.9	979.7	918.3	840.4	793.2	729.5	672.8	625.6	597.3	583.1	559.5
7.5°	963.2	930.1	838.1	729.5	630.3	528.8	446.2	373.0	318.7	299.8	309.3
10°	937.2	882.9	748.4	597.3	458.0	325.8	203.0	111.0	59.0	47.2	51.9
12.5°	911.2	838.1	661.0	472.1	288.0	122.8	37.8	0.0	0.0	0.0	0.0
15°	880.6	790.8	568.9	349.4	132.2	23.6	0.0	0.0	0.0	0.0	0.0
17.5°	861.7	755.4	481.6	229.0	37.8	0.0	0.0	0.0	0.0	0.0	0.0
20°	828.6	691.7	399.0	108.6	4.7	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	788.5	649.2	316.3	37.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	757.8	604.3	219.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	748.4	557.1	127.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	715.3	514.6	56.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	696.4	469.8	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	675.2	434.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	677.5	396.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	698.8	361.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	748.4	328.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	805.0	306.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	901.8	299.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	991.5	306.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1133.2	330.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1279.5	375.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1399.9	401.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1482.5	427.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1730.4	552.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2216.7	696.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2467.0	682.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2115.2	436.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1366.9	146.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	432.0	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	82.6	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	33.1	9.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.9	7.1	4.7	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0
85°	14.2	2.4	2.4	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0
87.5°	7.1	2.4	2.4	2.4	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)