

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: P565329

Luminaire Tested: **IFLD-S-SA6A-AMB-U-SL2**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565329  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-AMB-U-SL2  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ SL2 distribution lens  
Light Source: (96) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

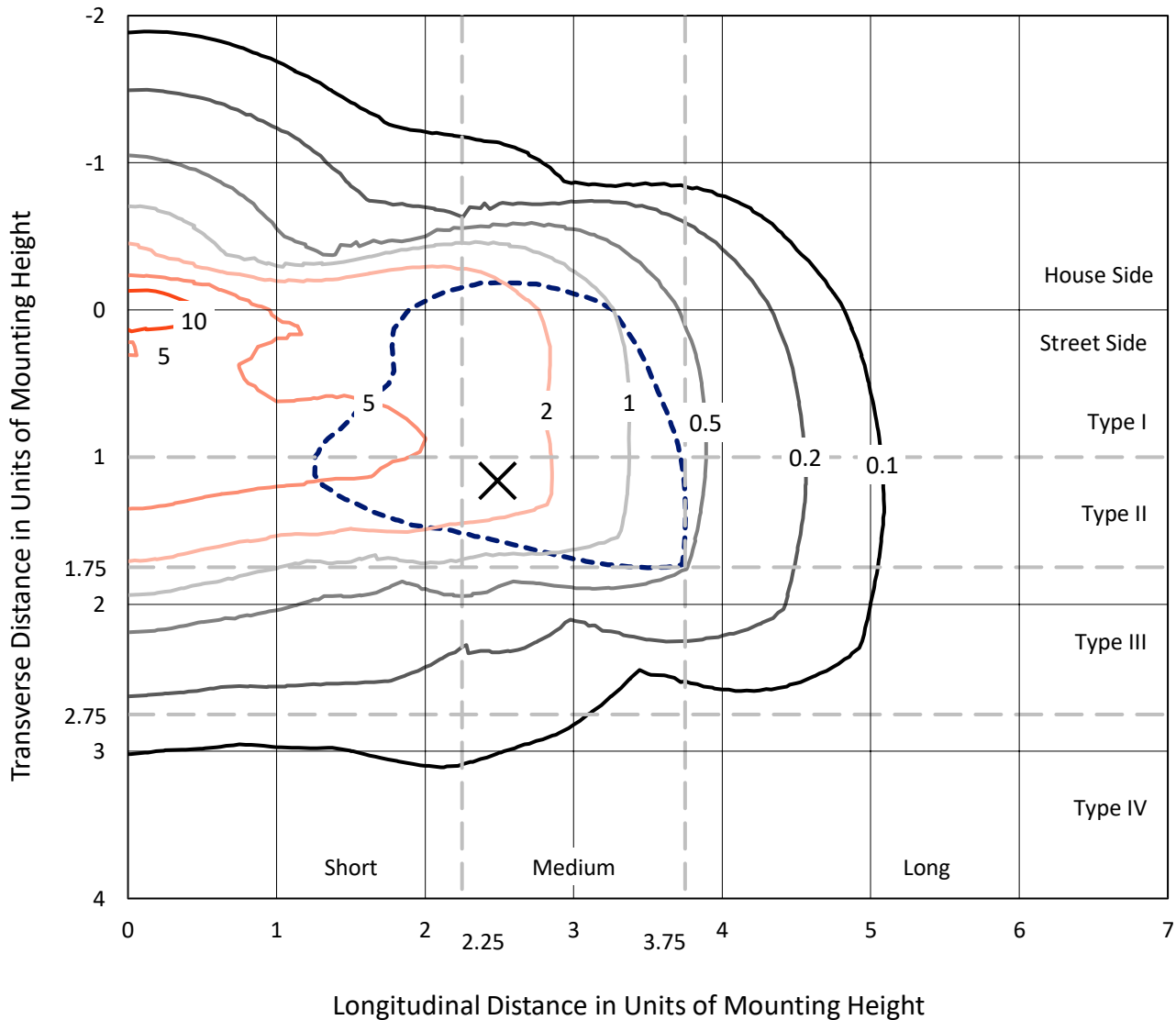
Lumens per Lamp: N/A  
Luminaire Lumens: 6394.5 lumens  
Efficiency: N/A  
Efficacy: 52.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 122.4  
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

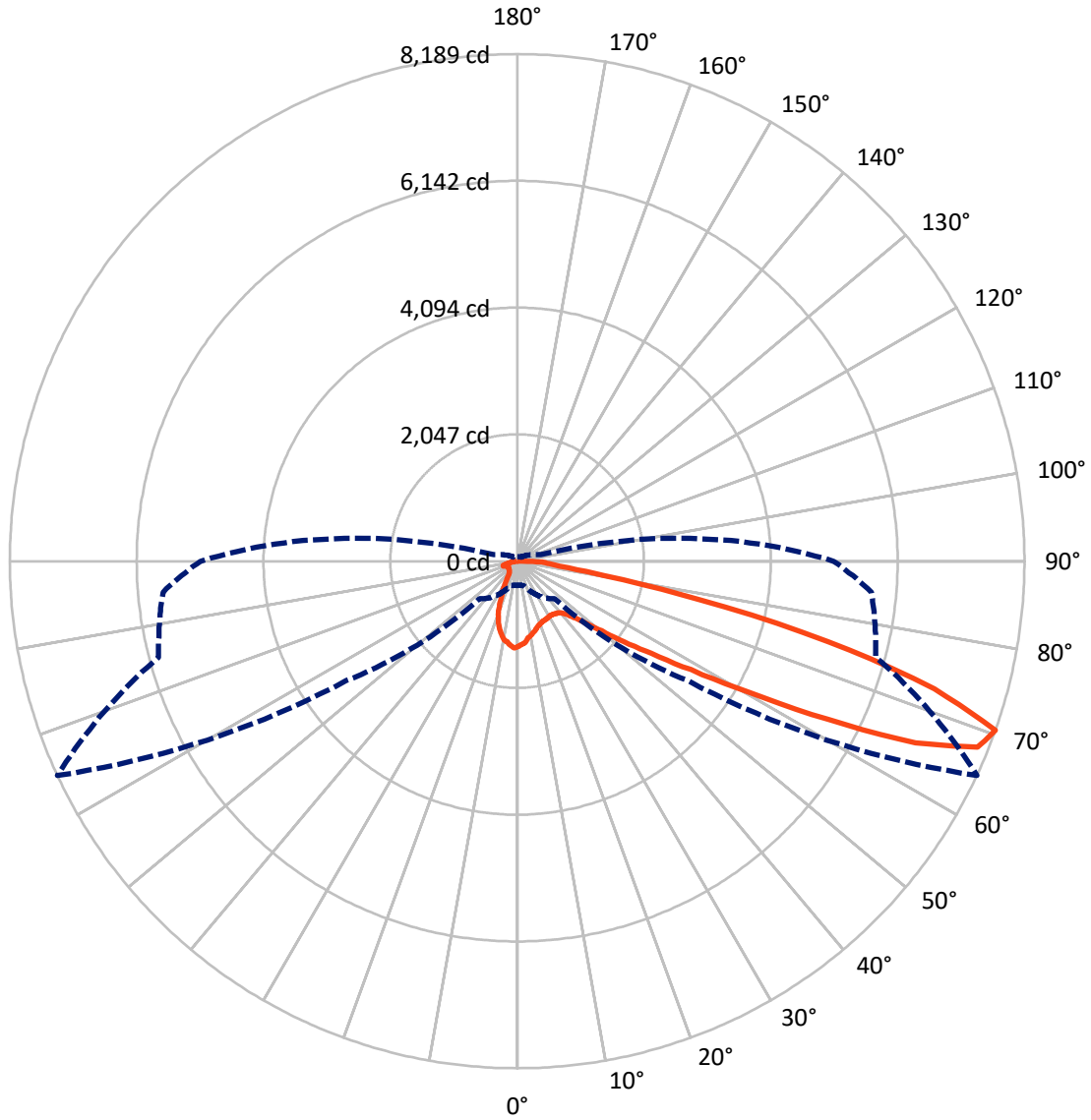
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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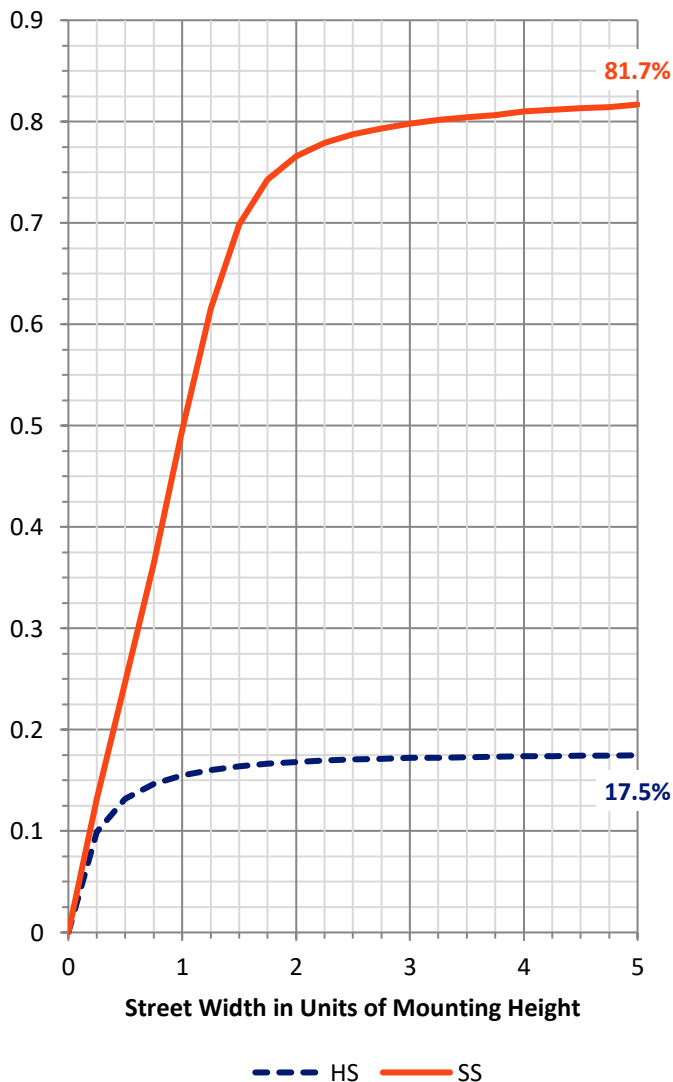
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1129.2	0.0	1129.2
	% Fixture	17.7	0.0	17.7
<b>Street Side</b>	Lumens	5265.2	0.0	5265.2
	% Fixture	82.3	0.0	82.3
<b>Total</b>	Lumens	6394.5	0.0	6394.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.8	1.8
10°-20°	263.5	4.1
20°-30°	352.8	5.5
30°-40°	488.9	7.6
40°-50°	783.6	12.3
50°-60°	1331.5	20.8
60°-70°	1800.4	28.2
70°-80°	1097.7	17.2
80°-90°	159.3	2.5
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°	6394.5	100.0
0°-180°	6394.5	100.0

**Coefficient of Utilization**

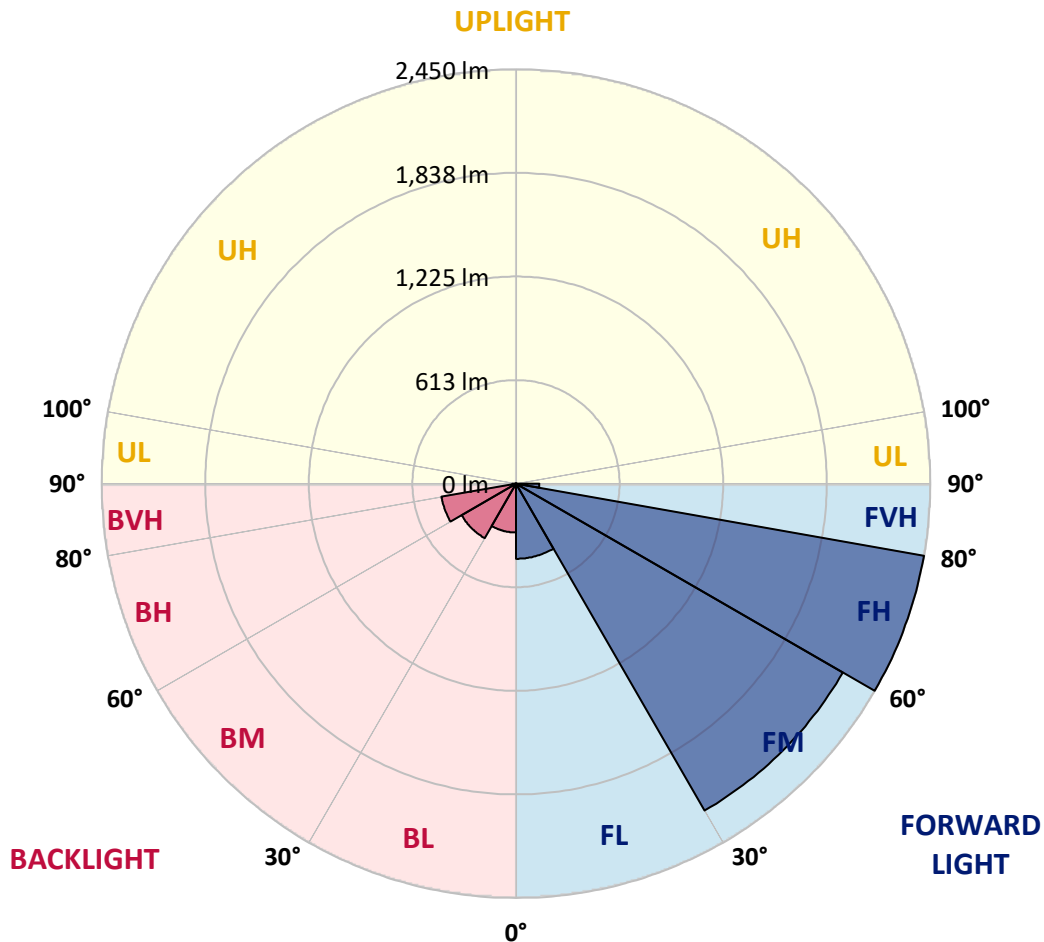


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	444.4	6.9			
FM (30°-60°)	2232.3	34.9			
FH (60°-80°)	2450.4	38.3			G2/5000
FVH (80°-90°)	138.1	2.2			G2/225
BL (0°-30°)	288.7	4.5	B1/500		
BM (30°-60°)	371.8	5.8	B1/1000		
BH (60°-80°)	447.7	7.0	B1/500		G1/500
BVH (80°-90°)	21.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1
2.5°	1265.9	1272.3	1278.6	1281.8	1316.7	1326.2	1348.4	1348.4	1383.3	1386.5	1392.8
5°	1132.7	1158.1	1173.9	1177.1	1218.3	1237.4	1288.1	1323.0	1357.9	1383.3	1408.7
7.5°	1056.5	1056.5	1062.9	1078.7	1107.3	1145.4	1202.5	1256.4	1345.2	1396.0	1405.5
10°	980.4	986.7	993.1	1002.6	1040.7	1062.9	1132.7	1215.2	1304.0	1402.4	1427.7
12.5°	920.1	913.8	926.4	951.8	977.2	1008.9	1075.6	1180.3	1278.6	1396.0	1434.1
15°	6.3	885.2	891.5	901.1	932.8	983.6	1043.8	1139.0	1265.9	1408.7	1443.6
17.5°	872.5	859.8	863.0	872.5	907.4	955.0	1005.8	1097.8	1259.6	1430.9	1462.6
20°	863.0	856.6	859.8	863.0	882.0	923.3	989.9	1078.7	1246.9	1421.4	1456.3
22.5°	875.7	885.2	875.7	872.5	882.0	901.1	967.7	1056.5	1224.7	1427.7	1421.4
25°	942.3	939.1	926.4	907.4	888.4	891.5	964.5	1050.2	1193.0	1421.4	1396.0
27.5°	983.6	1002.6	983.6	961.3	913.8	901.1	951.8	1040.7	1186.6	1418.2	1392.8
30°	1085.1	1075.6	1075.6	1028.0	970.9	923.3	955.0	1031.1	1180.3	1392.8	1335.7
32.5°	1186.6	1183.4	1186.6	1151.7	1066.0	974.0	977.2	1031.1	1164.4	1389.7	1323.0
35°	1323.0	1310.3	1316.7	1297.7	1180.3	1053.4	1002.6	1047.0	1148.5	1383.3	1291.3
37.5°	1405.5	1430.9	1456.3	1465.8	1335.7	1167.6	1072.4	1062.9	1148.5	1373.8	1265.9
40°	1567.3	1554.6	1611.8	1634.0	1535.6	1316.7	1142.2	1100.9	1183.4	1389.7	1243.7
42.5°	1697.4	1716.5	1770.4	1795.8	1732.3	1488.0	1281.8	1170.7	1246.9	1440.4	1294.5
45°	1948.1	1963.9	2005.2	2033.7	1963.9	1694.2	1462.6	1316.7	1335.7	1542.0	1345.2
47.5°	2173.3	2227.3	2211.4	2290.7	2265.3	1967.1	1653.0	1497.5	1491.2	1703.8	1456.3
50°	2398.6	2376.4	2376.4	2487.4	2608.0	2325.6	1932.2	1767.2	1741.8	1903.7	1602.2
52.5°	2436.7	2436.7	2427.2	2544.5	2865.0	2836.4	2328.8	2157.5	2055.9	2198.7	1852.9
55°	2297.1	2316.1	2290.7	2452.5	2950.7	3344.1	2912.6	2627.0	2462.1	2639.7	2198.7
57.5°	1951.2	1910.0	1881.4	2122.6	2801.5	3715.3	3934.2	3306.0	2934.8	3175.9	2719.0
60°	1446.8	1446.8	1421.4	1595.9	2287.6	3740.7	4822.6	4283.2	3537.6	3835.9	3347.3
62.5°	1034.3	1028.0	1021.6	1132.7	1595.9	3283.8	5492.0	5631.6	4251.5	4635.4	4134.1
65°	720.2	717.0	707.5	805.9	1028.0	2351.0	5546.0	7068.9	5028.8	5361.9	4857.5
67.5°	539.4	529.8	545.7	675.8	774.2	1421.4	4806.7	8017.5	5796.6	5875.9	5273.1
70°	393.4	387.1	406.1	548.9	710.7	859.8	3363.1	8188.9	5990.2	5739.5	5111.3
72.5°	285.5	276.0	301.4	425.1	669.5	767.8	1856.1	7040.3	5498.4	4873.3	4295.9
75°	193.5	190.4	203.1	314.1	618.7	745.6	951.8	5181.1	4318.1	3385.3	2753.9
77.5°	136.4	136.4	136.4	193.5	485.4	736.1	751.9	3004.6	2566.8	1910.0	1497.5
80°	101.5	101.5	104.7	130.1	326.8	745.6	707.5	1421.4	1104.1	644.1	504.5
82.5°	60.3	66.6	76.1	92.0	168.2	675.8	691.7	685.3	307.8	196.7	184.0
85°	31.7	31.7	44.4	63.5	98.4	485.4	666.3	514.0	165.0	111.0	104.7
87.5°	9.5	9.5	15.9	25.4	38.1	215.7	510.8	409.3	95.2	57.1	63.5
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1	1380.1
2.5°	1402.4	1392.8	1402.4	1383.3	1357.9	1332.6	1342.1	1335.7	1329.4	1326.2
5°	1402.4	1405.5	1367.5	1342.1	1310.3	1259.6	1240.5	1221.5	1208.8	1221.5
7.5°	1411.9	1377.0	1313.5	1269.1	1202.5	1142.2	1100.9	1059.7	1028.0	1024.8
10°	1411.9	1351.6	1288.1	1180.3	1091.4	964.5	878.9	821.7	777.3	793.2
12.5°	1418.2	1345.2	1212.0	1062.9	926.4	771.0	650.4	577.4	542.5	545.7
15°	1402.4	1304.0	1129.5	948.7	729.7	558.4	469.6	425.1	402.9	415.6
17.5°	1402.4	1265.9	1031.1	767.8	545.7	406.1	355.3	349.0	345.8	345.8
20°	1399.2	1177.1	916.9	593.3	377.6	307.8	288.7	298.2	304.6	307.8
22.5°	1338.9	1113.6	755.1	425.1	282.4	253.8	253.8	263.3	276.0	282.4
25°	1294.5	1008.9	593.3	298.2	238.0	228.4	231.6	238.0	250.6	250.6
27.5°	1253.2	923.3	450.5	241.1	215.7	215.7	218.9	225.3	234.8	231.6
30°	1215.2	805.9	336.3	212.6	206.2	203.1	206.2	209.4	212.6	215.7
32.5°	1177.1	704.4	257.0	203.1	199.9	196.7	196.7	193.5	196.7	193.5
35°	1113.6	599.6	215.7	193.5	190.4	187.2	184.0	180.8	180.8	180.8
37.5°	1081.9	504.5	203.1	187.2	184.0	180.8	174.5	174.5	174.5	171.3
40°	1050.2	415.6	196.7	180.8	177.7	171.3	165.0	168.2	168.2	168.2
42.5°	1047.0	345.8	190.4	177.7	171.3	161.8	158.6	161.8	161.8	158.6
45°	1050.2	291.9	187.2	171.3	165.0	158.6	155.5	155.5	155.5	155.5
47.5°	1107.3	257.0	180.8	168.2	161.8	155.5	149.1	145.9	145.9	149.1
50°	1164.4	250.6	177.7	168.2	161.8	149.1	145.9	139.6	139.6	136.4
52.5°	1285.0	247.5	174.5	165.0	155.5	142.8	136.4	130.1	126.9	130.1
55°	1459.5	250.6	171.3	158.6	149.1	136.4	130.1	123.7	120.6	120.6
57.5°	1856.1	253.8	168.2	155.5	142.8	126.9	120.6	114.2	114.2	111.0
60°	2376.4	272.9	165.0	145.9	133.3	120.6	114.2	107.9	104.7	104.7
62.5°	3036.3	272.9	171.3	142.8	123.7	111.0	104.7	101.5	98.4	95.2
65°	3604.2	314.1	187.2	136.4	111.0	101.5	95.2	92.0	88.8	88.8
67.5°	3927.9	345.8	212.6	139.6	104.7	92.0	88.8	82.5	82.5	82.5
70°	3626.5	393.4	241.1	149.1	95.2	85.7	79.3	76.1	73.0	73.0
72.5°	2963.3	339.5	238.0	142.8	85.7	76.1	73.0	66.6	63.5	63.5
75°	1910.0	282.4	203.1	120.6	79.3	66.6	63.5	57.1	53.9	53.9
77.5°	1008.9	196.7	142.8	95.2	66.6	60.3	53.9	47.6	44.4	44.4
80°	368.0	120.6	98.4	66.6	53.9	47.6	41.2	34.9	31.7	34.9
82.5°	152.3	76.1	60.3	44.4	38.1	34.9	28.6	25.4	22.2	22.2
85°	88.8	53.9	38.1	28.6	22.2	22.2	15.9	12.7	9.5	9.5
87.5°	50.8	34.9	15.9	31.7	12.7	6.3	3.2	3.2	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

(END OF REPORT)