

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: P323145

Luminaire Tested: **GAN-SA1A-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323145
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3681 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

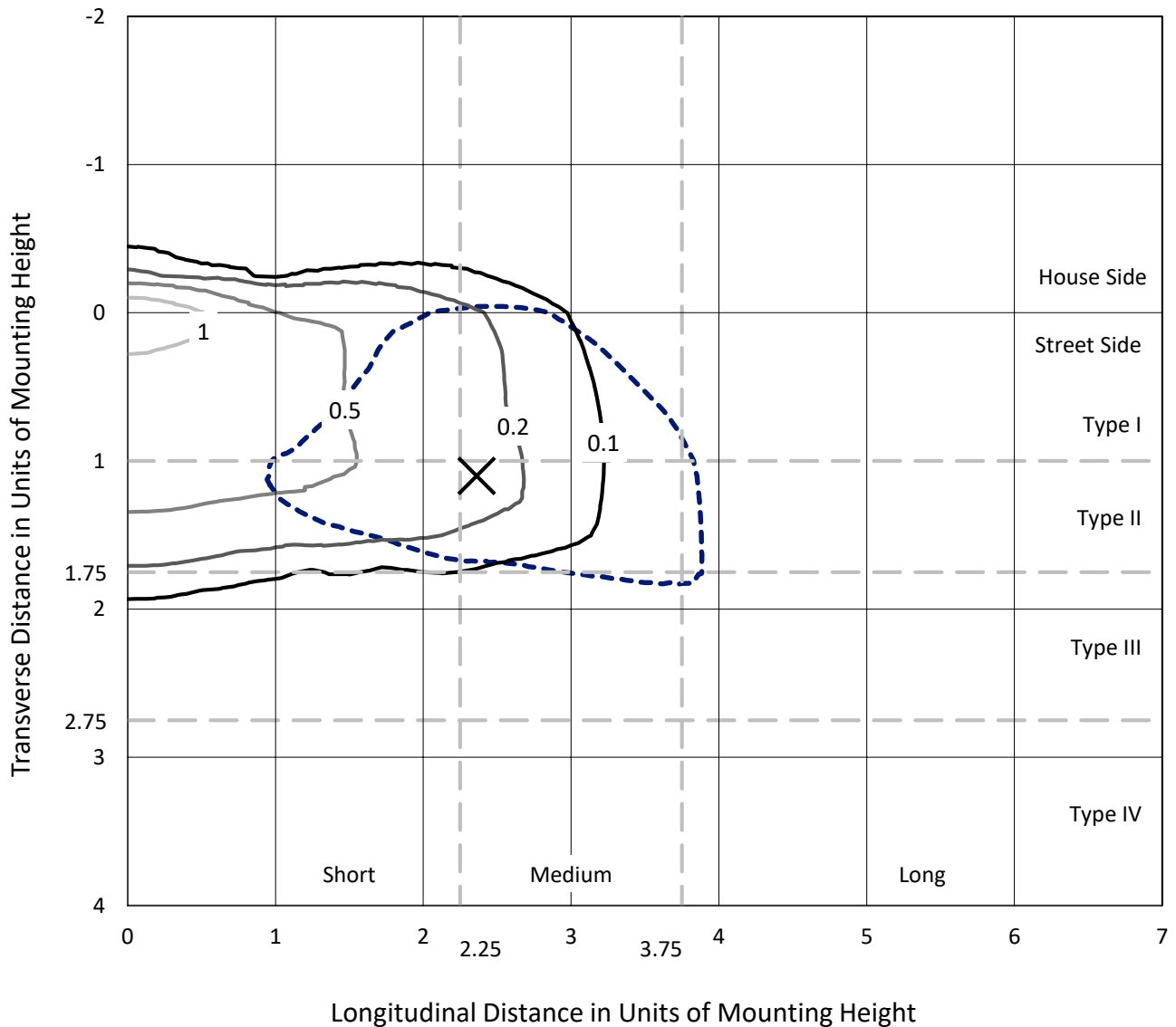
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323145
 CATALOG NUMBER: GAN-SA1A-730-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

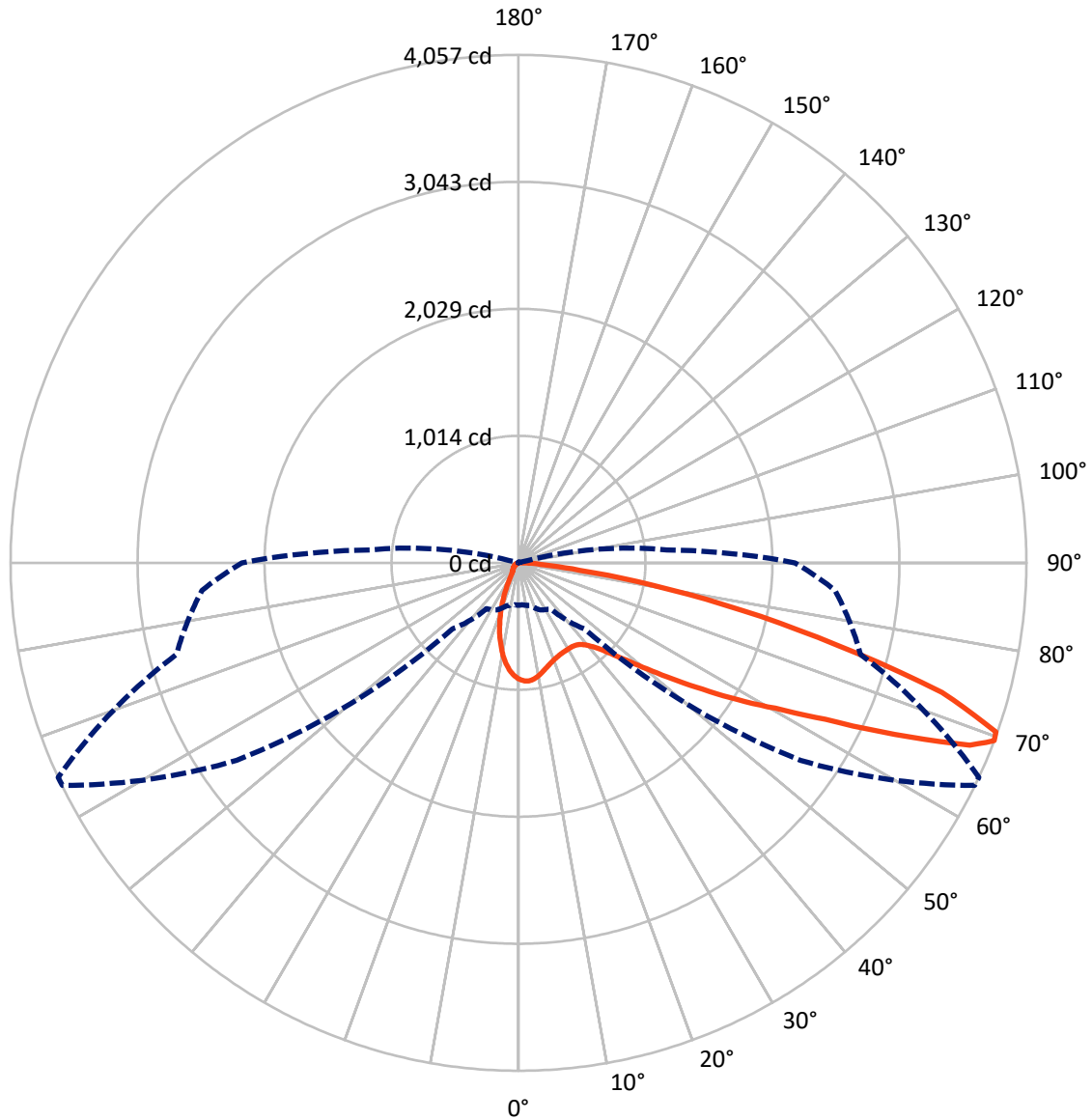
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P323145
CATALOG NUMBER: GAN-SA1A-730-U-SL2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P323145
 CATALOG NUMBER: GAN-SA1A-730-U-SL2-HSS

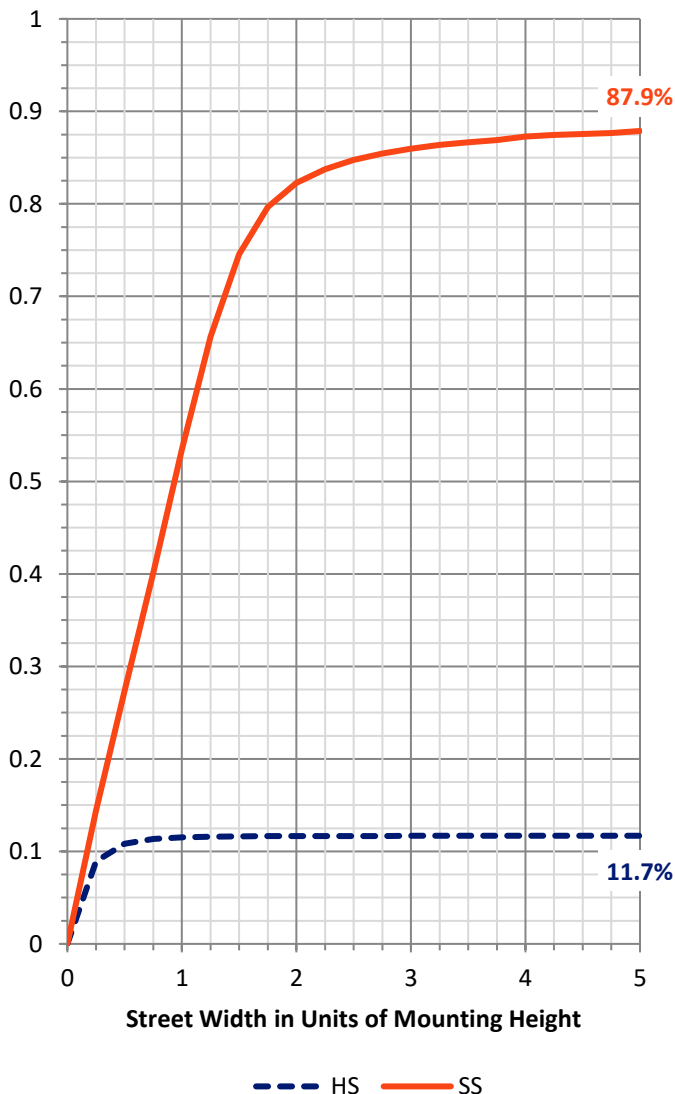
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	433.9	0.0	433.9
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3247.1	0.0	3247.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	3681.0	0.0	3681.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	2.1
10°-20°	170.3	4.6
20°-30°	235.8	6.4
30°-40°	328.8	8.9
40°-50°	511.1	13.9
50°-60°	820.5	22.3
60°-70°	928.1	25.2
70°-80°	545.1	14.8
80°-90°	63.4	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°	3681.0	100.0
0°-180°	3681.0	100.0

Coefficient of Utilization

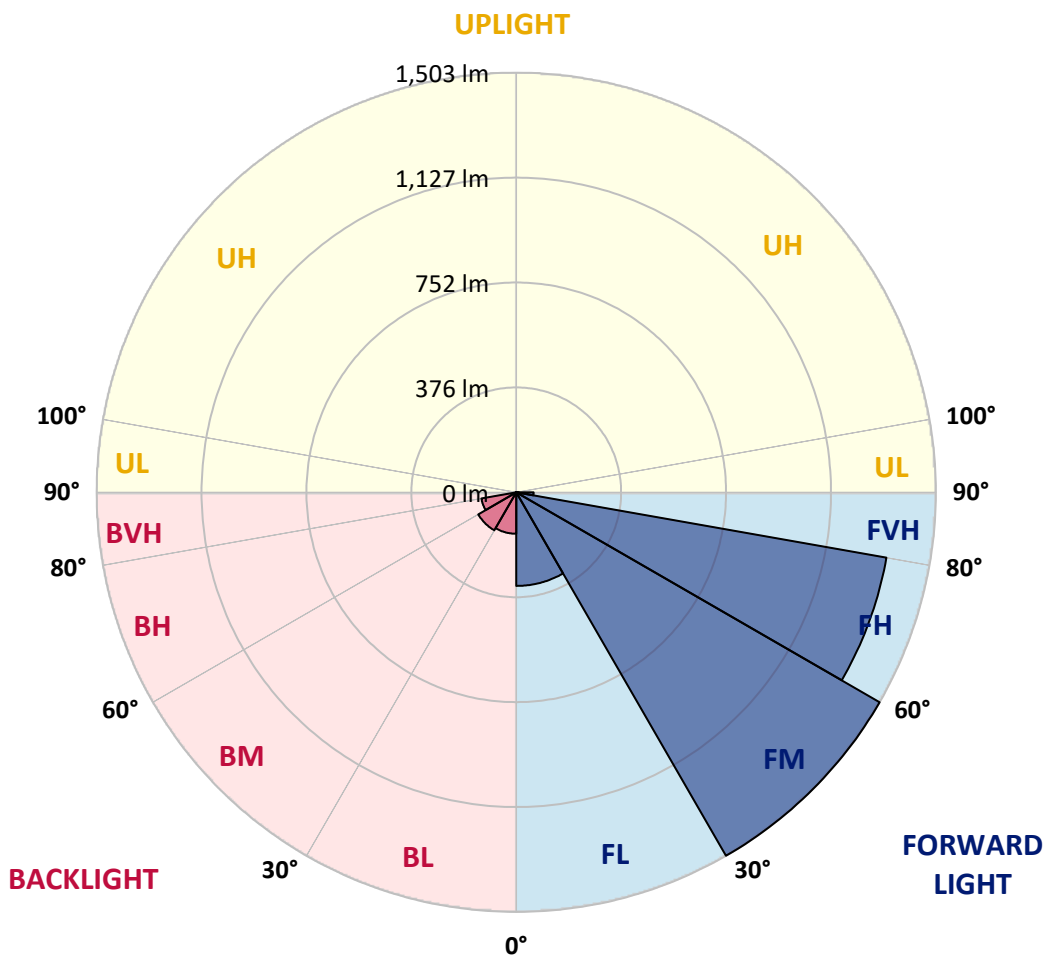


REPORT NUMBER: P323145
 CATALOG NUMBER: GAN-SA1A-730-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.4	9.1			
FM (30°-60°)	1503.2	40.8			
FH (60°-80°)	1346.5	36.6			G1/1800
FVH (80°-90°)	62.0	1.7			G1/100
BL (0°-30°)	148.5	4.0	B1/500		
BM (30°-60°)	157.2	4.3	B0/220		
BH (60°-80°)	126.8	3.4	B1/500		G1/500
BVH (80°-90°)	1.4	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-G1
 Type III Medium





REPORT NUMBER: P323145
 CATALOG NUMBER: GAN-SA1A-730-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	930.2	930.2	930.2	930.2	930.2	930.2	930.2	930.2	930.2	930.2	930.2
2.5°	938.5	936.1	938.0	942.0	944.1	944.1	945.6	943.7	944.4	939.9	933.3
5°	879.7	876.1	881.3	892.7	906.7	918.7	936.4	945.8	946.7	946.9	939.2
7.5°	816.5	813.2	820.9	834.2	852.3	874.6	905.6	932.7	934.2	948.9	943.3
10°	765.1	762.8	771.6	786.0	807.1	832.1	870.1	907.8	912.3	944.7	942.7
12.5°	724.3	722.4	730.8	747.3	769.0	796.6	836.3	880.0	886.1	935.2	939.5
15°	694.5	694.2	701.2	717.1	741.1	766.8	807.5	854.3	861.3	924.9	939.1
17.5°	679.0	679.4	684.6	698.1	718.7	744.2	783.2	832.7	840.3	915.7	941.4
20°	677.4	677.9	680.7	688.3	705.0	727.6	763.4	814.5	822.4	908.9	945.1
22.5°	691.1	690.8	691.6	690.8	700.1	717.3	750.3	800.4	809.6	904.3	948.1
25°	717.4	717.0	716.6	710.9	704.7	713.8	744.8	792.5	801.2	901.1	949.8
27.5°	754.0	753.7	753.3	743.8	725.1	719.3	745.5	789.5	796.9	898.4	949.5
30°	802.2	804.3	803.7	790.5	761.4	736.0	752.0	788.0	794.4	893.3	946.2
32.5°	858.7	863.1	866.5	852.3	815.9	769.0	767.1	789.7	794.4	889.4	940.3
35°	917.4	923.0	935.6	930.7	882.7	818.7	793.1	800.0	803.9	891.6	937.5
37.5°	975.2	981.9	1009.3	1023.8	970.2	884.4	833.6	825.4	827.4	904.8	940.6
40°	1042.3	1052.5	1094.1	1117.4	1074.7	972.4	894.2	869.0	869.8	933.9	955.1
42.5°	1130.5	1140.9	1186.0	1222.6	1192.5	1083.6	976.5	935.6	934.9	988.4	989.2
45°	1238.0	1248.9	1295.5	1336.1	1322.6	1215.4	1081.7	1033.0	1032.1	1074.4	1053.9
47.5°	1359.8	1370.5	1412.1	1454.0	1468.7	1369.3	1215.9	1165.9	1163.7	1193.9	1153.7
50°	1464.3	1471.3	1509.6	1566.0	1632.0	1558.4	1382.7	1334.5	1332.2	1352.6	1300.3
52.5°	1502.3	1506.3	1545.3	1624.3	1789.1	1814.4	1601.8	1539.8	1538.1	1547.0	1495.4
55°	1425.4	1432.7	1480.5	1597.6	1874.1	2103.8	1878.5	1794.0	1781.1	1762.0	1699.5
57.5°	1215.7	1227.4	1278.8	1434.5	1834.4	2333.4	2285.0	2081.6	2062.6	1945.4	1865.4
60°	910.9	925.2	967.9	1136.0	1622.4	2415.2	2729.2	2402.0	2359.1	2091.5	2017.9
62.5°	625.1	632.2	661.2	770.7	1194.8	2281.3	3100.9	2831.1	2752.9	2250.4	2182.8
65°	477.4	479.9	491.7	529.4	711.5	1853.1	3248.7	3397.3	3302.7	2440.4	2354.0
67.5°	384.7	382.7	399.1	452.9	476.5	1130.5	3076.2	3932.9	3888.7	2694.5	2526.3
69°	339.2	336.4	353.1	415.7	447.5	747.3	2750.1	4054.6	4057.4	2828.6	2538.1
70°	305.3	307.2	323.7	393.6	437.7	586.6	2438.6	4023.6	4045.7	2878.7	2467.1
72.5°	203.9	208.9	242.1	326.8	420.9	443.9	1472.4	3452.7	3537.8	2765.8	2116.6
75°	115.0	118.7	158.1	246.4	396.6	422.7	777.7	2543.7	2625.9	2312.9	1632.2
77.5°	56.4	58.4	89.4	159.0	331.6	402.8	441.1	1727.8	1821.8	1509.6	923.2
80°	23.8	24.9	44.7	98.1	237.1	384.4	327.6	1063.4	1075.1	591.4	245.9
82.5°	9.2	9.5	18.8	61.2	150.6	299.7	274.0	504.2	492.0	111.4	56.1
85°	1.1	1.2	6.9	36.8	83.8	154.2	222.6	217.3	201.1	22.1	28.8
87.5°	0.0	0.0	0.5	11.2	24.9	72.3	115.7	90.2	81.3	7.2	15.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P323145
 CATALOG NUMBER: GAN-SA1A-730-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	930.2	930.2	930.2	930.2	930.2	930.2	930.2	930.2	930.2	930.2	930.2
2.5°	927.9	926.3	917.9	905.7	894.2	879.9	866.2	857.9	851.4	847.0	852.2
5°	930.4	923.5	898.0	865.2	833.2	797.0	763.4	734.9	723.7	711.2	716.8
7.5°	929.6	916.6	870.7	812.4	753.6	692.7	635.0	590.6	567.6	545.0	550.8
10°	925.7	903.9	834.2	748.0	659.8	572.3	490.5	428.3	393.6	362.1	366.7
12.5°	917.1	886.7	791.3	674.1	556.2	440.8	345.0	265.4	222.7	203.9	206.2
15°	912.0	870.1	745.8	599.4	445.6	307.0	210.9	156.8	137.4	131.1	131.9
17.5°	909.5	854.0	698.7	513.9	332.5	195.5	136.3	120.2	116.0	115.0	115.3
20°	907.0	837.8	650.3	429.3	229.1	131.5	112.0	107.3	105.8	104.4	104.7
22.5°	902.8	822.3	598.3	343.6	154.5	106.7	100.9	96.4	93.1	91.4	91.7
25°	897.6	805.9	545.2	255.9	112.8	95.2	89.7	83.3	79.4	76.3	76.5
27.5°	889.4	785.8	490.3	186.3	94.7	85.2	77.9	70.9	64.3	60.7	60.7
30°	877.9	763.1	429.4	133.3	84.9	75.4	66.5	57.8	50.8	47.5	47.2
32.5°	865.1	739.4	367.9	101.1	77.1	66.2	56.1	46.9	40.7	38.0	37.8
35°	854.2	713.8	306.5	84.7	69.3	57.3	46.3	38.5	33.5	31.3	31.2
37.5°	847.2	688.3	246.7	75.7	62.3	49.1	38.8	31.8	28.2	26.5	26.3
40°	846.1	669.3	192.1	68.8	55.8	41.7	32.4	26.9	23.7	21.8	21.7
42.5°	860.3	658.4	147.3	63.1	49.1	35.4	27.6	23.1	19.6	17.8	17.6
45°	897.5	661.8	113.4	57.9	42.4	29.9	23.4	19.2	16.0	14.6	14.3
47.5°	965.4	685.5	90.2	52.8	36.0	25.4	19.9	15.9	13.2	11.8	11.7
50°	1086.3	741.1	75.4	47.2	30.1	21.7	16.5	12.9	10.7	9.5	9.3
52.5°	1246.7	840.2	67.3	41.7	24.9	18.4	13.6	10.3	8.4	7.5	7.3
55°	1423.6	960.1	62.0	35.8	20.4	15.3	10.7	8.1	6.5	5.8	5.5
57.5°	1596.4	1064.0	57.0	30.1	17.0	12.5	8.6	6.4	5.1	4.4	4.2
60°	1755.1	1159.5	51.2	24.1	13.9	9.8	6.7	5.0	4.0	3.3	3.3
62.5°	1925.0	1233.3	43.3	18.8	11.4	7.5	5.5	4.5	3.3	2.8	2.6
65°	2105.1	1288.1	34.0	14.6	8.9	5.6	4.5	4.7	2.6	2.0	1.9
67.5°	2238.1	1277.2	25.1	11.5	6.9	4.4	4.4	5.0	2.3	1.6	1.4
69°	2208.8	1188.6	21.0	10.0	5.9	3.7	4.0	5.0	2.2	1.4	1.2
70°	2123.9	1090.5	18.5	8.9	5.3	3.4	3.9	4.8	2.0	1.4	1.2
72.5°	1768.8	821.3	14.5	6.7	4.2	2.8	3.3	4.2	2.0	1.4	1.1
75°	1330.5	525.7	11.1	4.8	3.1	2.2	2.5	3.1	2.0	1.2	1.1
77.5°	724.0	189.6	7.9	3.3	2.2	1.7	1.7	2.3	1.9	0.9	0.6
80°	186.1	47.7	5.0	2.2	1.7	1.2	1.1	1.6	1.1	0.2	0.0
82.5°	45.9	10.7	2.6	1.6	1.2	0.5	0.5	0.8	0.5	0.0	0.0
85°	25.2	5.3	1.7	1.1	0.6	0.0	0.0	0.2	0.0	0.0	0.0
87.5°	12.9	1.6	0.5	0.3	0.2	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)