

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: P459611

Luminaire Tested: **GAN-SA3A-AMB-U-SL2**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-AMB-U-SL2
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(3) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3382 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

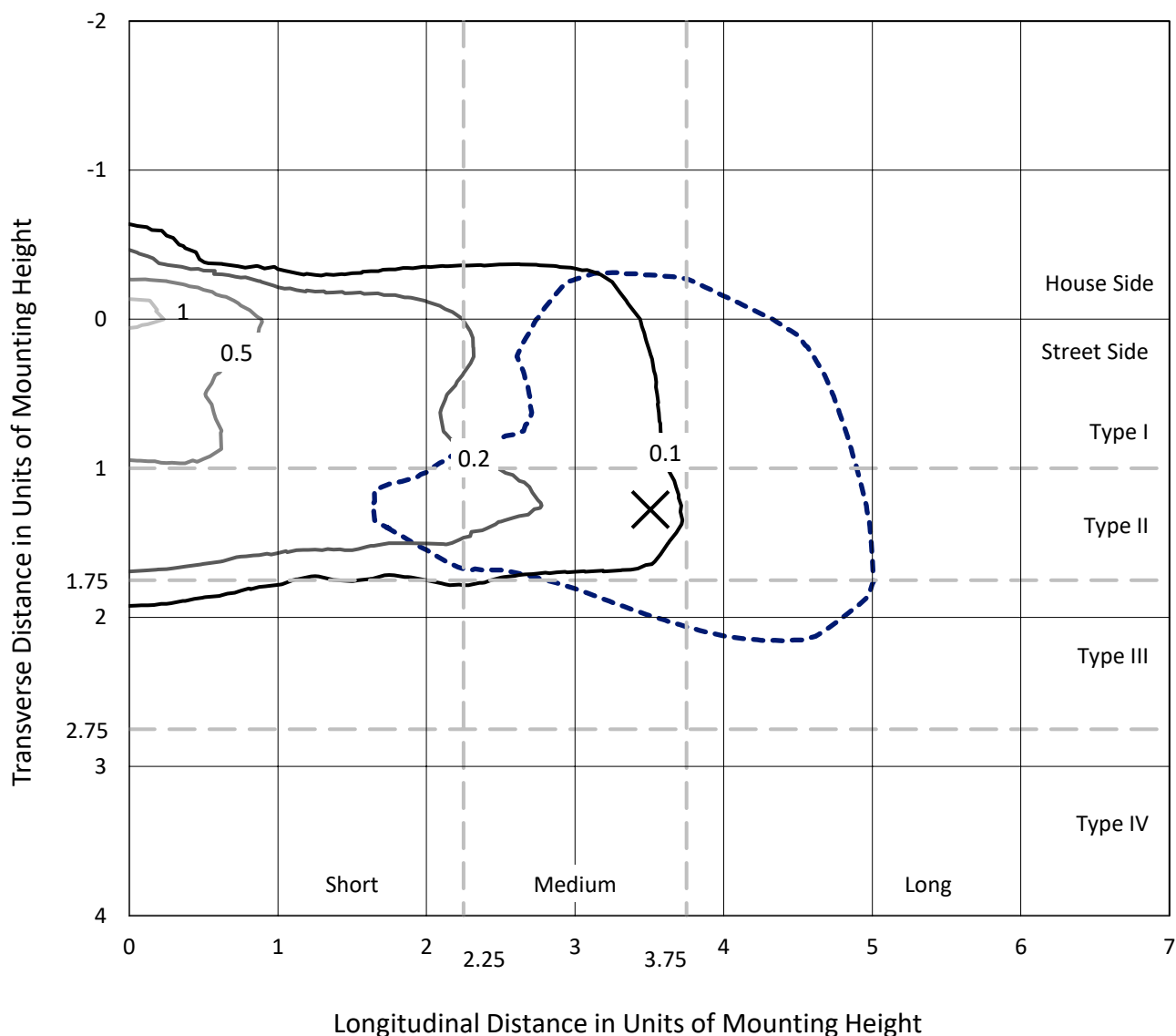
Input Watts (W): 61.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

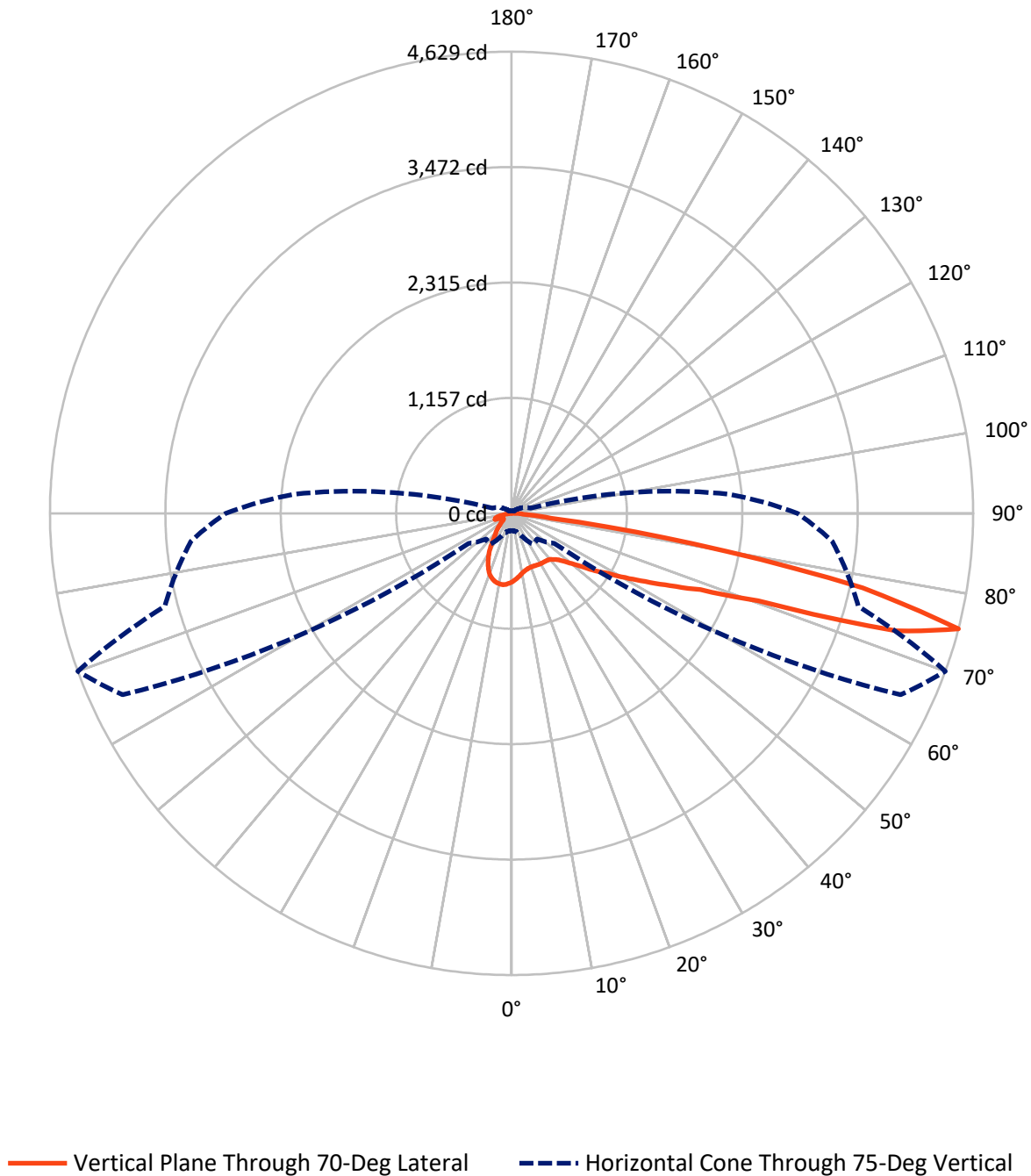
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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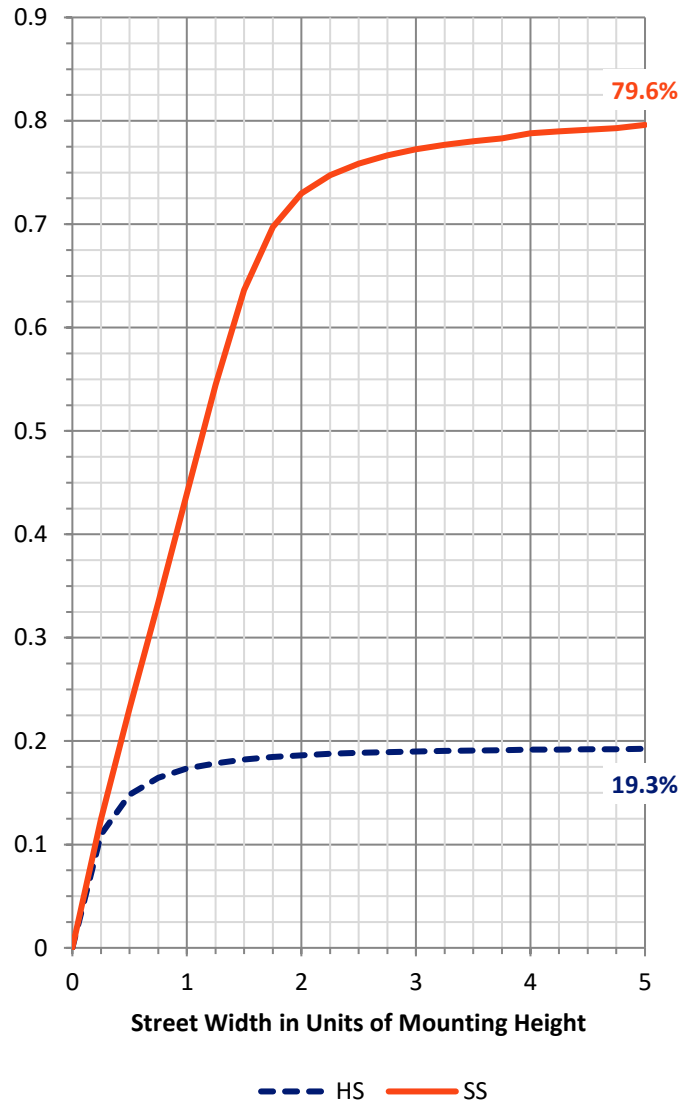
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	659.9	0.0	659.9
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	2722.1	0.0	2722.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	3382.0	0.0	3382.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	1.8
10°-20°	151.3	4.5
20°-30°	203.5	6.0
30°-40°	267.7	7.9
40°-50°	381.9	11.3
50°-60°	594.9	17.6
60°-70°	776.7	23.0
70°-80°	825.4	24.4
80°-90°	118.2	3.5
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°	3382.0	100.0
0°-180°	3382.0	100.0

Coefficient of Utilization



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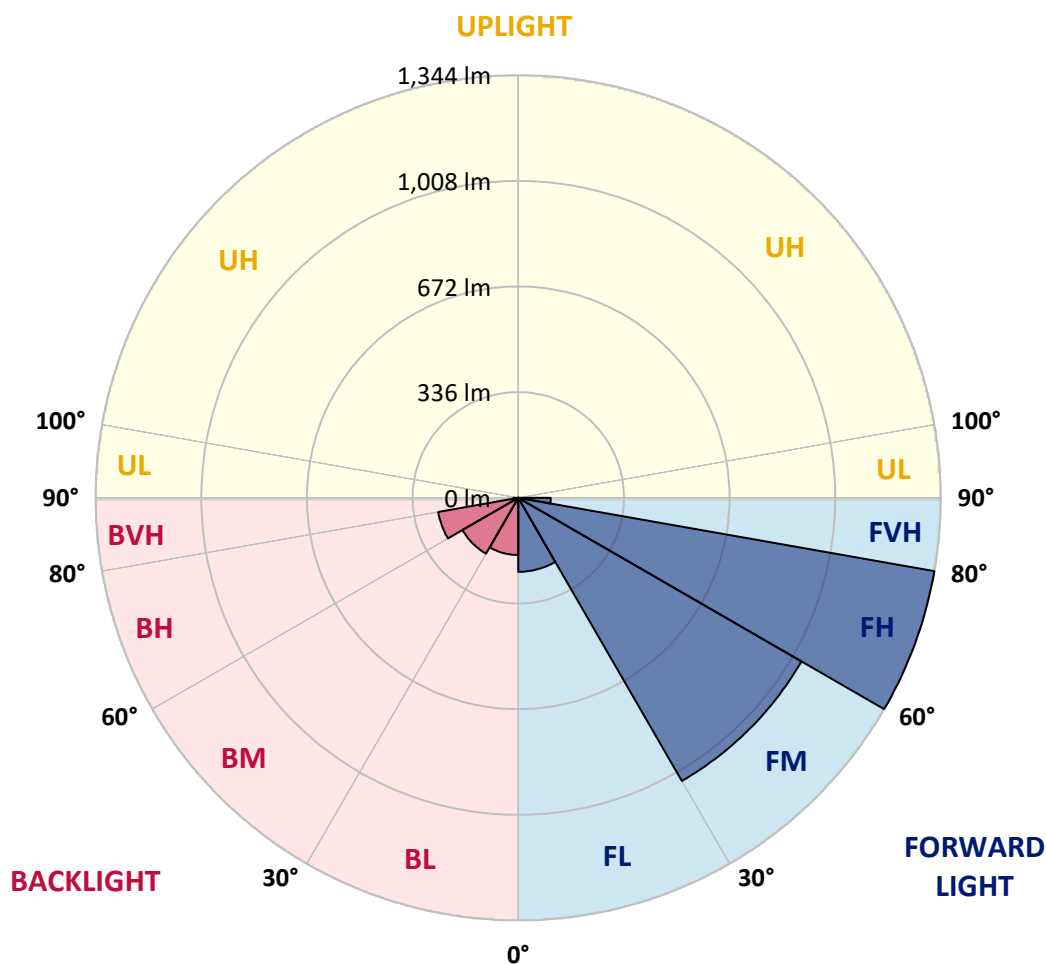
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	235.3	7.0			
FM	(30°-60°)	1039.7	30.7			
FH	(60°-80°)	1343.7	39.7			G1/1800
FVH	(80°-90°)	103.3	3.1			G2/225
BL	(0°-30°)	181.9	5.4	B1/500		
BM	(30°-60°)	204.9	6.1	B0/220		
BH	(60°-80°)	258.3	7.6	B1/500		G1/500
BVH	(80°-90°)	14.9	0.4			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0
2.5°	644.6	644.6	648.9	648.9	654.7	656.1	661.9	664.8	667.7	672.1	680.8
5°	598.2	596.8	601.1	608.4	615.6	622.8	633.0	643.1	647.5	654.7	669.2
7.5°	563.4	563.4	566.3	570.7	580.8	589.5	605.5	617.0	627.2	637.3	657.6
10°	537.4	537.4	540.3	544.6	554.8	562.0	576.5	596.8	605.5	619.9	646.0
12.5°	512.8	515.6	517.1	522.9	530.1	540.3	554.8	576.5	591.0	608.4	643.1
15°	501.2	501.2	502.6	507.0	514.2	524.3	541.7	564.9	580.8	601.1	644.6
17.5°	498.3	496.8	495.4	496.8	504.1	514.2	531.6	557.7	575.0	598.2	651.8
20°	499.7	498.3	496.8	493.9	496.8	507.0	528.7	554.8	572.1	596.8	663.4
22.5°	507.0	507.0	504.1	498.3	496.8	504.1	527.2	554.8	573.6	598.2	675.0
25°	527.2	525.8	522.9	511.3	502.6	505.5	527.2	557.7	576.5	601.1	685.1
27.5°	549.0	549.0	546.1	535.9	518.5	511.3	530.1	562.0	580.8	604.0	696.7
30°	583.7	582.3	579.4	567.8	546.1	522.9	535.9	566.3	583.7	605.5	706.8
32.5°	625.7	625.7	627.2	612.7	580.8	543.2	541.7	569.2	585.2	606.9	718.4
35°	675.0	676.4	680.8	669.2	630.1	573.6	556.2	576.5	588.1	608.4	730.0
37.5°	711.2	712.6	728.6	731.5	685.1	614.1	579.4	591.0	593.9	611.2	741.6
40°	753.2	753.2	776.4	793.8	763.3	670.6	611.2	608.4	606.9	622.8	756.1
42.5°	799.5	805.3	825.6	854.6	841.6	735.8	656.1	638.8	631.5	643.1	779.3
45°	843.0	845.9	883.6	916.9	918.3	824.2	719.9	686.6	666.3	679.3	821.3
47.5°	890.8	895.1	941.5	995.1	1005.2	918.3	792.3	746.0	719.9	732.9	882.1
50°	960.3	967.6	1006.7	1071.9	1099.4	1029.9	885.0	828.5	799.5	805.3	967.6
52.5°	1071.9	1070.4	1089.2	1153.0	1219.6	1153.0	1009.6	929.9	890.8	899.5	1077.6
55°	1138.5	1137.0	1163.1	1232.6	1354.3	1308.0	1147.2	1050.1	1013.9	1009.6	1205.1
57.5°	1079.1	1082.0	1126.9	1235.5	1445.6	1549.8	1297.8	1196.4	1134.1	1141.4	1360.1
60°	902.4	885.0	935.7	1083.4	1418.0	1820.7	1512.2	1373.1	1308.0	1294.9	1555.6
62.5°	608.4	614.1	647.5	743.1	1213.8	1894.6	2059.7	1593.3	1503.5	1480.3	1739.6
65°	457.7	456.3	457.7	473.6	657.6	1825.1	2626.0	1885.9	1745.4	1668.6	1933.7
67.5°	382.4	378.0	376.6	412.8	409.9	1148.6	2814.3	2550.7	2042.3	1880.1	2122.0
70°	324.5	315.8	312.9	370.8	380.9	407.0	2792.6	3787.7	2623.1	2175.6	2371.1
72.5°	246.2	244.8	250.6	315.8	375.1	356.3	1681.7	4329.4	4033.9	2746.3	2885.3
75°	175.3	173.8	189.7	256.4	380.9	362.1	525.8	4303.4	4629.3	3599.4	3228.6
77.5°	115.9	114.4	128.9	184.0	357.8	363.6	343.3	3115.6	3599.4	3372.0	2646.3
80°	76.8	73.9	84.0	127.5	286.8	389.6	336.0	1542.6	1835.2	1561.4	879.2
82.5°	44.9	43.5	53.6	88.4	188.3	385.3	338.9	485.2	396.9	202.8	110.1
85°	23.2	24.6	34.8	53.6	121.7	340.4	362.1	249.1	115.9	82.6	55.0
87.5°	7.2	10.1	18.8	29.0	68.1	234.6	321.6	192.6	84.0	53.6	30.4
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°	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0	688.0
2.5°	683.7	688.0	696.7	706.8	717.0	721.3	727.1	728.6	731.5	732.9	731.5
5°	679.3	689.5	708.3	721.3	730.0	728.6	727.1	722.8	721.3	719.9	717.0
7.5°	670.6	688.0	715.5	727.1	721.3	703.9	689.5	672.1	666.3	659.0	657.6
10°	666.3	690.9	718.4	717.0	693.8	660.5	631.5	604.0	585.2	573.6	567.8
12.5°	670.6	701.1	724.2	698.2	657.6	606.9	556.2	514.2	472.2	457.7	450.5
15°	683.7	717.0	724.2	673.5	611.2	538.8	462.1	395.4	346.2	321.6	317.2
17.5°	699.6	730.0	714.1	643.1	557.7	453.4	362.1	276.7	239.0	228.9	227.4
20°	718.4	746.0	698.2	605.5	488.1	365.0	246.2	202.8	198.4	199.9	201.3
22.5°	734.4	753.2	672.1	554.8	405.6	244.8	172.4	163.7	172.4	184.0	186.9
25°	746.0	748.9	643.1	491.0	311.4	156.4	136.2	134.7	147.7	168.0	173.8
27.5°	753.2	734.4	604.0	422.9	191.2	121.7	111.5	115.9	126.0	140.5	143.4
30°	757.5	719.9	566.3	352.0	121.7	102.8	101.4	104.3	108.6	115.9	117.3
32.5°	759.0	705.4	525.8	262.2	102.8	94.1	94.1	97.0	98.5	102.8	102.8
35°	756.1	688.0	485.2	165.1	94.1	91.3	89.8	89.8	89.8	91.3	91.3
37.5°	748.9	670.6	437.4	110.1	89.8	86.9	85.5	85.5	84.0	84.0	84.0
40°	744.5	656.1	392.5	95.6	85.5	84.0	82.6	79.7	78.2	78.2	78.2
42.5°	748.9	648.9	337.5	91.3	82.6	81.1	78.2	75.3	75.3	75.3	75.3
45°	767.7	650.4	268.0	88.4	81.1	78.2	73.9	71.0	71.0	72.4	72.4
47.5°	803.9	663.4	207.1	85.5	78.2	75.3	69.5	68.1	68.1	68.1	68.1
50°	858.9	689.5	163.7	82.6	76.8	72.4	68.1	65.2	65.2	65.2	63.7
52.5°	937.1	737.3	128.9	81.1	75.3	71.0	65.2	62.3	60.8	60.8	59.4
55°	1045.8	812.6	118.8	81.1	72.4	68.1	62.3	57.9	56.5	55.0	55.0
57.5°	1190.6	919.8	117.3	79.7	68.1	63.7	57.9	53.6	52.1	52.1	50.7
60°	1367.3	1063.2	118.8	76.8	65.2	59.4	53.6	50.7	47.8	47.8	47.8
62.5°	1565.8	1219.6	118.8	75.3	63.7	56.5	50.7	46.4	44.9	43.5	43.5
65°	1767.1	1410.8	127.5	73.9	60.8	50.7	46.4	43.5	40.6	40.6	40.6
67.5°	1988.7	1644.0	173.8	73.9	57.9	46.4	42.0	39.1	37.7	37.7	37.7
70°	2275.5	2029.3	263.6	92.7	59.4	43.5	37.7	36.2	34.8	34.8	34.8
72.5°	2865.0	2474.0	210.0	128.9	69.5	39.1	33.3	31.9	31.9	30.4	30.4
75°	2867.9	2194.4	199.9	137.6	75.3	36.2	30.4	29.0	27.5	27.5	27.5
77.5°	2120.5	1432.5	170.9	107.2	65.2	31.9	27.5	26.1	24.6	24.6	24.6
80°	625.7	369.4	107.2	78.2	42.0	26.1	23.2	21.7	20.3	20.3	20.3
82.5°	107.2	97.0	49.2	42.0	26.1	20.3	18.8	17.4	15.9	15.9	15.9
85°	52.1	50.7	27.5	23.2	17.4	14.5	14.5	13.0	11.6	11.6	11.6
87.5°	31.9	29.0	20.3	13.0	10.1	7.2	8.7	7.2	7.2	5.8	5.8
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)