

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: P323487

Luminaire Tested: **GAN-SA3C-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16801 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

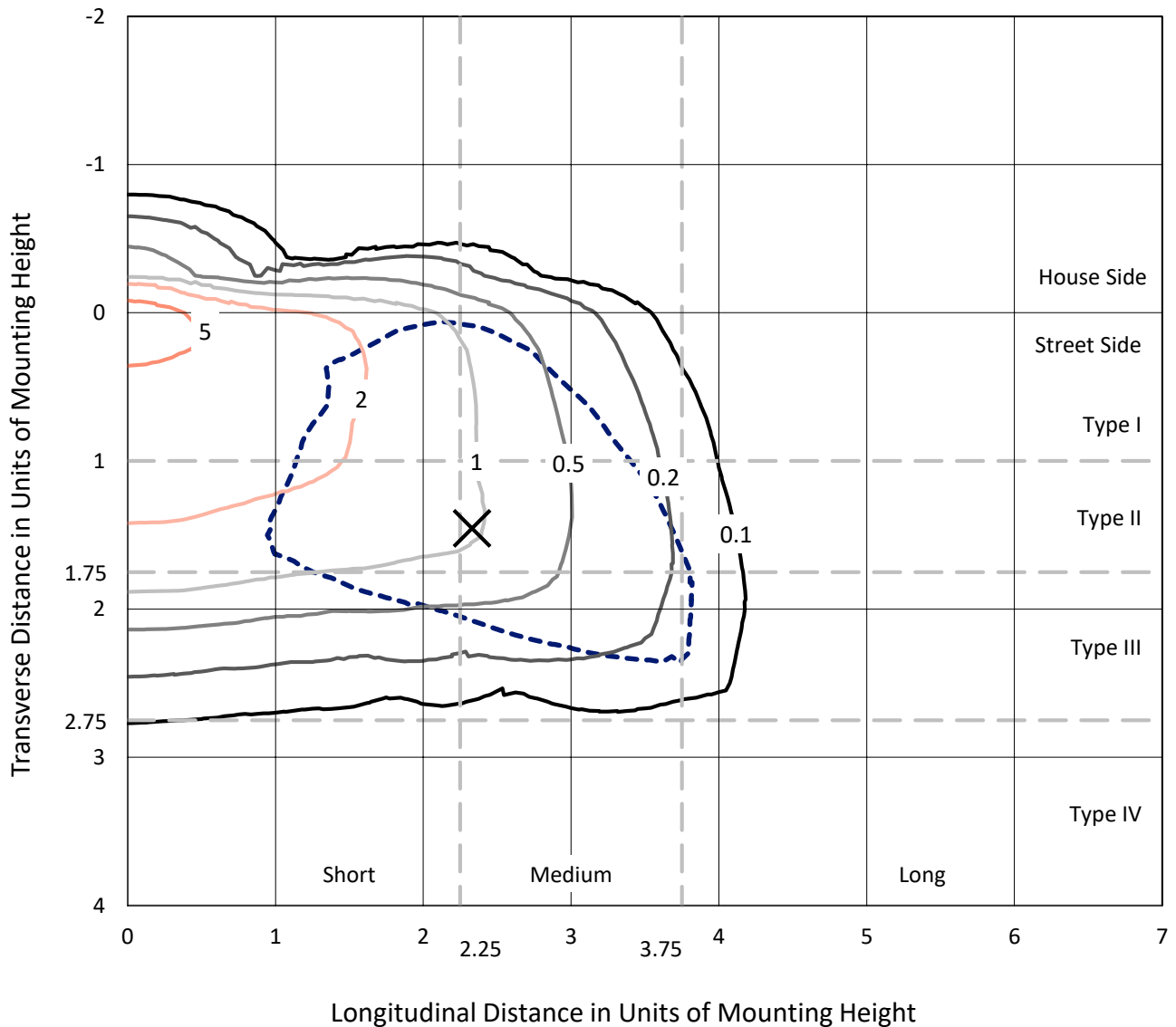
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323487
 CATALOG NUMBER: GAN-SA3C-730-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

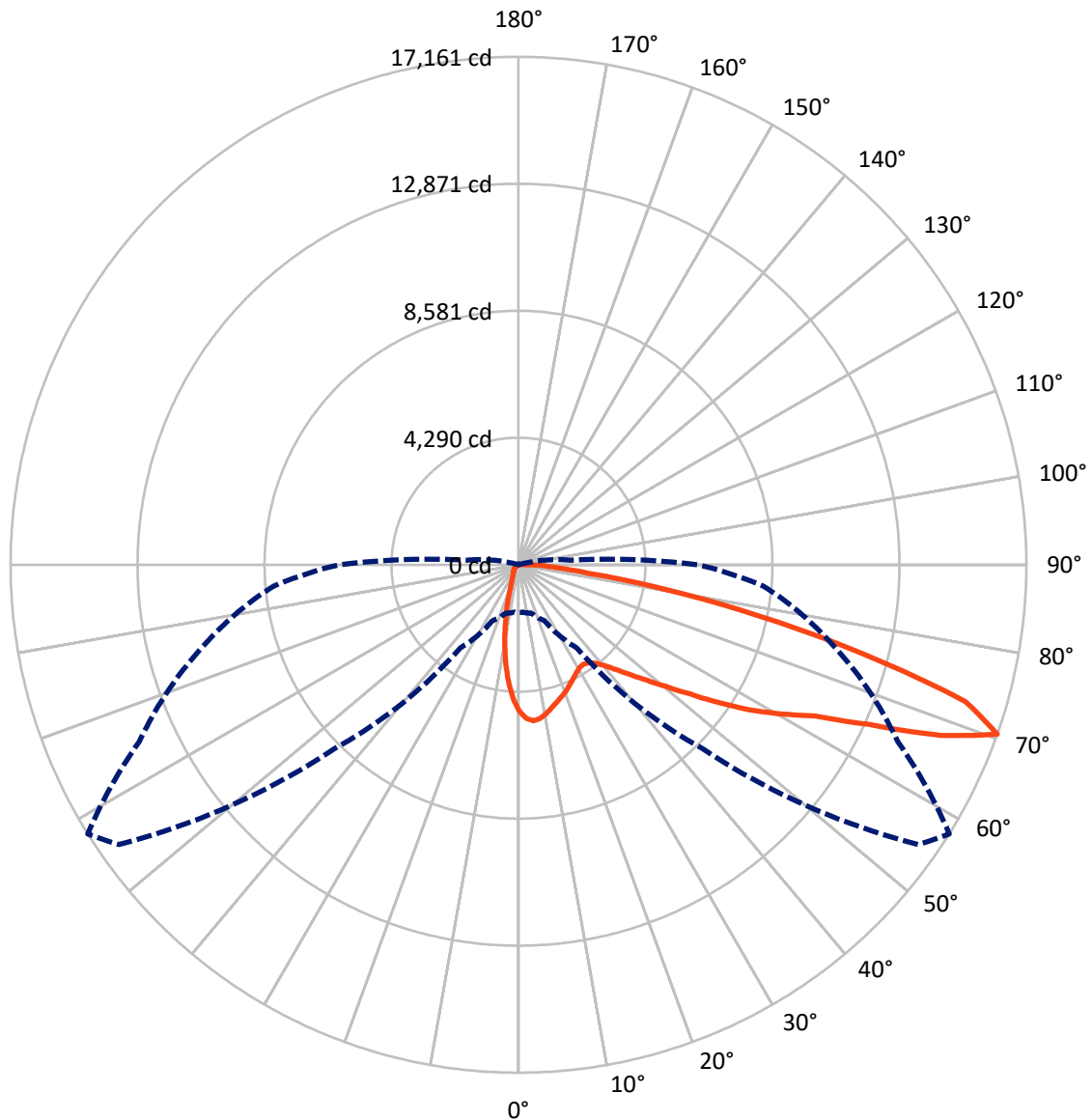
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P323487
CATALOG NUMBER: GAN-SA3C-730-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P323487
 CATALOG NUMBER: GAN-SA3C-730-U-SL3-HSS

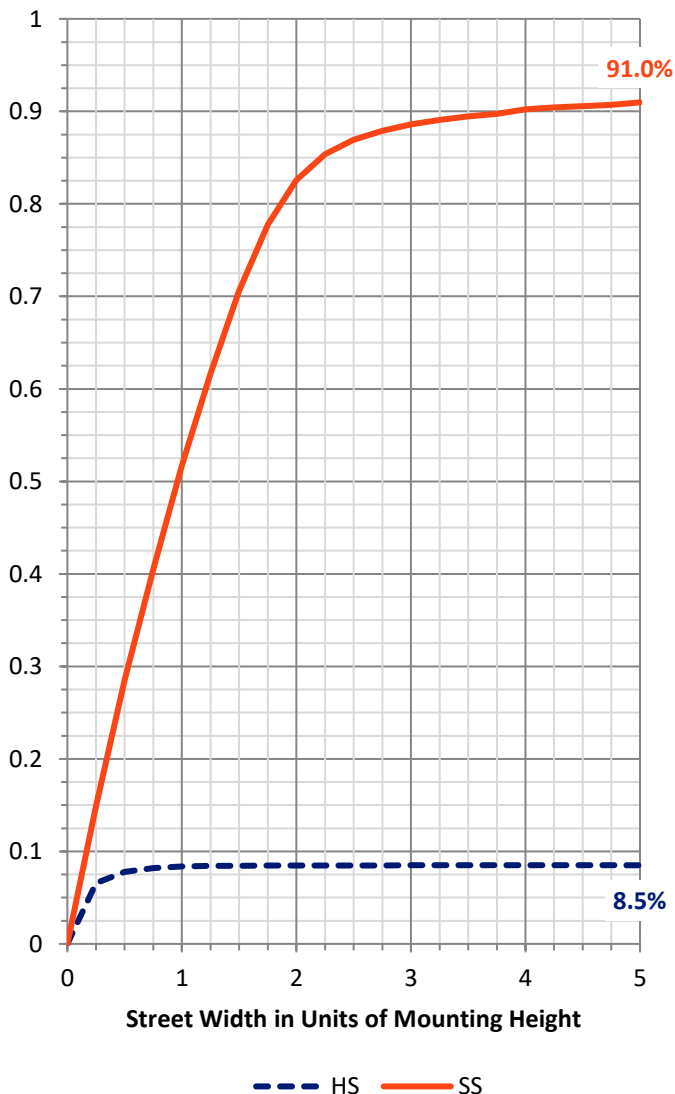
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1437.8	0.0	1437.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	15363.2	0.0	15363.2
	% Fixture	91.4	0.0	91.4
Total	Lumens	16801.0	0.0	16801.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.8	2.4
10°-20°	851.8	5.1
20°-30°	1119.8	6.7
30°-40°	1483.0	8.8
40°-50°	2216.7	13.2
50°-60°	3551.0	21.1
60°-70°	4476.0	26.6
70°-80°	2414.3	14.4
80°-90°	282.6	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°	16801.0	100.0
0°-180°	16801.0	100.0

Coefficient of Utilization

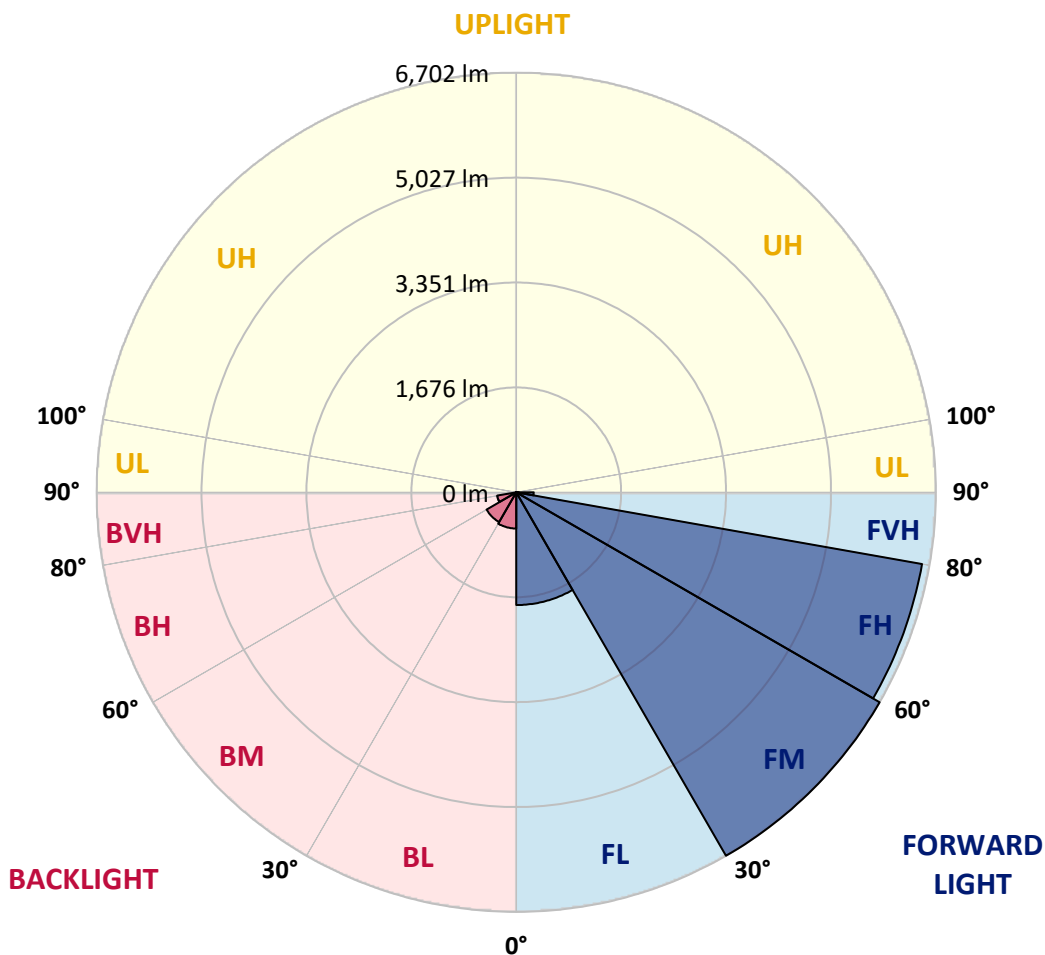


REPORT NUMBER: P323487
 CATALOG NUMBER: GAN-SA3C-730-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1799.7	10.7			
FM (30°-60°)	6702.2	39.9			
FH (60°-80°)	6581.1	39.2			G3/7500
FVH (80°-90°)	280.2	1.7			G3/500
BL (0°-30°)	577.6	3.4	B2/1000		
BM (30°-60°)	548.5	3.3	B1/1000		
BH (60°-80°)	309.2	1.8	B1/500		G1/500
BVH (80°-90°)	2.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Medium





REPORT NUMBER: P323487

CATALOG NUMBER: GAN-SA3C-730-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4962.9	4962.9	4962.9	4962.9	4962.9	4962.9	4962.9	4962.9	4962.9	4962.9	4962.9
2.5°	5374.4	5361.1	5356.3	5347.9	5315.7	5284.3	5222.1	5204.7	5165.5	5072.6	4974.1
5°	5378.6	5377.9	5392.6	5389.1	5377.9	5363.2	5318.5	5295.5	5229.1	5096.4	4916.1
7.5°	5119.4	5132.7	5165.5	5192.1	5222.8	5262.6	5268.2	5245.9	5191.4	5048.2	4809.2
10°	4771.5	4792.5	4838.6	4891.0	4971.3	5051.0	5122.2	5119.4	5100.6	4959.4	4680.7
12.5°	4422.9	4447.4	4500.5	4578.0	4691.9	4821.8	4949.0	4966.4	4997.9	4879.8	4561.9
15°	4117.6	4138.6	4191.0	4286.0	4427.1	4601.8	4788.3	4820.4	4901.5	4817.6	4462.7
17.5°	3858.4	3871.7	3910.1	4015.6	4179.1	4390.8	4633.2	4696.1	4816.9	4768.7	4376.8
20°	3677.5	3679.6	3704.7	3778.8	3942.3	4179.1	4472.5	4562.6	4727.5	4726.8	4288.1
22.5°	3588.1	3581.1	3586.0	3628.6	3748.7	3977.2	4311.8	4418.7	4647.2	4691.2	4198.0
25°	3571.3	3565.7	3551.7	3557.3	3630.0	3800.4	4149.8	4273.4	4576.6	4669.5	4119.7
27.5°	3623.7	3629.3	3605.5	3580.4	3586.0	3685.9	4005.8	4149.1	4519.3	4669.5	4064.5
30°	3729.2	3732.0	3714.5	3681.7	3637.7	3653.7	3905.9	4049.2	4490.7	4701.7	4029.6
32.5°	3845.9	3861.2	3859.1	3832.6	3769.7	3704.7	3882.2	4012.8	4488.6	4772.9	4026.1
35°	3990.5	4007.9	4037.3	4031.7	3966.0	3859.1	3963.2	4065.9	4529.8	4890.3	4063.8
37.5°	4144.2	4170.7	4233.6	4263.6	4221.0	4100.2	4144.9	4218.2	4640.2	5080.3	4159.5
40°	4293.0	4323.0	4437.6	4555.6	4523.5	4399.2	4420.1	4478.8	4836.5	5353.5	4341.2
42.5°	4439.0	4483.7	4652.1	4846.3	4884.7	4785.5	4796.7	4843.5	5127.8	5729.3	4638.1
45°	4613.6	4663.9	4913.3	5153.0	5255.7	5212.3	5259.8	5290.6	5508.6	6226.0	5038.4
47.5°	4870.0	4928.0	5234.0	5507.2	5687.4	5715.3	5811.1	5831.3	5989.9	6804.5	5560.2
50°	5370.2	5386.3	5662.9	5911.0	6170.8	6338.5	6447.5	6462.9	6572.5	7436.7	6212.1
52.5°	5999.7	6010.2	6166.6	6332.9	6628.4	6970.7	7225.7	7247.4	7270.4	8052.9	6855.5
55°	6624.9	6623.5	6726.9	6824.7	7162.9	7660.3	8213.6	8226.8	8061.3	8637.6	7347.3
57.5°	7015.5	7053.2	7210.4	7336.1	7808.4	8446.2	9214.0	9262.9	8891.9	9070.8	7833.5
60°	6891.1	6909.3	7257.9	7723.1	8612.5	9563.3	10226.3	10238.8	9516.5	9503.2	8448.3
62.5°	5871.1	5880.9	6428.6	7387.8	9019.8	11012.2	11447.4	11242.8	10234.7	10103.3	9183.9
65°	4024.0	4087.6	4545.2	5730.7	8271.6	11921.1	13337.9	12999.1	11329.4	10968.2	9849.0
67.5°	2369.7	2356.4	2582.8	3456.0	6075.1	11317.5	15729.2	15392.5	12822.3	11547.3	9654.1
70°	1618.7	1609.6	1696.2	2092.3	3429.5	8779.5	16481.6	17161.4	14140.6	11157.5	8308.6
72.5°	1155.5	1160.4	1288.2	1625.7	2153.1	5115.2	14173.4	15782.3	13727.7	9726.8	6315.4
75°	784.5	797.8	980.9	1333.6	1887.6	2602.3	10057.9	11997.3	11178.5	7069.2	3630.0
77.5°	422.0	436.6	652.5	1074.5	1706.7	1808.0	6469.8	8256.9	7021.7	3178.0	1052.1
80°	176.1	184.4	305.3	781.0	1474.8	1587.9	3806.7	5006.9	2992.2	626.7	234.7
82.5°	76.1	80.3	127.1	466.0	1102.4	1340.6	2015.5	2408.8	906.8	137.6	118.1
85°	14.7	15.4	52.4	246.6	703.5	756.6	1306.4	1280.6	407.3	59.4	85.9
87.5°	0.0	0.0	12.6	77.5	206.8	412.2	797.1	787.3	138.3	28.6	32.1
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: P323487
 CATALOG NUMBER: GAN-SA3C-730-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4962.9	4962.9	4962.9	4962.9	4962.9	4962.9	4962.9	4962.9	4962.9	4962.9	4962.9
2.5°	4923.8	4875.6	4774.3	4649.3	4553.5	4448.1	4364.2	4258.0	4211.9	4214.0	4188.9
5°	4813.4	4714.2	4490.0	4207.0	3989.1	3764.1	3570.6	3377.8	3263.9	3226.9	3192.0
7.5°	4655.5	4498.4	4140.7	3704.7	3335.9	2975.4	2661.7	2385.8	2211.1	2125.9	2094.4
10°	4477.4	4256.6	3739.0	3164.7	2638.0	2150.3	1743.7	1390.2	1249.1	1153.4	1129.0
12.5°	4320.9	4021.9	3346.3	2610.7	1985.5	1397.2	1009.5	789.4	693.7	656.0	649.7
15°	4173.5	3802.5	2968.4	2109.1	1374.9	860.0	642.0	567.3	544.9	538.6	538.6
17.5°	4034.5	3593.7	2598.8	1615.2	909.6	602.9	531.6	514.9	507.9	507.2	507.9
20°	3889.2	3384.8	2235.6	1183.4	635.0	510.7	491.1	482.0	479.9	479.9	479.9
22.5°	3750.1	3175.9	1882.1	845.3	509.3	466.0	456.2	449.9	447.8	447.1	445.7
25°	3616.7	2977.5	1536.9	597.3	447.1	426.9	418.5	410.1	403.8	400.3	398.2
27.5°	3507.0	2800.7	1215.6	479.2	403.8	386.3	375.9	363.3	347.9	340.9	338.1
30°	3419.7	2639.4	936.8	404.5	363.3	345.8	329.7	308.1	285.7	273.9	273.2
32.5°	3351.2	2480.8	711.2	357.7	327.0	305.3	282.2	255.0	229.1	215.9	215.2
35°	3317.7	2341.0	543.5	323.5	294.8	267.6	238.9	208.9	183.7	171.2	169.8
37.5°	3340.1	2223.0	424.1	294.8	267.6	236.1	202.6	171.2	148.8	137.6	136.9
40°	3421.8	2147.5	344.4	270.4	244.5	206.1	169.8	140.4	121.6	112.5	111.8
42.5°	3595.8	2119.6	294.1	250.1	222.2	178.1	141.1	116.0	98.5	92.2	90.8
45°	3886.4	2160.8	259.9	230.5	199.1	151.6	116.7	95.0	79.6	74.8	74.1
47.5°	4273.4	2269.1	235.4	211.7	178.1	127.8	97.1	76.8	65.0	60.1	59.4
50°	4772.2	2440.9	215.2	192.8	158.6	108.3	80.3	60.8	50.3	46.8	46.8
52.5°	5315.0	2645.6	197.0	175.4	139.0	90.1	65.0	46.8	39.8	35.6	35.6
55°	5763.5	2824.5	177.4	162.1	115.3	74.8	49.6	35.6	29.3	27.2	27.2
57.5°	6211.4	3015.2	155.1	139.0	92.2	60.8	37.7	26.5	21.7	20.3	20.3
60°	6791.9	3248.5	133.4	113.2	72.7	46.1	27.9	18.9	16.1	15.4	15.4
62.5°	7430.4	3385.5	113.9	90.8	56.6	34.2	20.3	12.6	11.9	11.9	11.2
65°	7821.0	3192.0	95.7	72.7	44.0	25.8	13.3	9.1	10.5	9.8	8.4
67.5°	7322.8	2498.9	78.2	56.6	34.2	19.6	8.4	6.3	11.2	9.1	7.0
70°	6063.2	1749.3	60.8	39.8	27.2	16.8	5.6	4.2	11.9	9.1	5.6
72.5°	4537.5	1170.9	48.2	26.5	20.3	14.7	4.9	2.1	10.5	7.7	4.9
75°	2479.4	471.6	38.4	16.8	12.6	10.5	3.5	1.4	7.0	5.6	3.5
77.5°	652.5	124.4	27.9	11.2	7.0	4.2	2.1	0.7	3.5	2.8	1.4
80°	166.3	48.2	18.2	7.7	4.9	2.1	0.0	0.0	0.7	0.0	0.0
82.5°	88.7	20.3	11.2	5.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	67.1	13.3	6.3	3.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	25.8	4.2	2.1	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)