

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: P318698

Luminaire Tested: **GAN-SA4D-730-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4D-730-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28676 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

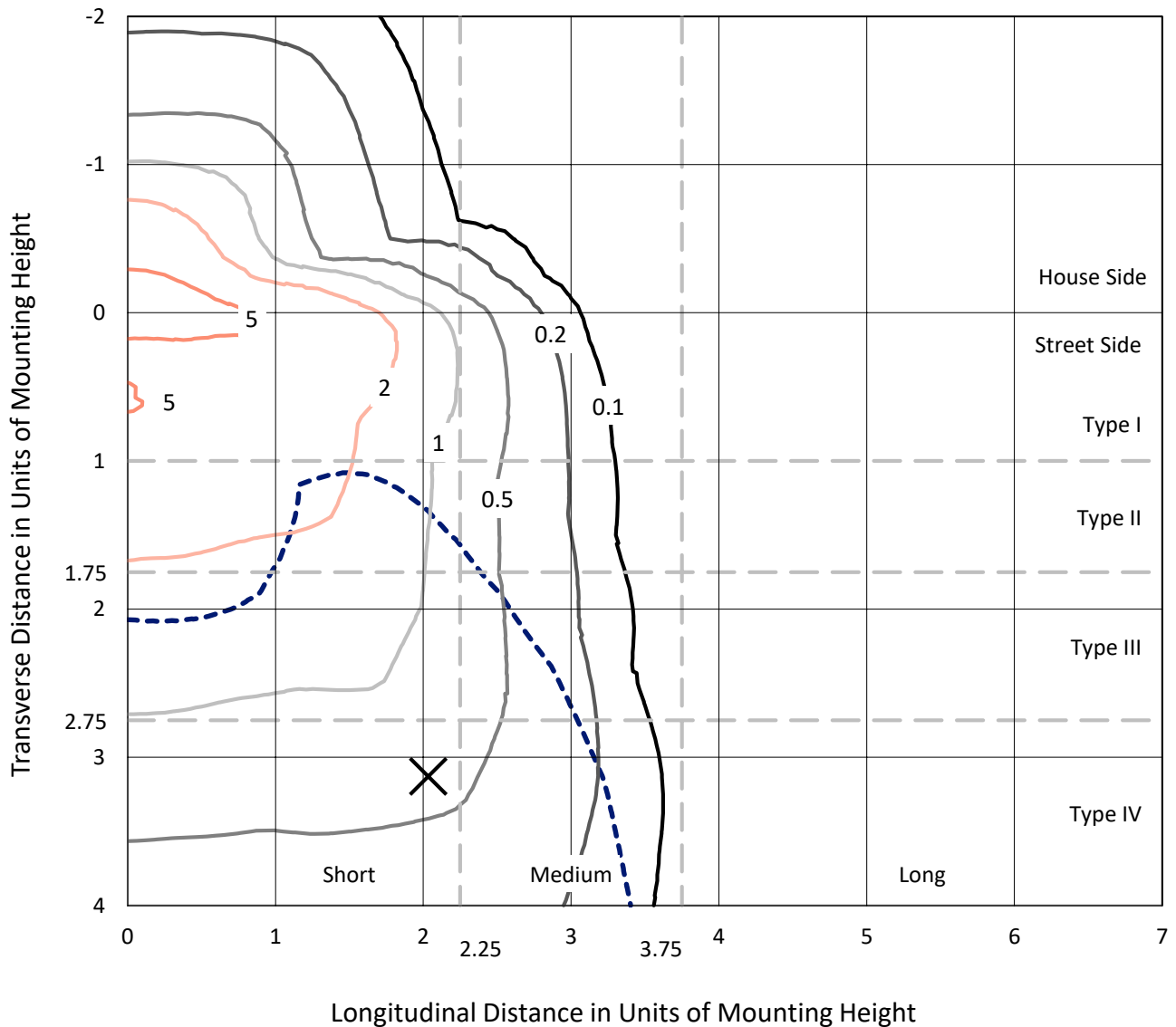
Input Watts (W): 258
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318698
 CATALOG NUMBER: GAN-SA4D-730-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

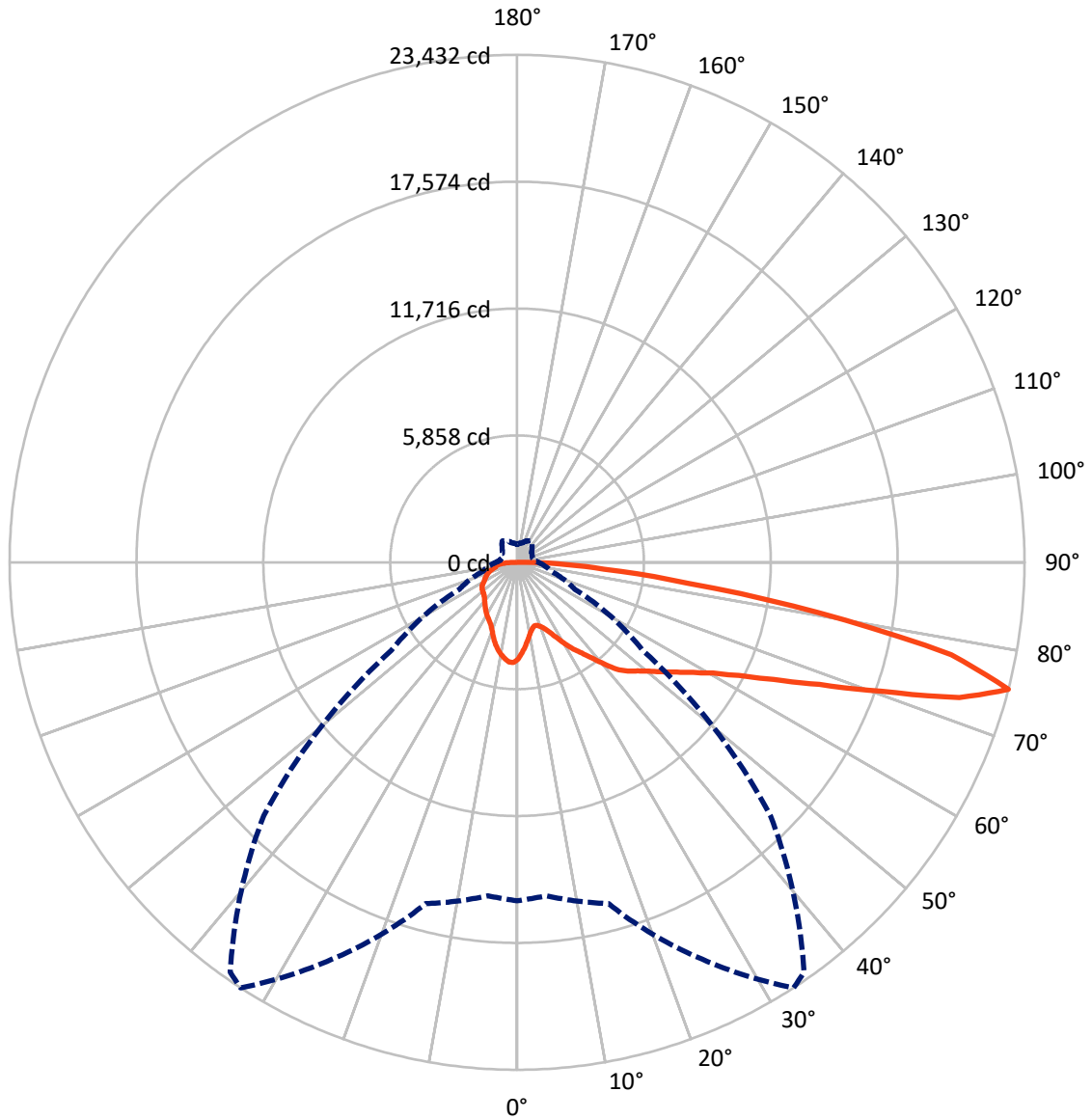
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P318698
CATALOG NUMBER: GAN-SA4D-730-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P318698
 CATALOG NUMBER: GAN-SA4D-730-U-T4FT

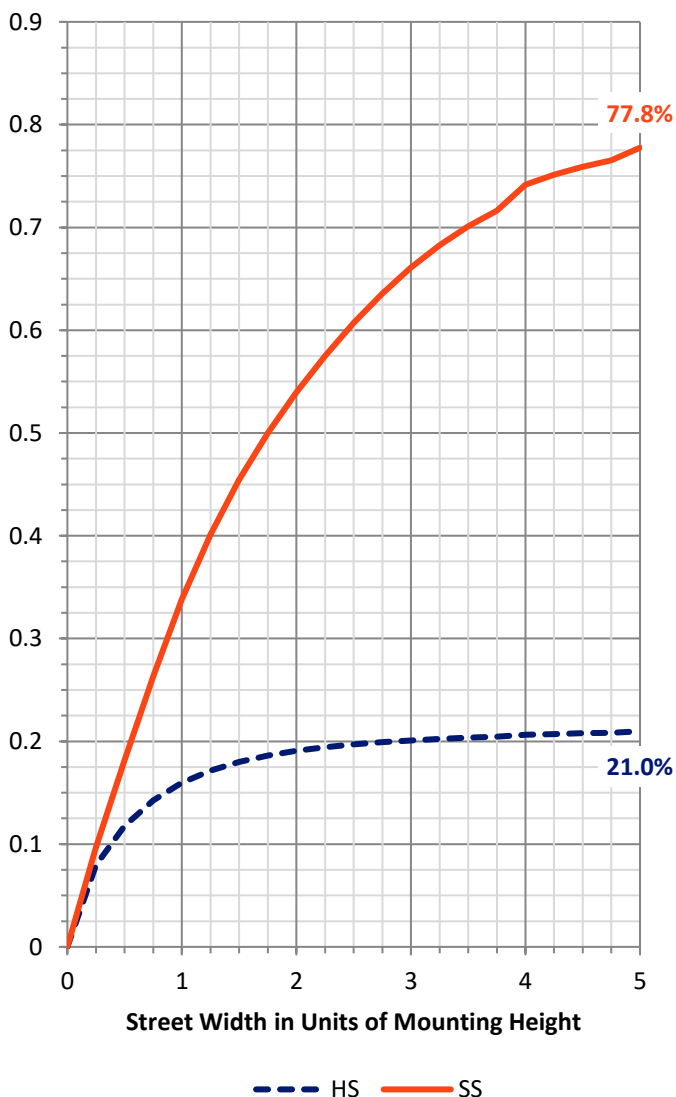
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6157.5	0.0	6157.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	22518.5	0.0	22518.5
	% Fixture	78.5	0.0	78.5
Total	Lumens	28676.0	0.0	28676.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.4	1.4
10°-20°	1097.9	3.8
20°-30°	1793.0	6.3
30°-40°	2670.2	9.3
40°-50°	3829.8	13.4
50°-60°	5257.7	18.3
60°-70°	6582.5	23.0
70°-80°	5954.8	20.8
80°-90°	1084.7	3.8
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°	28676.0	100.0
0°-180°	28676.0	100.0

Coefficient of Utilization

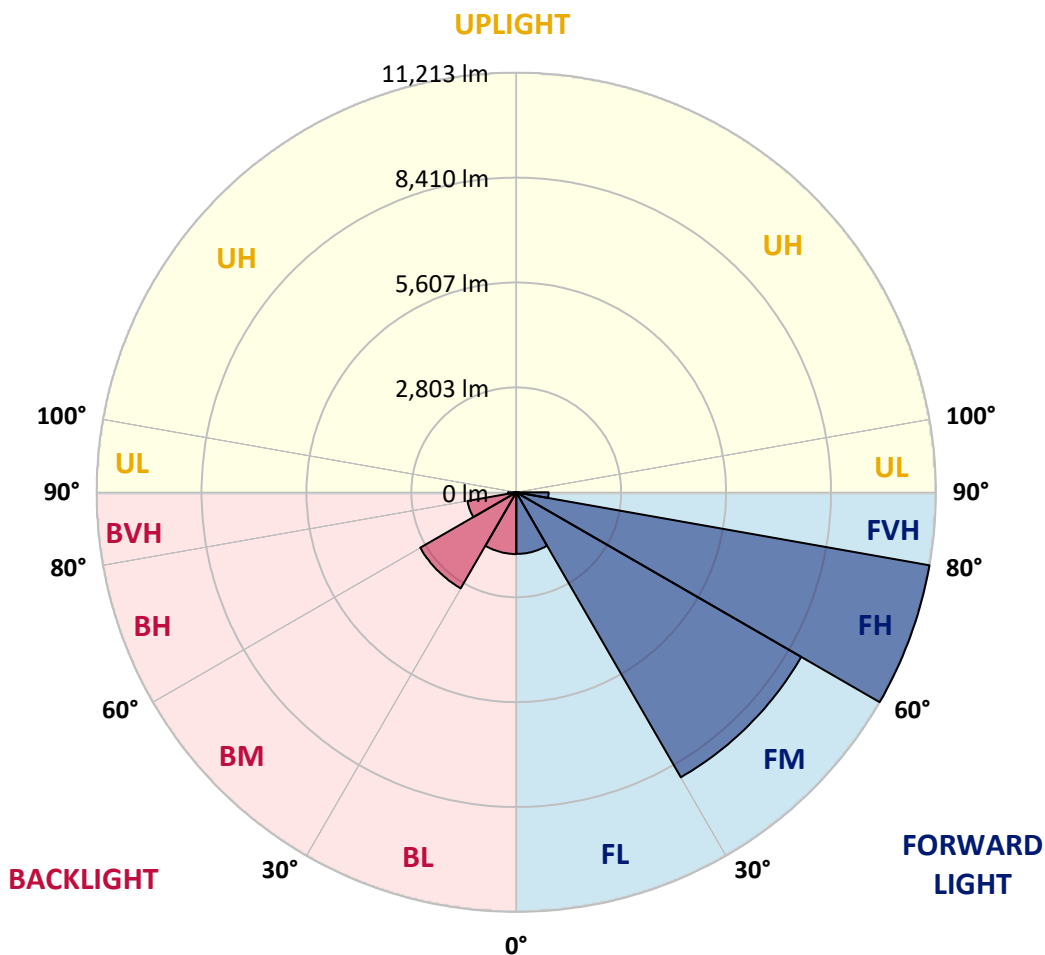


REPORT NUMBER: P318698
 CATALOG NUMBER: GAN-SA4D-730-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1647.0	5.7			
FM (30°-60°)	8794.3	30.7			
FH (60°-80°)	11213.3	39.1			G4/12000
FVH (80°-90°)	863.9	3.0			G5
BL (0°-30°)	1649.3	5.8	B3/2500		
BM (30°-60°)	2963.4	10.3	B3/5000		
BH (60°-80°)	1324.0	4.6	B3/2500		G3/2500
BVH (80°-90°)	220.8	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short





REPORT NUMBER: P318698
 CATALOG NUMBER: GAN-SA4D-730-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2
2.5°	4162.3	4146.4	4176.1	4180.1	4205.9	4215.8	4251.4	4306.9	4352.5	4405.0	4452.5
5°	3784.9	3774.0	3815.6	3845.3	3901.8	3925.5	4009.7	4127.6	4232.6	4351.5	4459.4
7.5°	3426.3	3420.4	3466.9	3534.3	3599.6	3632.3	3777.9	3949.3	4124.6	4316.8	4482.2
10°	3124.2	3122.2	3166.8	3233.1	3329.2	3365.9	3554.1	3779.9	4025.6	4290.1	4520.9
12.5°	2954.8	2961.7	2982.5	3038.0	3127.2	3163.8	3372.8	3638.3	3942.4	4281.1	4577.3
15°	2996.4	3007.3	2971.6	2969.7	3033.1	3061.8	3257.9	3537.2	3882.9	4296.0	4659.5
17.5°	3173.7	3175.7	3081.6	3022.2	3060.8	3075.6	3222.2	3479.8	3848.3	4329.7	4762.5
20°	3423.3	3418.4	3252.0	3152.9	3173.7	3177.7	3272.8	3480.8	3845.3	4388.1	4896.3
22.5°	3754.2	3717.5	3493.7	3358.9	3354.0	3348.0	3402.5	3554.1	3888.9	4483.2	5055.7
25°	4186.0	4151.4	3843.3	3659.1	3619.5	3604.6	3612.5	3710.6	3975.1	4585.2	5234.0
27.5°	4666.5	4606.0	4308.9	4048.4	3966.1	3945.3	3897.8	3931.5	4069.2	4683.3	5446.0
30°	5068.6	5035.9	4776.4	4467.4	4370.3	4340.6	4215.8	4179.1	4204.9	4817.0	5713.5
32.5°	5293.5	5271.7	5114.2	4864.6	4774.4	4732.8	4556.5	4483.2	4422.8	5028.0	6076.0
35°	5565.9	5552.0	5456.9	5275.6	5141.9	5098.3	4961.6	4885.4	4729.9	5318.2	6544.5
37.5°	5912.6	5897.7	5899.7	5753.1	5593.6	5553.0	5462.9	5382.6	5128.1	5699.6	7053.7
40°	6304.8	6276.1	6265.2	6258.3	6157.2	6134.4	6086.9	5977.9	5627.3	6155.3	7555.9
42.5°	6895.2	6793.2	6575.2	6657.5	6757.5	6745.6	6784.2	6627.7	6182.0	6694.1	8046.2
45°	7464.8	7297.4	6920.9	6938.8	7157.7	7224.1	7513.3	7402.3	6783.3	7284.5	8553.4
47.5°	7724.3	7597.5	7277.5	7278.5	7495.5	7633.1	8267.1	8187.9	7415.2	7955.1	9172.5
50°	8014.5	7887.7	7600.5	7708.4	7897.6	8044.2	8995.1	8954.5	8016.5	8689.1	9914.4
52.5°	8331.5	8116.5	7934.3	8127.4	8392.9	8563.3	9724.2	9613.2	8568.2	9428.0	10767.2
55°	8335.4	8277.0	8415.7	8557.3	8954.5	9163.5	10487.9	10194.7	9017.9	10154.1	11461.6
57.5°	8809.9	8714.8	9009.0	9074.4	9593.4	9829.2	11247.6	10700.9	9475.6	10710.8	11836.0
60°	9437.9	9356.7	9597.4	9769.8	10383.9	10698.9	12058.9	11220.9	9835.1	11130.8	11818.2
62.5°	10522.6	10430.4	10427.5	10669.2	11496.3	11862.8	12969.2	11731.0	9977.8	11214.0	11314.0
65°	12110.4	11963.8	11687.4	11802.4	13032.6	13398.1	13986.5	12100.5	9789.6	10768.2	10015.4
67.5°	13655.7	13650.7	13311.0	13546.7	15061.2	15354.4	15145.4	12137.2	9202.2	9216.0	7711.4
70°	15196.0	15215.8	15158.3	15978.5	17802.1	18107.2	16379.7	11644.9	7881.8	6655.5	4619.9
72.5°	16416.3	16411.4	16700.6	18815.4	21359.1	21290.8	17419.7	10153.1	5659.0	3592.7	2207.9
75°	15625.9	15453.5	16315.3	20220.0	23432.4	23098.5	16535.2	7082.4	2937.0	1635.4	1188.7
77.5°	10191.7	10355.2	11620.1	16703.6	20496.4	20090.2	12131.2	3304.5	1383.8	1072.8	861.8
80°	3690.8	3863.1	5441.1	9461.7	14121.2	14054.9	5974.0	1358.0	936.1	810.3	628.0
82.5°	1269.9	1333.3	2146.5	4201.9	7972.9	8270.1	2247.5	771.6	680.5	574.5	429.9
85°	498.2	570.6	981.6	2021.7	4021.6	4051.3	910.3	461.6	473.5	376.4	235.7
87.5°	189.2	229.8	469.5	939.0	1836.5	1686.9	325.9	219.9	269.4	223.9	111.9
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: P318698
 CATALOG NUMBER: GAN-SA4D-730-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2	4482.2
2.5°	4489.2	4510.0	4553.5	4583.3	4615.0	4623.9	4627.8	4635.8	4643.7	4640.7	4641.7
5°	4516.9	4557.5	4627.8	4657.5	4671.4	4655.6	4624.9	4600.1	4582.3	4572.4	4569.4
7.5°	4562.5	4619.9	4695.2	4690.2	4658.5	4588.2	4509.0	4449.5	4400.0	4382.2	4372.3
10°	4622.9	4690.2	4742.7	4686.3	4594.2	4472.3	4353.4	4261.3	4187.0	4158.3	4153.4
12.5°	4700.1	4768.5	4778.4	4658.5	4506.0	4339.6	4178.1	4056.3	3945.3	3909.7	3901.8
15°	4800.2	4864.6	4803.2	4610.0	4397.0	4173.2	3964.2	3798.7	3681.9	3638.3	3622.4
17.5°	4905.2	4966.6	4808.1	4529.8	4254.4	3976.1	3713.6	3544.2	3410.4	3359.9	3354.0
20°	5031.0	5058.7	4787.3	4414.9	4058.3	3720.5	3444.1	3284.6	3213.3	3177.7	3173.7
22.5°	5186.5	5156.8	4739.8	4259.3	3809.6	3425.3	3200.5	3126.2	3108.3	3100.4	3103.4
25°	5350.9	5259.8	4669.4	4056.3	3495.6	3130.1	3022.2	3043.0	3066.7	3063.8	3063.8
27.5°	5532.2	5364.8	4561.5	3786.9	3148.0	2888.4	2901.3	2977.6	3013.2	3012.2	3011.3
30°	5765.0	5483.7	4423.8	3462.9	2823.1	2718.1	2796.3	2889.4	2938.0	2936.0	2937.0
32.5°	6051.2	5614.4	4236.6	3101.4	2588.3	2592.3	2682.4	2774.5	2831.0	2826.0	2827.0
35°	6386.0	5761.0	3983.0	2744.8	2432.8	2492.2	2563.5	2627.9	2681.4	2674.5	2667.5
37.5°	6750.6	5904.6	3646.2	2425.8	2306.0	2399.1	2458.5	2469.4	2494.2	2476.4	2463.5
40°	7097.3	6014.6	3212.3	2164.3	2178.2	2319.9	2358.5	2314.9	2270.3	2264.4	2246.6
42.5°	7399.4	6051.2	2773.5	1955.3	2043.5	2236.7	2260.4	2169.3	2089.1	2051.4	2035.6
45°	7718.3	6064.1	2364.4	1780.0	1913.7	2162.4	2188.1	2066.3	1953.4	1872.1	1845.4
47.5°	8135.4	6157.2	2046.5	1650.2	1814.7	2112.8	2149.5	1984.1	1837.5	1721.6	1696.8
50°	8681.1	6341.5	1787.9	1551.2	1750.3	2080.1	2121.7	1903.8	1742.4	1602.7	1577.9
52.5°	9287.4	6510.9	1578.9	1471.0	1687.9	2022.7	2086.1	1846.4	1653.2	1492.8	1466.0
55°	9711.3	6381.1	1410.5	1387.8	1606.7	1940.5	2036.6	1797.8	1525.4	1385.8	1362.0
57.5°	9792.5	5937.3	1282.8	1301.6	1508.6	1837.5	1960.3	1689.9	1456.1	1339.2	1314.5
60°	9570.7	5319.2	1187.7	1222.3	1403.6	1707.7	1817.7	1613.6	1389.7	1289.7	1268.9
62.5°	9013.0	4686.3	1117.3	1151.0	1305.5	1576.0	1728.5	1533.4	1322.4	1233.2	1212.4
65°	7886.7	3934.4	1050.0	1087.6	1214.4	1462.0	1648.3	1459.1	1256.0	1187.7	1167.9
67.5°	5953.2	2946.9	986.6	1020.3	1133.2	1363.0	1561.1	1385.8	1191.6	1148.0	1124.3
70°	3505.5	1845.4	914.3	949.9	1048.0	1260.0	1468.0	1305.5	1111.4	1091.6	1060.9
72.5°	1631.4	1110.4	832.1	866.7	941.0	1122.3	1348.1	1200.5	1016.3	972.7	931.1
75°	973.7	812.2	735.0	765.7	818.2	975.7	1197.6	1093.6	926.2	868.7	825.1
77.5°	728.1	621.1	628.0	660.7	703.3	853.9	1060.9	1009.4	856.8	812.2	782.5
80°	524.0	471.5	512.1	547.8	592.3	776.6	1016.3	933.1	774.6	715.2	687.4
82.5°	349.7	338.8	385.3	422.0	465.6	679.5	954.9	817.2	661.7	586.4	525.0
85°	193.2	204.1	259.5	275.4	313.0	478.4	782.5	656.7	498.2	401.2	383.3
87.5°	80.2	94.1	139.7	134.7	166.4	285.3	515.1	396.2	317.0	236.7	184.2
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)