

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: P653214

Luminaire Tested: **GLAN-SA2D-840-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2D-840-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11068.4 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

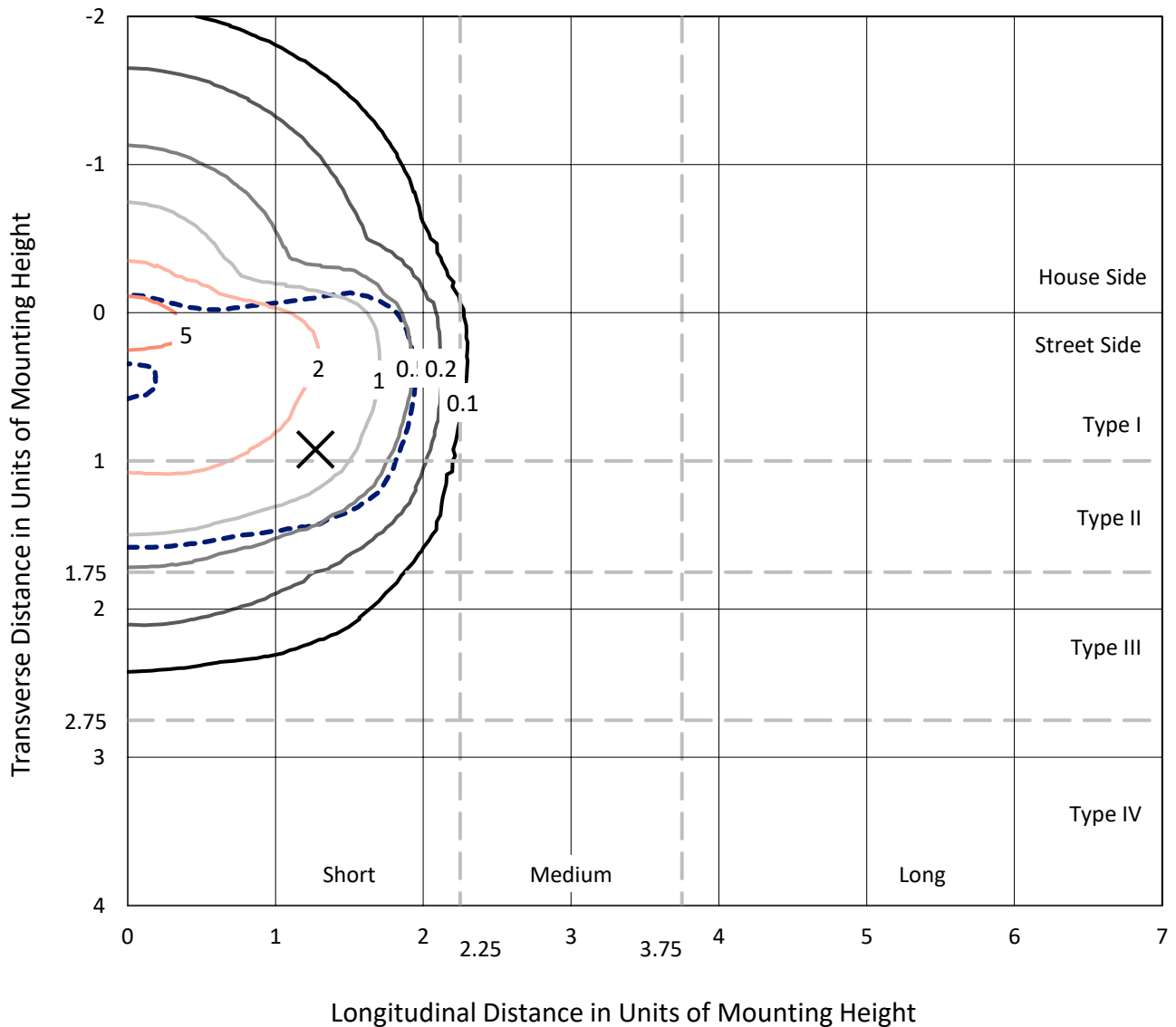
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P653214
 CATALOG NUMBER: GLAN-SA2D-840-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

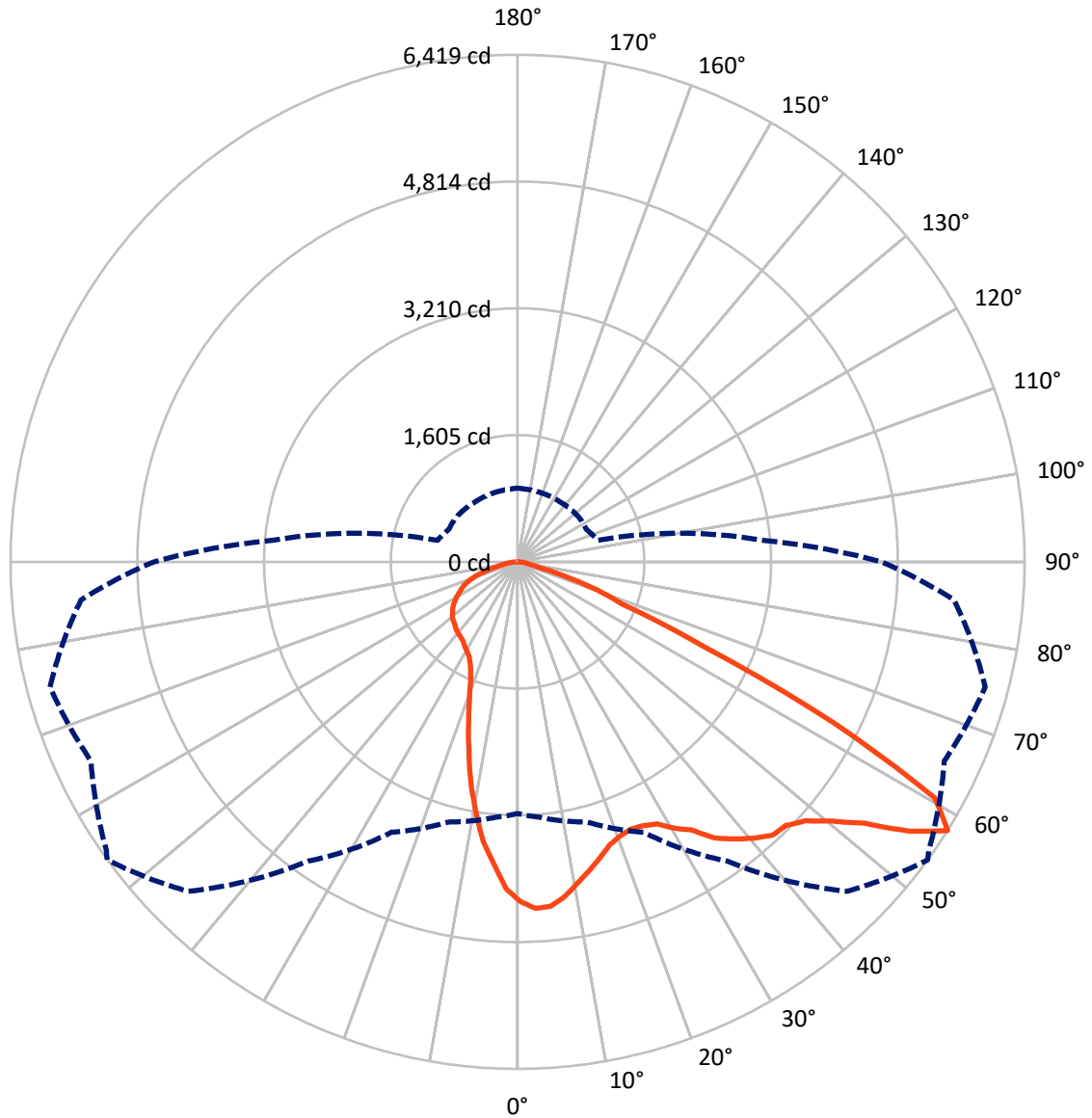
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - N/A

REPORT NUMBER: P653214
CATALOG NUMBER: GLAN-SA2D-840-U-SL3-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P653214
 CATALOG NUMBER: GLAN-SA2D-840-U-SL3-GRSWH

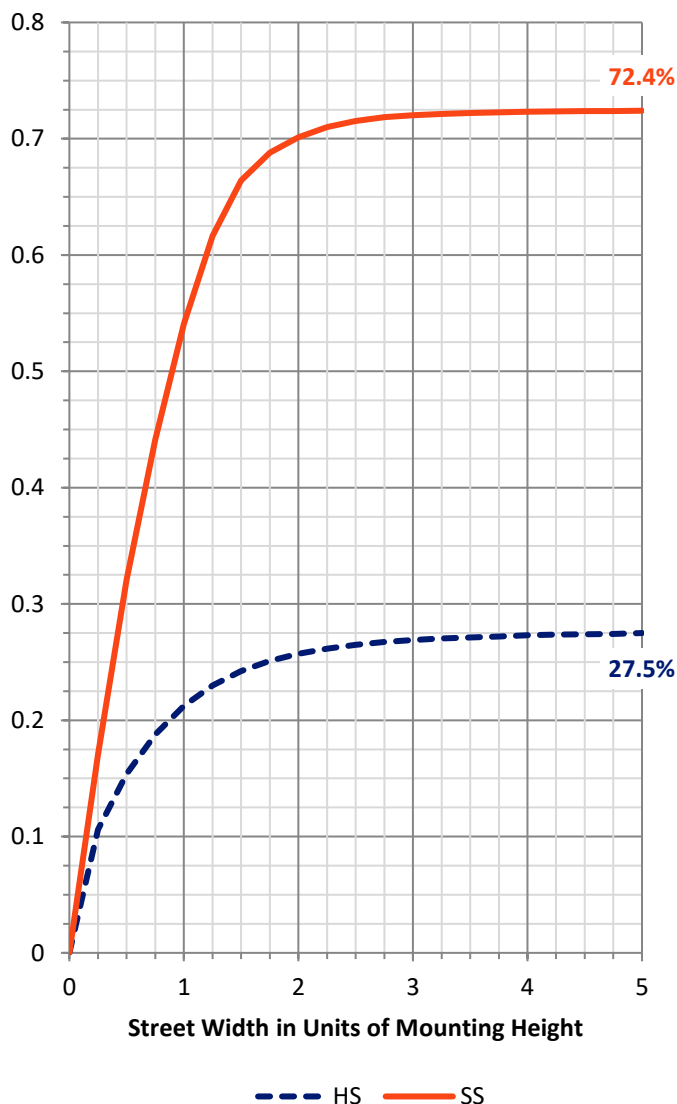
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3062.1	0.0	3062.1
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	8006.3	0.0	8006.3
	% Fixture	72.3	0.0	72.3
Total	Lumens	11068.4	0.0	11068.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.0	3.4
10°-20°	859.0	7.8
20°-30°	1207.0	10.9
30°-40°	1687.4	15.2
40°-50°	2284.4	20.6
50°-60°	2782.4	25.1
60°-70°	1449.2	13.1
70°-80°	371.3	3.4
80°-90°	56.6	0.5
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°	11068.4	100.0
0°-180°	11068.4	100.0

Coefficient of Utilization



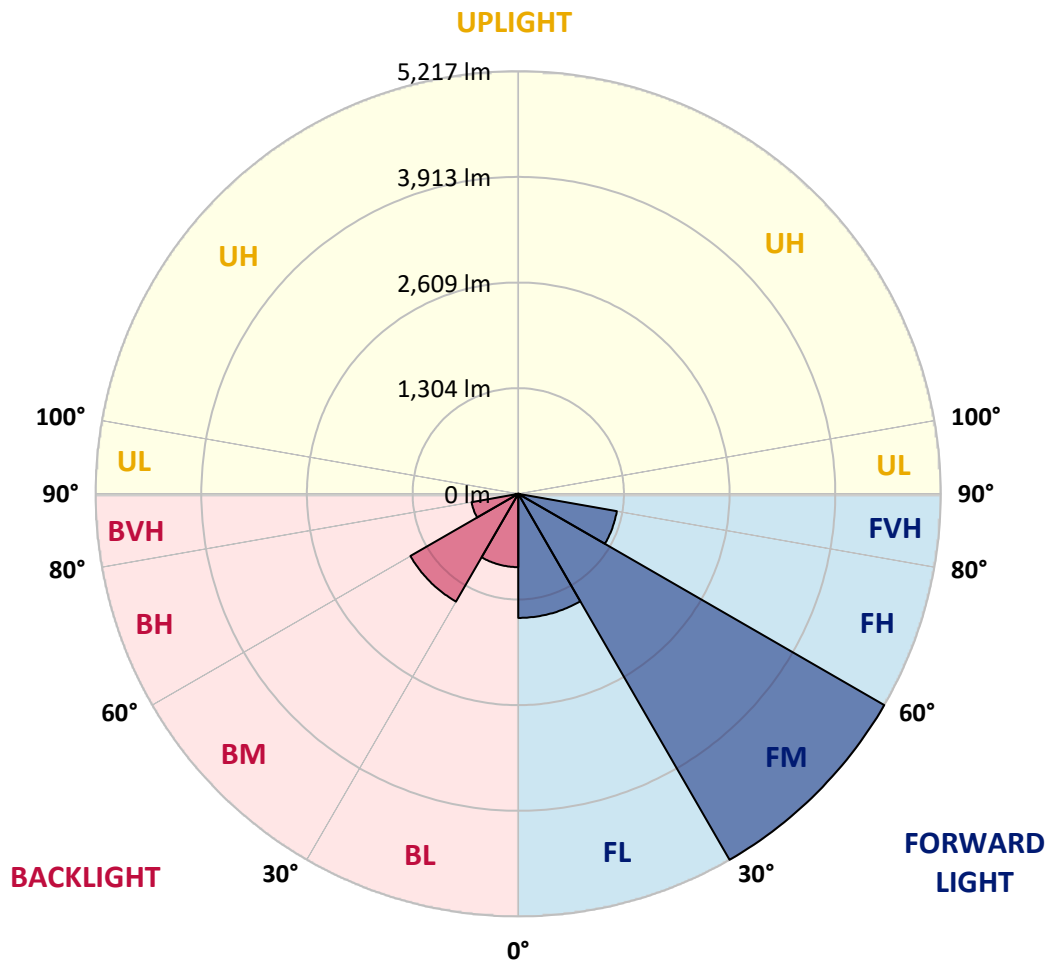
REPORT NUMBER: P653214
 CATALOG NUMBER: GLAN-SA2D-840-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1532.0	13.8			
FM (30°-60°)	5217.3	47.1			
FH (60°-80°)	1235.5	11.2			G1/1800
FVH (80°-90°)	21.4	0.2			G1/100
BL (0°-30°)	905.0	8.2	B2/1000		
BM (30°-60°)	1536.9	13.9	B2/2500		
BH (60°-80°)	585.0	5.3	B2/1000		G2/1000
BVH (80°-90°)	35.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P653214

CATALOG NUMBER: GLAN-SA2D-840-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4302.1	4302.1	4302.1	4302.1	4302.1	4302.1	4302.1	4302.1	4302.1	4302.1	4302.1
2.5°	4424.5	4407.4	4410.3	4433.1	4404.6	4393.2	4393.2	4337.7	4342.0	4303.6	4293.6
5°	4322.1	4282.2	4309.3	4343.4	4349.1	4360.5	4379.0	4364.8	4324.9	4283.6	4216.8
7.5°	4054.6	4090.2	4100.1	4124.3	4175.6	4222.5	4280.9	4241.0	4239.6	4198.3	4158.5
10°	3819.9	3798.5	3852.6	3888.2	3973.6	4051.8	4141.4	4137.1	4158.5	4111.5	4043.3
12.5°	3586.5	3569.5	3595.1	3676.2	3795.7	3909.5	4016.2	3976.3	4090.2	4081.6	3935.1
15°	3339.0	3351.8	3388.8	3464.2	3620.7	3757.3	3892.4	3893.8	3994.8	4029.0	3832.7
17.5°	3165.4	3151.2	3198.2	3310.6	3450.0	3613.6	3767.3	3798.5	3953.6	3973.6	3801.4
20°	3036.0	3055.9	3117.1	3174.0	3334.7	3532.5	3706.0	3717.5	3945.0	3999.1	3751.6
22.5°	3004.7	2993.3	3013.2	3105.7	3238.0	3452.8	3673.3	3716.0	3943.6	3990.6	3657.7
25°	2971.9	3008.9	3007.5	3100.0	3196.7	3388.8	3700.4	3747.3	4019.1	4034.7	3670.5
27.5°	3045.9	3041.6	3081.5	3088.7	3208.2	3405.9	3757.3	3792.8	4144.3	4131.4	3680.5
30°	3119.9	3098.6	3122.8	3206.7	3262.2	3504.0	3913.8	3910.9	4306.4	4297.9	3711.8
32.5°	3210.9	3201.0	3216.7	3290.7	3384.5	3634.9	4046.1	4130.0	4471.4	4525.5	3819.9
35°	3228.0	3269.3	3306.3	3405.9	3539.6	3846.9	4295.1	4364.8	4662.1	4831.4	4026.2
37.5°	3336.2	3351.8	3438.6	3615.0	3737.3	4130.0	4452.9	4497.1	4835.7	5027.8	4243.9
40°	3451.4	3469.9	3600.7	3785.8	3953.6	4315.0	4600.9	4615.2	4891.2	5178.5	4386.1
42.5°	3607.9	3625.0	3754.4	3986.3	4211.1	4472.9	4731.8	4747.4	4886.9	5352.1	4612.3
45°	3770.1	3811.3	3963.5	4226.8	4428.8	4657.8	4761.7	4825.7	4926.7	5507.2	4795.8
47.5°	3997.7	4036.1	4161.4	4418.8	4655.0	4820.0	4899.7	4962.3	5022.0	5642.4	4913.9
50°	4239.6	4246.7	4398.9	4632.2	4805.8	5003.5	5157.2	5178.5	5147.3	5798.8	5114.5
52.5°	4417.4	4440.1	4558.2	4785.9	5044.8	5288.0	5498.6	5521.4	5460.2	5857.1	5182.8
55°	4122.9	4110.1	4302.1	4605.2	5205.5	5712.0	6017.9	6035.0	5687.9	6037.8	5406.1
57.5°	3186.8	3247.9	3411.6	3777.2	4625.1	5899.8	6419.1	6358.0	5961.0	6128.9	5548.4
60°	2316.1	2301.9	2411.4	2656.1	3485.5	5084.6	6069.2	6131.7	5737.6	5524.3	4575.3
62.5°	1886.4	1866.5	1875.1	1883.6	2249.3	3374.6	4492.8	4491.4	4418.8	3970.7	3085.8
65°	1508.0	1555.0	1559.2	1623.3	1670.2	2016.0	2603.5	2742.9	2388.7	1959.0	1421.3
67.5°	1136.7	1119.6	1176.6	1404.2	1492.4	1455.4	1421.3	1436.9	1021.5	737.0	694.2
70°	670.1	663.0	731.2	978.8	1229.2	1156.6	1071.3	1072.7	701.4	515.0	573.3
72.5°	367.0	365.7	379.9	496.5	698.5	725.5	643.0	663.0	418.2	416.9	448.2
75°	204.9	200.6	196.3	219.1	251.8	266.0	271.7	274.6	287.4	321.5	334.3
77.5°	75.4	72.6	72.6	83.9	106.7	133.7	169.3	172.2	203.4	233.3	246.2
80°	25.6	28.4	38.4	52.6	71.1	95.3	115.2	118.1	143.7	163.6	167.9
82.5°	15.6	17.1	25.6	37.0	51.2	66.9	85.4	86.8	106.7	119.5	125.2
85°	7.1	8.5	14.2	22.8	32.7	44.1	45.5	45.5	44.1	45.5	42.6
87.5°	0.0	0.0	2.9	2.9	2.9	4.3	5.7	4.3	7.1	8.5	8.5
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: P653214

CATALOG NUMBER: GLAN-SA2D-840-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4302.1	4302.1	4302.1	4302.1	4302.1	4302.1	4302.1	4302.1	4302.1	4302.1	4302.1
2.5°	4263.8	4248.1	4199.7	4157.1	4144.3	4087.3	4003.4	4013.3	3952.2	3980.6	3950.8
5°	4205.4	4152.8	4029.0	3976.3	3838.4	3775.8	3733.1	3626.4	3576.6	3566.7	3524.0
7.5°	4056.1	4023.3	3868.3	3726.0	3579.5	3454.2	3293.5	3183.9	3105.7	3084.4	3021.8
10°	3938.0	3865.4	3650.6	3434.3	3225.2	3007.5	2798.4	2634.8	2555.1	2462.6	2431.3
12.5°	3821.3	3711.8	3421.5	3144.1	2873.8	2599.2	2346.0	2146.8	1973.2	1932.0	1917.7
15°	3748.8	3558.1	3216.7	2882.4	2498.2	2139.7	1886.4	1755.6	1648.9	1604.8	1636.1
17.5°	3653.4	3431.4	3020.4	2575.1	2152.5	1822.4	1610.4	1529.4	1490.9	1495.2	1482.4
20°	3533.9	3311.9	2762.9	2296.2	1843.8	1580.6	1459.6	1429.8	1435.5	1445.4	1441.1
22.5°	3448.5	3166.9	2576.5	2011.7	1593.4	1446.9	1397.1	1375.7	1394.2	1402.8	1395.6
25°	3383.1	3043.1	2350.3	1759.9	1448.3	1371.4	1348.7	1347.3	1375.7	1387.1	1380.0
27.5°	3323.4	2927.9	2125.5	1567.8	1351.6	1313.1	1306.0	1323.1	1341.6	1353.0	1362.9
30°	3287.8	2839.6	1915.0	1407.0	1303.1	1284.7	1271.8	1287.5	1297.5	1308.8	1303.1
32.5°	3322.0	2777.1	1711.4	1316.0	1263.4	1244.8	1261.9	1251.9	1269.0	1279.0	1263.4
35°	3428.7	2721.6	1566.4	1267.6	1217.8	1224.9	1227.8	1223.5	1230.6	1222.1	1240.6
37.5°	3533.9	2701.6	1432.6	1226.3	1196.5	1196.5	1193.6	1185.1	1199.4	1196.5	1205.0
40°	3667.7	2714.5	1318.9	1182.3	1176.6	1173.7	1162.3	1160.9	1155.2	1156.6	1159.5
42.5°	3784.3	2742.9	1253.3	1153.8	1158.1	1163.8	1142.4	1125.3	1132.4	1118.2	1118.2
45°	3908.0	2768.5	1195.1	1133.8	1129.6	1128.2	1111.1	1101.1	1095.5	1096.9	1109.7
47.5°	4103.0	2805.5	1150.9	1106.8	1109.7	1088.3	1084.0	1071.3	1077.0	1085.5	1086.9
50°	4241.0	2883.8	1116.8	1075.6	1085.5	1071.3	1045.7	1040.0	1040.0	1054.2	1051.3
52.5°	4337.7	2993.3	1084.0	1041.4	1045.7	1034.3	1025.8	1013.0	1004.4	1024.3	1034.3
55°	4633.7	3175.4	1075.6	1013.0	1011.6	1000.1	984.5	971.7	967.4	970.3	990.2
57.5°	4605.2	3118.5	1048.5	963.1	960.3	944.7	929.0	924.8	923.3	926.2	931.8
60°	3738.7	2303.3	936.1	906.3	902.0	899.1	883.5	866.4	857.9	866.4	859.3
62.5°	2474.1	1542.1	825.2	838.0	840.8	833.7	808.1	791.0	793.8	803.8	788.2
65°	1215.0	906.3	748.3	782.5	785.3	765.4	741.2	721.3	711.3	719.9	712.7
67.5°	694.2	692.8	685.8	721.3	719.9	700.0	661.5	644.5	627.4	630.2	626.0
70°	589.0	600.4	614.6	636.0	634.5	611.7	566.2	553.4	529.2	526.4	519.2
72.5°	463.8	483.7	515.0	530.7	517.9	489.4	459.5	438.2	416.9	404.0	408.3
75°	344.3	372.7	389.8	399.8	379.9	364.2	340.0	314.4	288.8	277.4	273.2
77.5°	250.4	258.9	274.6	281.7	268.9	253.2	239.0	213.4	189.2	173.6	169.3
80°	175.0	180.6	192.1	192.1	192.1	184.9	166.4	140.9	125.2	110.9	108.2
82.5°	122.4	128.0	139.4	133.7	132.3	123.8	112.4	92.5	75.4	65.4	62.6
85°	42.6	46.9	56.9	68.3	72.6	71.1	64.0	51.2	39.9	32.7	29.9
87.5°	9.9	9.9	11.4	9.9	9.9	11.4	9.9	9.9	9.9	7.1	5.7
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)