

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P633359

Luminaire Tested: GWS-SA2E-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-750-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12499.3 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

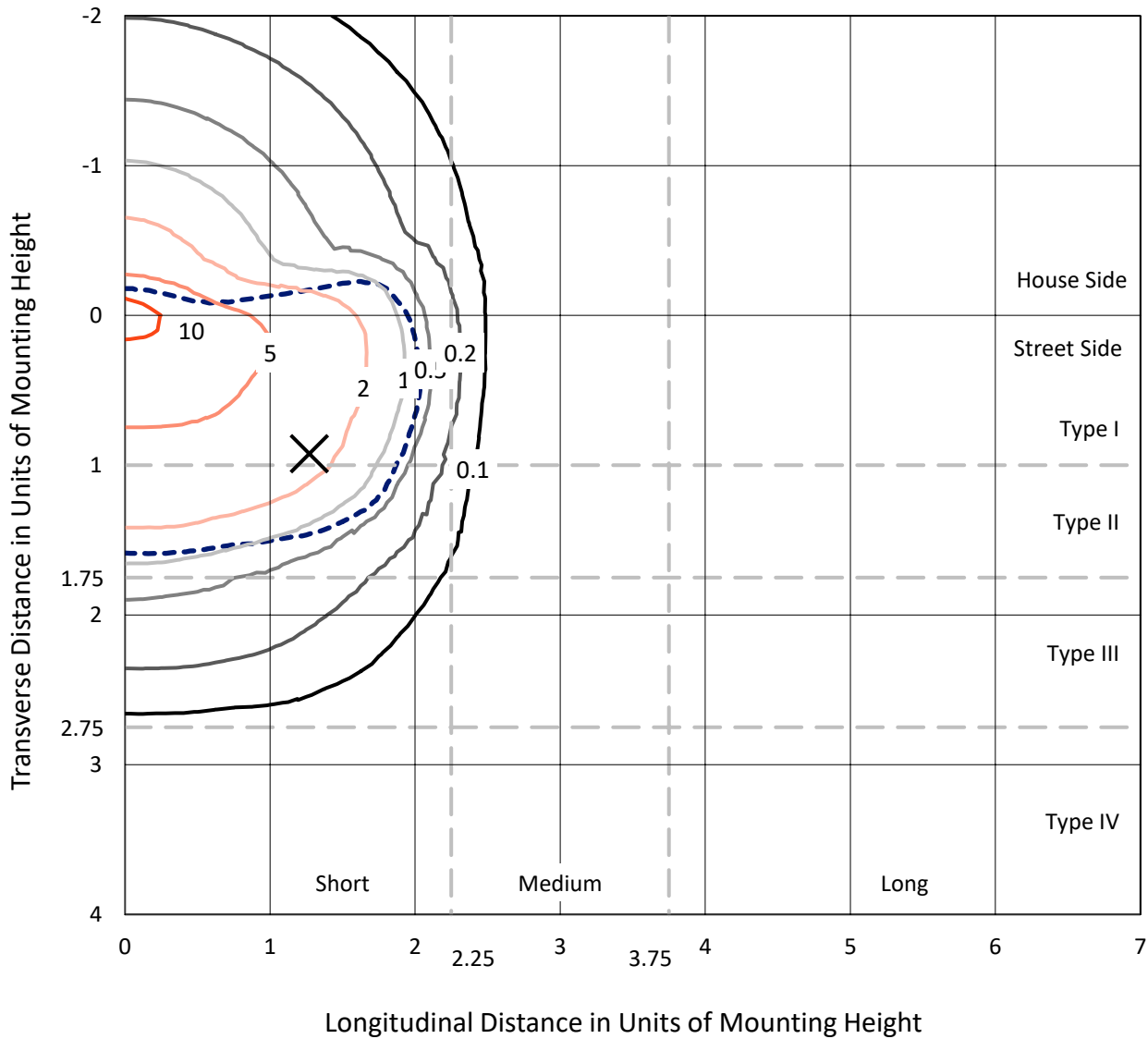


REPORT NUMBER: P633359

CATALOG NUMBER: GWS-SA2E-750-U-SL3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

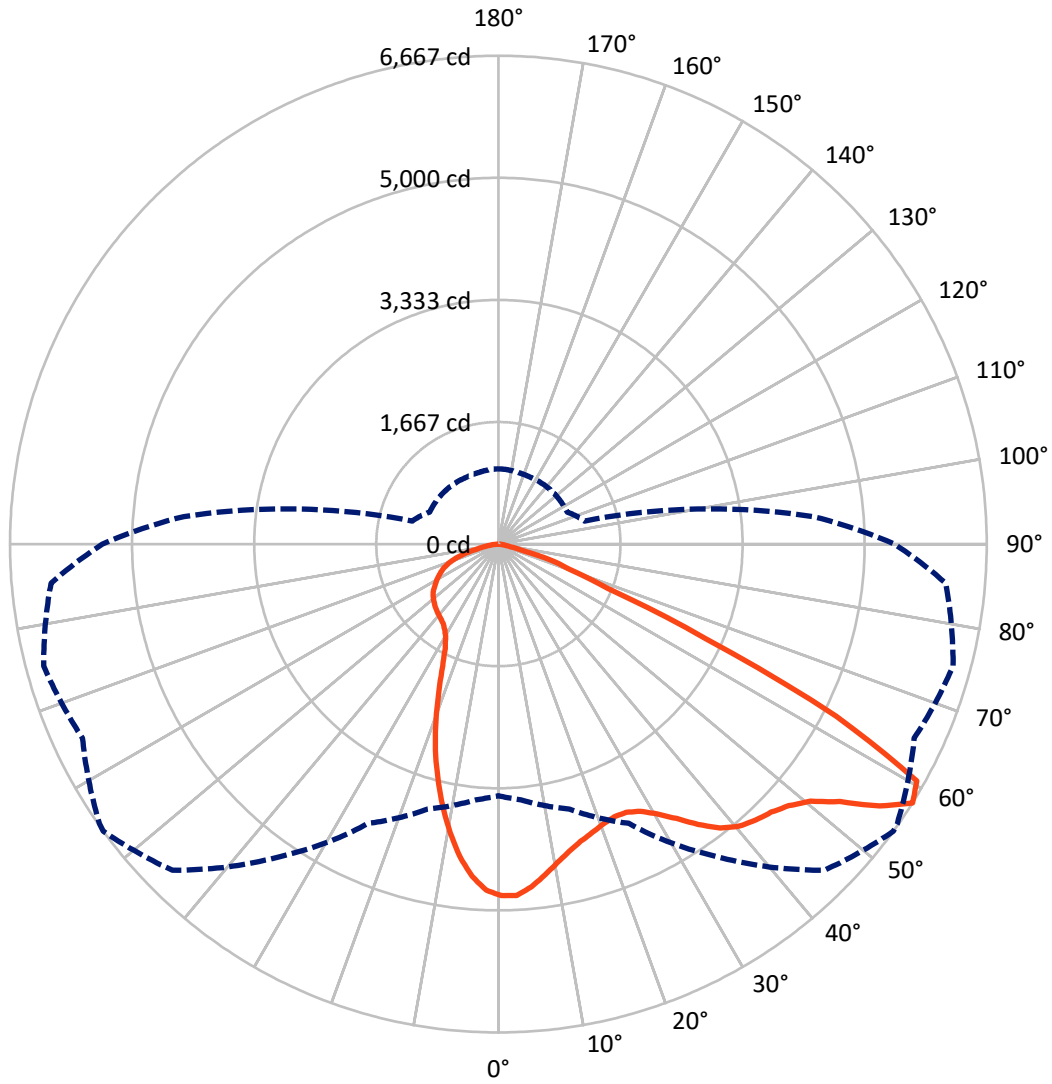
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12 fc
 Type II - Short - N/A

REPORT NUMBER: P633359
CATALOG NUMBER: GWS-SA2E-750-U-SL3-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633359

CATALOG NUMBER: GWS-SA2E-750-U-SL3-W-GRSWH

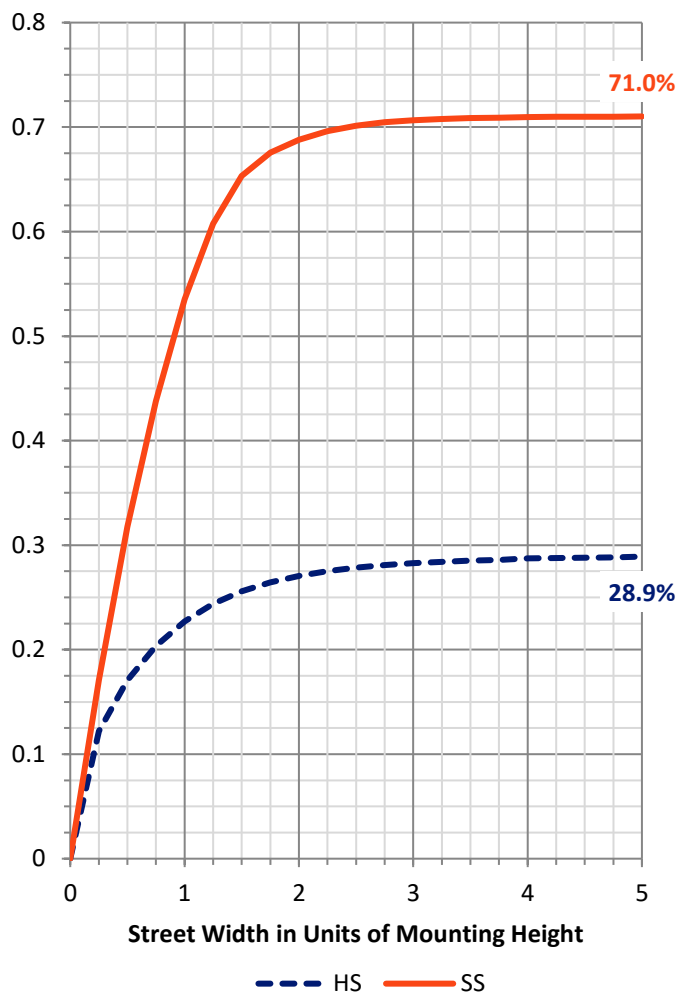
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3633.7	0.0	3633.7
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	8865.6	0.0	8865.6
	% Fixture	70.9	0.0	70.9
Total	Lumens	12499.3	0.0	12499.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.8	3.4
10°-20°	1006.5	8.1
20°-30°	1392.8	11.1
30°-40°	1935.3	15.5
40°-50°	2556.0	20.4
50°-60°	3037.4	24.3
60°-70°	1682.8	13.5
70°-80°	419.0	3.4
80°-90°	47.6	0.4
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°	12499.3	100.0
0°-180°	12499.3	100.0

Coefficient of Utilization



REPORT NUMBER: P633359

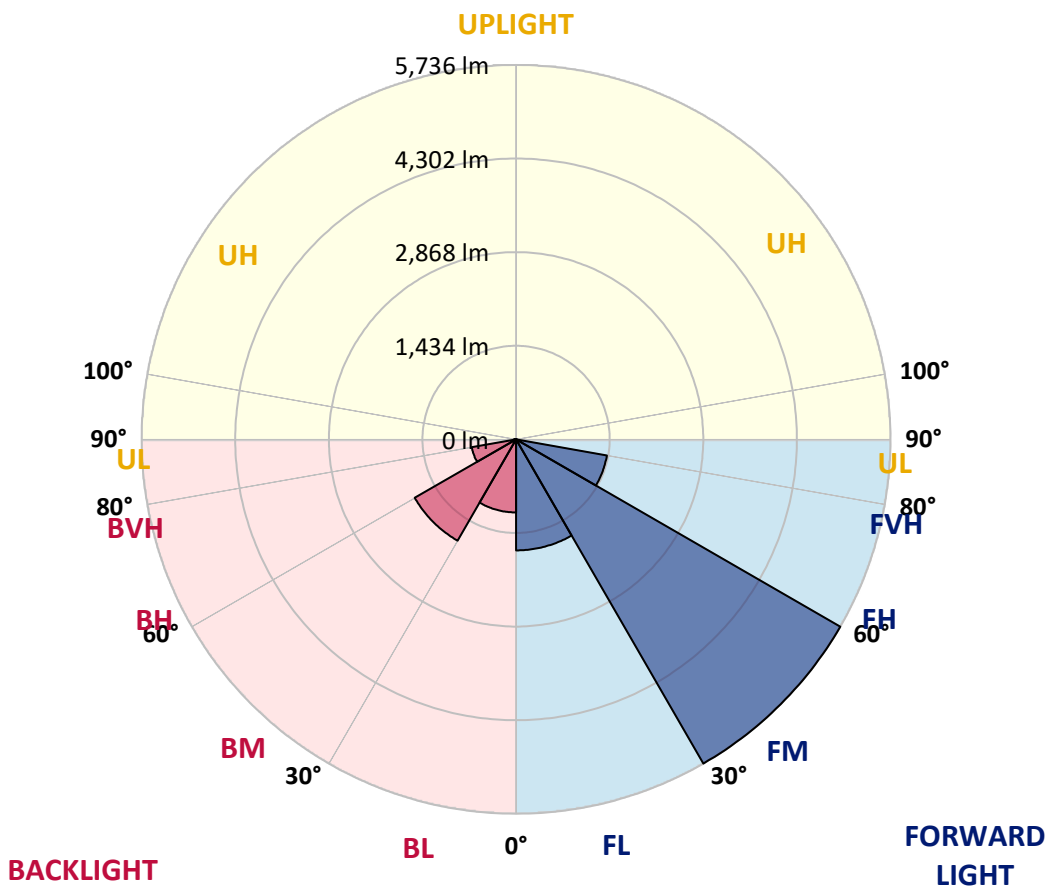
CATALOG NUMBER: GWS-SA2E-750-U-SL3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1701.4	13.6			
FM (30°-60°)	5736.1	45.9			
FH (60°-80°)	1413.2	11.3			G1/1800
FVH (80°-90°)	14.9	0.1			G1/100
BL (0°-30°)	1119.8	9.0	B3/2500		
BM (30°-60°)	1792.6	14.3	B2/2500		
BH (60°-80°)	688.6	5.5	B2/1000		G2/1000
BVH (80°-90°)	32.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P633359

CATALOG NUMBER: GWS-SA2E-750-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4798.8	4798.8	4798.8	4798.8	4798.8	4798.8	4798.8	4798.8	4798.8	4798.8	4798.8
2.5°	4708.9	4718.5	4724.9	4747.4	4766.7	4783.8	4802.0	4802.0	4800.9	4797.7	4791.3
5°	4522.7	4533.4	4548.4	4579.4	4621.2	4651.1	4700.3	4704.6	4726.0	4734.6	4730.3
7.5°	4306.6	4309.8	4329.1	4369.7	4436.0	4489.5	4560.2	4568.7	4620.1	4650.0	4644.7
10°	4070.1	4059.4	4093.7	4153.6	4240.2	4330.1	4421.1	4428.6	4510.9	4567.7	4563.4
12.5°	3854.0	3855.1	3889.3	3962.1	4070.1	4181.4	4303.4	4320.5	4422.1	4494.9	4487.4
15°	3673.2	3677.4	3719.2	3801.6	3924.6	4057.3	4209.2	4225.3	4353.7	4450.0	4428.6
17.5°	3528.7	3533.0	3569.4	3663.5	3795.1	3955.6	4140.7	4156.8	4316.2	4430.7	4386.8
20°	3429.2	3427.1	3462.4	3552.3	3688.1	3862.6	4080.8	4104.4	4304.4	4438.2	4359.0
22.5°	3388.6	3387.5	3413.2	3487.0	3614.3	3790.9	4044.4	4076.5	4317.3	4471.4	4341.9
25°	3408.9	3404.6	3427.1	3481.6	3583.3	3763.0	4055.1	4089.4	4371.9	4539.8	4345.1
27.5°	3472.0	3466.7	3485.9	3535.1	3612.2	3791.9	4130.0	4169.6	4487.4	4665.0	4387.9
30°	3568.3	3565.1	3584.4	3631.4	3698.8	3888.2	4273.4	4318.4	4666.1	4859.8	4481.0
32.5°	3680.7	3675.3	3709.5	3764.1	3842.2	4063.7	4466.0	4524.9	4877.9	5110.1	4637.2
35°	3806.9	3802.6	3849.7	3928.9	4041.2	4307.7	4699.3	4763.5	5094.1	5393.7	4844.8
37.5°	3930.0	3930.0	4020.9	4138.6	4279.8	4573.0	4918.6	4959.3	5243.9	5645.1	5067.3
40°	4039.1	4045.5	4182.5	4359.0	4538.8	4812.7	5063.0	5097.3	5310.2	5818.4	5261.0
42.5°	4160.0	4165.3	4324.8	4555.9	4769.9	5006.3	5150.8	5167.9	5323.0	5905.1	5397.9
45°	4256.3	4263.8	4461.7	4708.9	4971.0	5151.9	5220.3	5235.3	5341.2	5952.2	5497.4
47.5°	4306.6	4317.3	4544.1	4831.9	5106.9	5282.4	5334.8	5341.2	5416.1	6034.6	5617.3
50°	4298.0	4319.4	4575.1	4892.9	5207.5	5414.0	5518.8	5529.5	5569.1	6155.5	5757.4
52.5°	4374.0	4383.6	4641.5	4965.7	5350.9	5656.9	5838.8	5853.7	5835.6	6246.4	5840.9
55°	4247.7	4293.7	4559.1	4955.0	5569.1	6032.4	6312.8	6305.3	6077.4	6348.1	5980.0
57.5°	3435.6	3503.0	3745.9	4206.0	5209.6	6295.6	6666.9	6648.7	6264.6	6426.2	6130.9
60°	2378.5	2389.2	2608.6	2934.9	4020.9	5561.6	6563.1	6602.7	6298.8	6327.7	5851.6
62.5°	1902.4	1899.2	1919.5	1928.1	2557.2	3909.6	5180.7	5325.2	5233.2	4930.4	4147.2
65°	1624.2	1636.0	1695.9	1664.9	1669.1	2202.0	3095.4	3115.7	3051.5	2942.4	2193.4
67.5°	1271.1	1291.4	1397.4	1518.3	1479.8	1417.7	1606.0	1596.4	1258.3	973.7	804.6
70°	796.0	808.9	922.3	1191.9	1288.2	1164.1	1032.5	1028.2	674.1	554.2	607.7
72.5°	464.4	466.5	498.6	664.4	854.9	796.0	759.7	731.9	433.3	441.9	484.7
75°	255.7	255.7	254.7	286.7	337.0	298.5	288.9	281.4	290.0	328.5	360.6
77.5°	53.5	54.6	57.8	76.0	98.4	119.8	150.9	151.9	189.4	219.3	245.0
80°	24.6	25.7	32.1	40.7	52.4	69.5	92.0	93.1	114.5	138.0	155.1
82.5°	12.8	13.9	17.1	21.4	27.8	36.4	51.4	51.4	68.5	81.3	92.0
85°	4.3	4.3	6.4	8.6	11.8	15.0	20.3	20.3	30.0	39.6	46.0
87.5°	0.0	0.0	0.0	0.0	1.1	2.1	4.3	4.3	5.3	6.4	10.7
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: P633359

CATALOG NUMBER: GWS-SA2E-750-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4798.8	4798.8	4798.8	4798.8	4798.8	4798.8	4798.8	4798.8	4798.8	4798.8	4798.8
2.5°	4777.4	4744.2	4745.3	4751.7	4731.4	4700.3	4680.0	4654.3	4638.3	4635.1	4646.8
5°	4708.9	4670.4	4643.6	4615.8	4558.0	4489.5	4436.0	4392.2	4363.3	4352.6	4339.8
7.5°	4614.7	4564.4	4497.0	4418.9	4314.1	4192.1	4106.5	4026.3	3970.6	3954.6	3947.1
10°	4520.6	4447.8	4328.0	4182.5	4008.1	3843.3	3688.1	3569.4	3475.2	3421.7	3438.8
12.5°	4423.2	4333.3	4146.1	3922.5	3679.6	3431.4	3228.1	3031.2	2879.3	2803.3	2780.8
15°	4337.6	4215.6	3954.6	3651.8	3328.6	3016.2	2722.0	2426.7	2234.1	2129.2	2100.3
17.5°	4264.9	4106.5	3752.3	3375.7	2989.5	2544.4	2182.7	1908.8	1777.2	1719.4	1715.1
20°	4193.2	3999.5	3552.3	3078.3	2597.9	2099.3	1776.1	1647.7	1600.7	1580.3	1579.3
22.5°	4129.0	3887.2	3341.5	2780.8	2208.4	1764.4	1586.7	1531.1	1518.3	1518.3	1516.1
25°	4074.4	3774.8	3125.3	2465.2	1856.4	1570.7	1488.3	1464.8	1470.1	1479.8	1480.8
27.5°	4051.9	3687.1	2916.7	2141.0	1613.5	1458.4	1420.9	1417.7	1432.7	1447.7	1449.8
30°	4075.5	3627.2	2702.7	1830.7	1468.0	1389.9	1372.8	1379.2	1397.4	1412.3	1412.3
32.5°	4148.2	3597.2	2484.4	1603.9	1383.5	1341.7	1336.4	1342.8	1356.7	1365.3	1366.3
35°	4271.3	3609.0	2258.7	1450.9	1328.9	1306.4	1305.3	1309.6	1315.0	1320.3	1321.4
37.5°	4426.4	3661.4	2016.9	1362.1	1293.6	1280.7	1278.6	1277.5	1278.6	1278.6	1279.7
40°	4578.4	3740.6	1800.7	1309.6	1269.0	1258.3	1252.9	1245.4	1244.4	1242.2	1241.2
42.5°	4690.7	3801.6	1628.5	1272.2	1246.5	1233.7	1227.2	1215.5	1214.4	1213.3	1212.3
45°	4775.2	3852.9	1485.1	1235.8	1223.0	1211.2	1197.3	1186.6	1188.7	1190.9	1190.9
47.5°	4870.5	3897.9	1380.2	1201.6	1194.1	1182.3	1165.2	1157.7	1165.2	1172.7	1172.7
50°	4986.0	3961.0	1294.7	1167.3	1164.1	1150.2	1135.2	1132.0	1140.6	1151.3	1151.3
52.5°	5070.5	4015.6	1233.7	1133.1	1133.1	1114.9	1102.1	1101.0	1110.6	1121.3	1122.4
55°	5228.9	4142.9	1212.3	1093.5	1089.2	1075.3	1065.7	1058.2	1070.0	1079.6	1079.6
57.5°	5407.6	4311.9	1217.6	1036.8	1031.4	1027.2	1019.7	1011.1	1014.3	1025.0	1026.1
60°	5028.8	3984.5	1158.8	980.1	976.9	974.7	965.1	950.1	954.4	963.0	964.0
62.5°	3512.7	2648.1	937.3	909.5	920.2	919.1	906.3	889.1	890.2	902.0	902.0
65°	1823.2	1432.7	822.8	845.3	861.3	854.9	833.5	818.5	816.4	831.4	828.1
67.5°	786.4	782.1	749.0	777.9	795.0	781.1	758.6	734.0	736.1	741.5	737.2
70°	633.4	652.7	666.6	697.6	711.5	685.8	661.2	647.3	635.6	634.5	627.0
72.5°	506.1	532.8	563.9	596.0	600.2	574.6	543.5	530.7	512.5	511.4	504.0
75°	380.9	403.4	428.0	453.7	453.7	429.1	408.7	402.3	380.9	374.5	368.1
77.5°	260.0	273.9	293.2	299.6	306.0	296.4	276.0	265.3	240.7	234.3	225.8
80°	163.7	173.3	185.1	189.4	195.8	184.0	168.0	156.2	139.1	133.7	129.5
82.5°	98.4	104.9	112.3	114.5	119.8	111.3	96.3	87.7	78.1	73.8	70.6
85°	50.3	53.5	57.8	58.8	57.8	49.2	43.9	39.6	33.2	32.1	30.0
87.5°	12.8	15.0	16.0	15.0	13.9	10.7	7.5	5.3	2.1	2.1	1.1
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)