

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: P642624

Luminaire Tested: GWS-SA6D-730-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32642 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 245.7
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

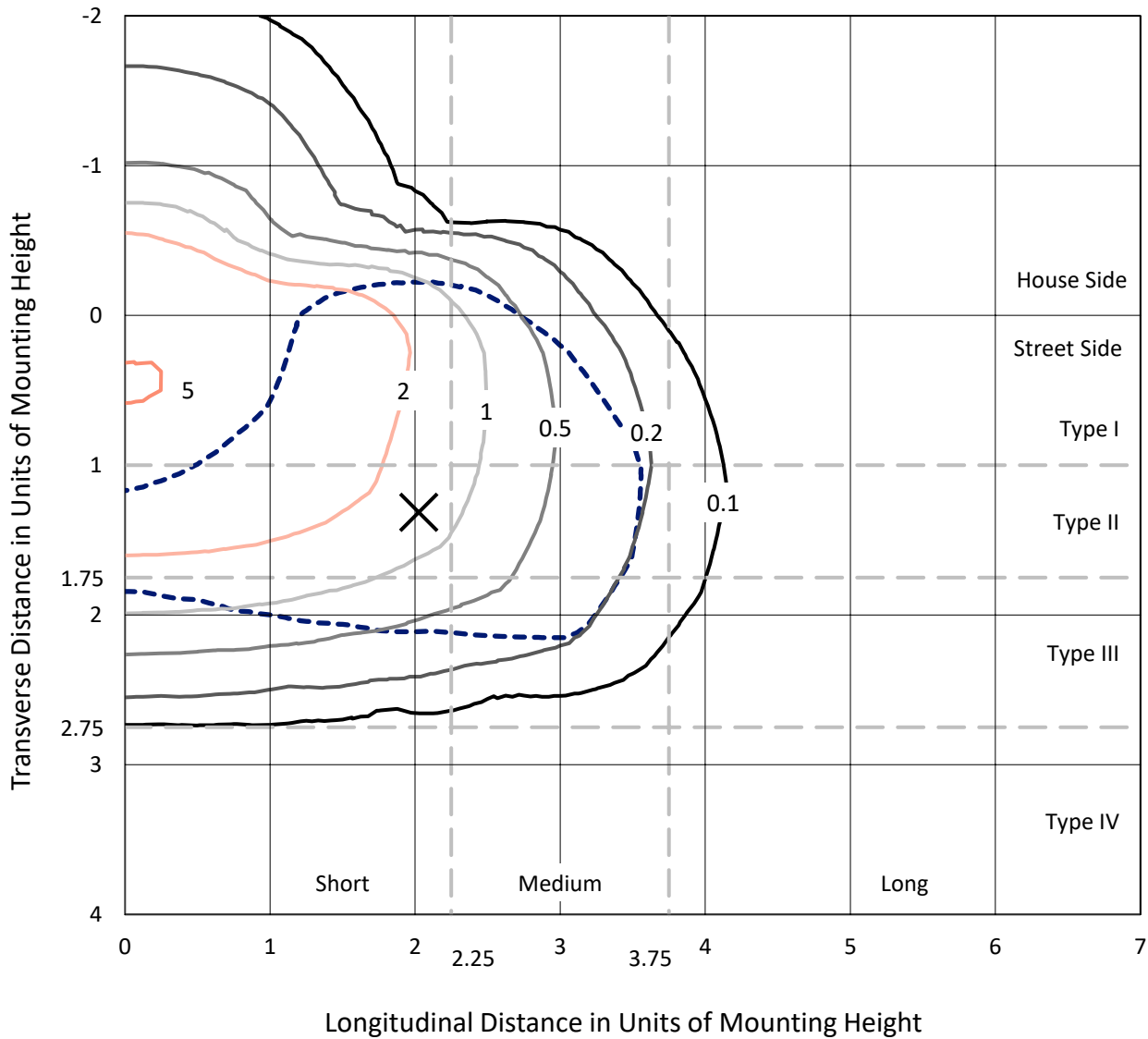


REPORT NUMBER: P642624

CATALOG NUMBER: GWS-SA6D-730-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

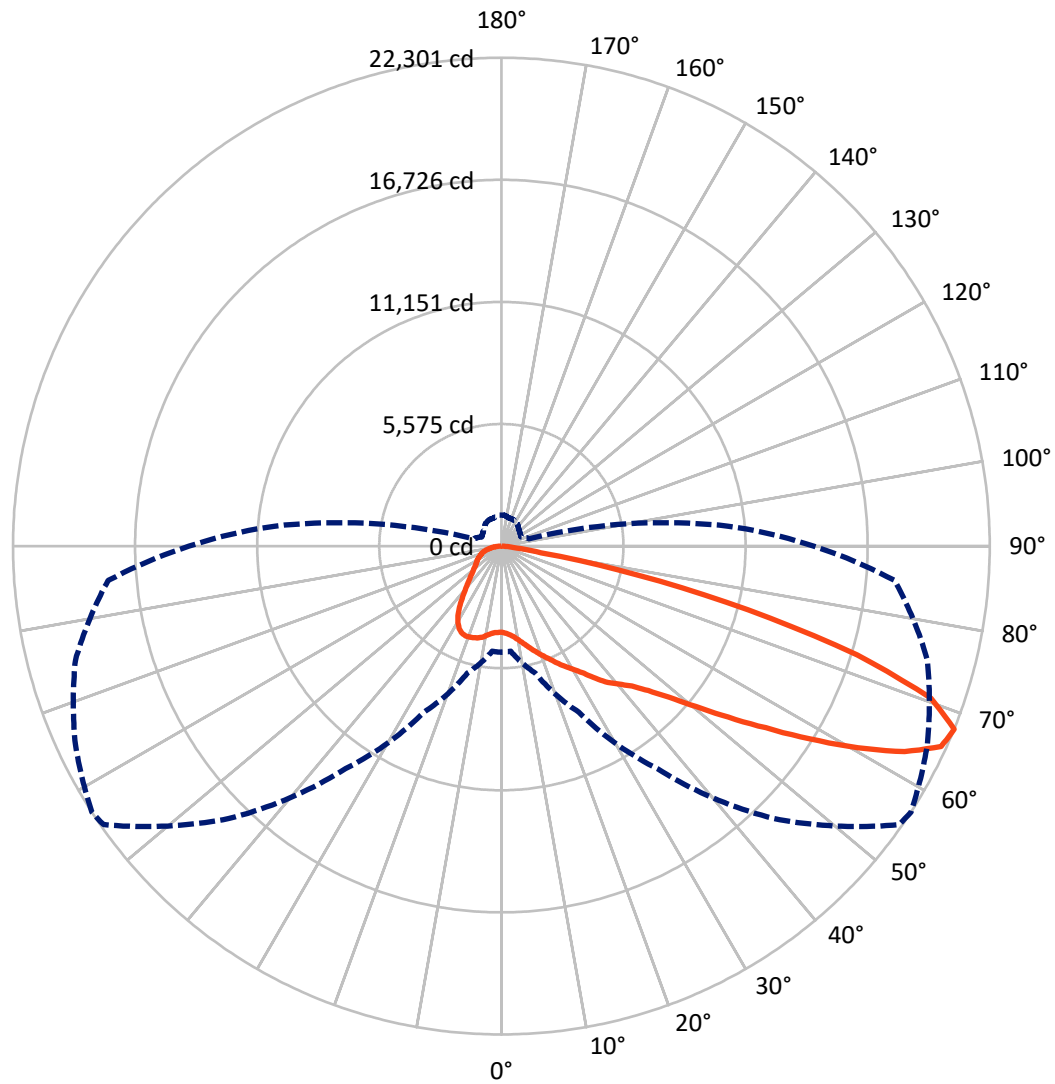
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

REPORT NUMBER: P642624
CATALOG NUMBER: GWS-SA6D-730-U-T3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P642624

CATALOG NUMBER: GWS-SA6D-730-U-T3-W

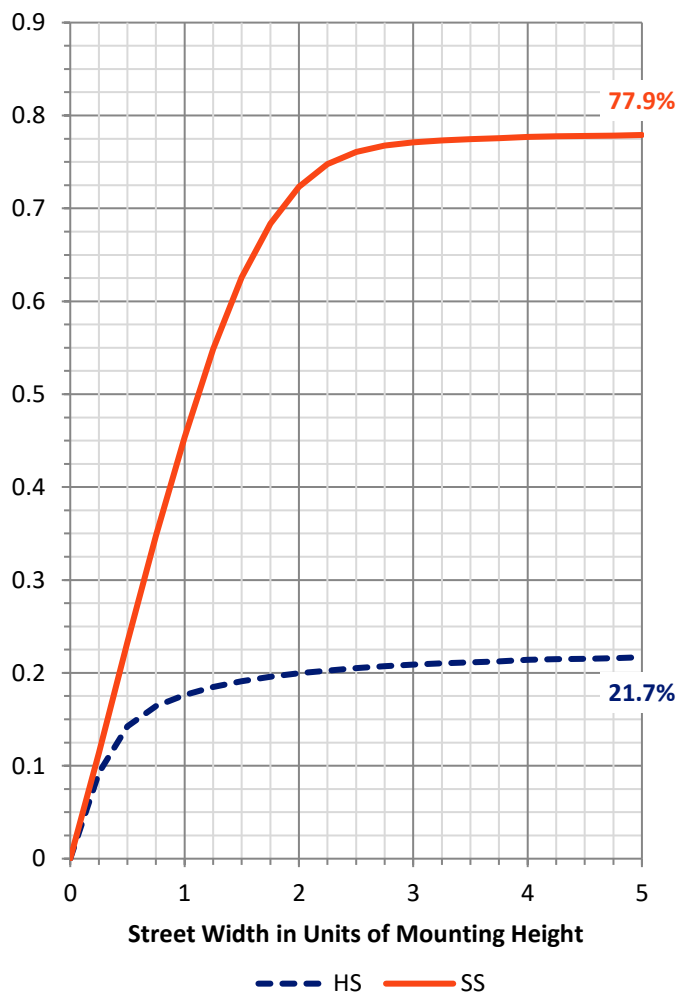
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7176.7	0.0	7176.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	25465.3	0.0	25465.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	32642.0	0.0	32642.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.1	1.2
10°-20°	1291.4	4.0
20°-30°	2302.3	7.1
30°-40°	3347.2	10.3
40°-50°	4844.6	14.8
50°-60°	7581.6	23.2
60°-70°	8844.4	27.1
70°-80°	3692.0	11.3
80°-90°	348.4	1.1
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°	32642.0	100.0
0°-180°	32642.0	100.0

Coefficient of Utilization



REPORT NUMBER: P642624

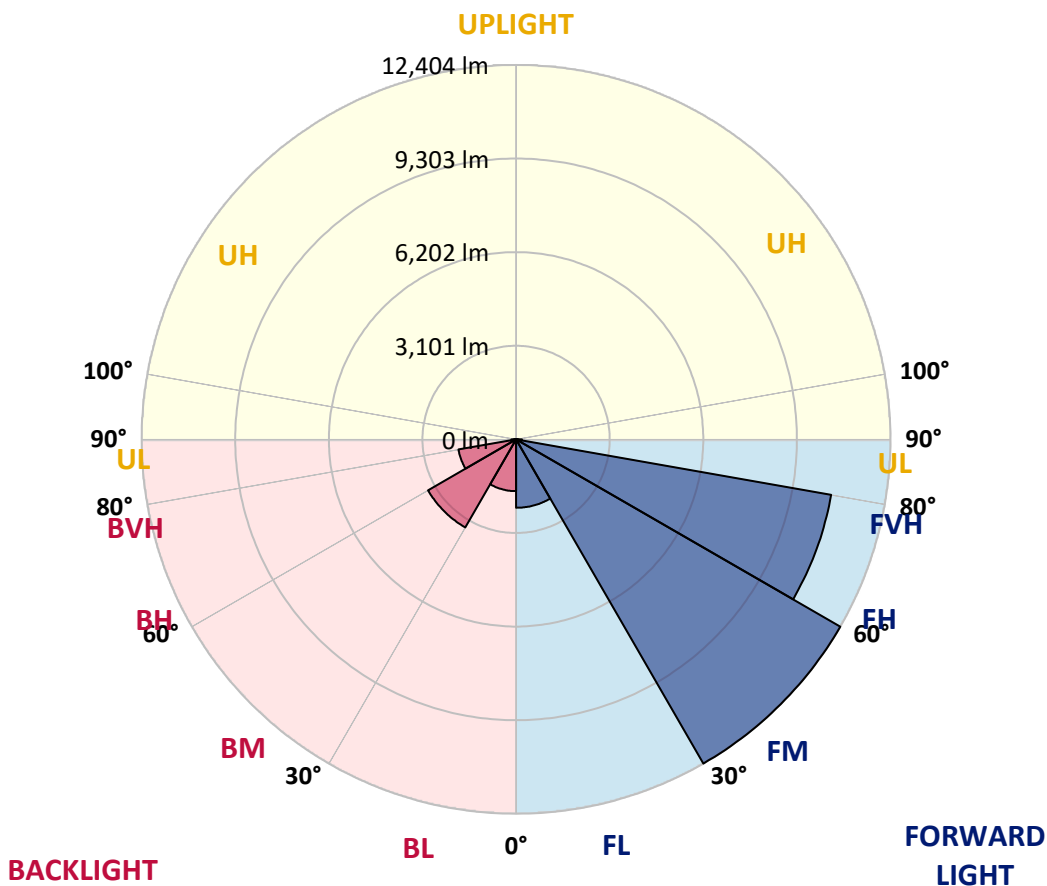
CATALOG NUMBER: GWS-SA6D-730-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2267.3	6.9			
FM (30°-60°)	12404.4	38.0			
FH (60°-80°)	10599.4	32.5			G4/12000
FVH (80°-90°)	194.1	0.6			G2/225
BL (0°-30°)	1716.5	5.3	B3/2500		
BM (30°-60°)	3369.0	10.3	B3/5000		
BH (60°-80°)	1937.0	5.9	B3/2500		G3/2500
BVH (80°-90°)	154.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





REPORT NUMBER: P642624
 CATALOG NUMBER: GWS-SA6D-730-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3933.1	3933.1	3933.1	3933.1	3933.1	3933.1	3933.1	3933.1	3933.1	3933.1	3933.1
2.5°	3989.3	3984.6	3982.2	3996.3	3991.6	3989.3	3989.3	3986.9	3982.2	3963.5	3937.8
5°	4099.2	4089.8	4080.5	4092.1	4082.8	4073.4	4071.1	4066.4	4050.1	4022.0	3982.2
7.5°	4213.7	4204.4	4206.7	4213.7	4206.7	4202.1	4195.0	4190.4	4164.6	4120.2	4066.4
10°	4375.1	4375.1	4379.8	4386.8	4389.1	4382.1	4368.1	4361.1	4330.7	4274.5	4199.7
12.5°	4608.9	4604.3	4604.3	4599.6	4606.6	4599.6	4585.5	4573.9	4536.4	4463.9	4356.4
15°	4917.6	4898.9	4882.5	4852.1	4842.8	4817.0	4821.7	4814.7	4779.6	4681.4	4545.8
17.5°	5247.3	5245.0	5219.2	5158.4	5097.6	5055.6	5064.9	5062.6	5043.9	4910.6	4737.5
20°	5537.3	5549.0	5525.6	5478.8	5397.0	5317.5	5312.8	5324.5	5301.1	5167.8	4926.9
22.5°	5862.3	5852.9	5829.6	5768.8	5708.0	5623.8	5595.7	5586.4	5577.0	5425.0	5121.0
25°	6171.0	6199.0	6168.6	6112.5	6019.0	5927.8	5904.4	5913.7	5888.0	5686.9	5329.1
27.5°	6561.5	6573.2	6554.5	6477.3	6397.8	6269.2	6224.7	6224.7	6215.4	5932.4	5492.8
30°	6977.7	7010.4	6977.7	6914.6	6832.7	6648.0	6552.1	6542.8	6514.7	6185.0	5684.6
32.5°	7396.3	7419.6	7396.3	7335.5	7241.9	7080.6	6942.6	6921.6	6884.2	6460.9	5881.0
35°	7768.1	7789.1	7784.4	7798.5	7721.3	7517.9	7433.7	7424.3	7326.1	6821.0	6147.6
37.5°	8174.9	8200.7	8165.6	8193.6	8163.3	7971.5	7945.8	7899.0	7758.7	7160.1	6428.2
40°	8637.9	8661.3	8605.2	8616.9	8581.8	8474.3	8343.3	8280.2	8072.1	7527.2	6870.1
42.5°	9133.7	9187.5	9213.2	9192.1	9110.3	9049.5	8820.3	8740.8	8567.8	8189.0	7597.4
45°	9851.6	9931.1	9968.5	9914.7	9879.6	9793.1	9512.5	9416.6	9325.4	9122.0	8612.2
47.5°	10625.6	10698.0	10817.3	10840.7	10868.7	10803.3	10408.1	10314.6	10330.9	10307.5	9860.9
50°	11242.9	11303.7	11572.6	11860.2	12098.7	12117.4	11612.3	11511.8	11600.7	11675.5	11364.5
52.5°	11691.9	11745.6	12101.1	12695.0	13235.2	13635.0	13090.2	12975.6	13048.1	13216.5	13073.8
55°	12056.6	12131.5	12503.3	13415.2	14507.2	15138.6	14790.2	14645.2	14614.8	14822.9	14904.8
57.5°	12248.4	12271.8	12793.2	13978.8	15440.3	16614.1	16766.1	16602.4	16312.5	16427.1	16852.6
60°	11811.1	11850.9	12564.1	14123.8	16176.8	18077.9	18840.2	18704.6	18087.3	18150.4	18620.4
62.5°	10602.2	10658.3	11516.5	13433.9	16237.6	19055.4	20755.4	20668.9	19841.1	19499.7	19640.0
65°	8504.7	8523.4	9411.9	11726.9	15028.7	19177.0	22090.6	22069.5	21066.4	20266.7	19665.7
67.5°	4849.8	4817.0	6004.9	8364.4	12402.7	17596.2	22177.1	22301.0	21463.9	20140.4	18028.8
70°	2102.2	2106.9	2654.1	4127.2	8027.6	14222.0	20598.7	20811.5	20313.4	18038.2	14343.6
72.5°	972.8	986.8	1223.0	1786.5	3428.1	8822.7	16796.5	16988.3	16560.3	14437.1	10436.1
75°	687.5	699.2	816.1	1024.2	1576.1	3437.4	11235.9	11638.1	11846.2	10798.6	6877.1
77.5°	521.5	537.8	596.3	710.9	972.8	1218.3	5375.9	6334.6	7545.9	6718.1	3542.6
80°	332.0	332.0	395.2	474.7	593.9	633.7	1552.7	1840.3	3692.3	2768.6	1391.3
82.5°	224.5	231.5	268.9	301.6	341.4	360.1	666.4	710.9	1066.3	942.4	572.9
85°	119.3	123.9	140.3	138.0	163.7	142.6	280.6	278.3	390.5	427.9	217.5
87.5°	0.0	0.0	2.3	2.3	4.7	7.0	30.4	32.7	81.8	130.9	72.5
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: P642624
 CATALOG NUMBER: GWS-SA6D-730-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3933.1	3933.1	3933.1	3933.1	3933.1	3933.1	3933.1	3933.1	3933.1	3933.1	3933.1
2.5°	3951.8	3923.8	3937.8	3933.1	3947.2	3947.2	3921.4	3914.4	3916.8	3888.7	3879.4
5°	3986.9	3954.2	3961.2	3951.8	3965.9	3977.6	3965.9	3965.9	3979.9	3958.9	3947.2
7.5°	4066.4	4029.0	4029.0	4017.3	4033.7	4043.0	4033.7	4047.7	4073.4	4052.4	4040.7
10°	4192.7	4148.3	4150.6	4136.6	4143.6	4138.9	4101.5	4089.8	4096.8	4078.1	4068.8
12.5°	4356.4	4295.6	4295.6	4267.5	4251.2	4202.1	4124.9	4096.8	4101.5	4085.1	4078.1
15°	4513.1	4456.9	4445.2	4389.1	4314.3	4223.1	4152.9	4134.2	4138.9	4122.5	4110.9
17.5°	4697.8	4625.3	4583.2	4480.3	4342.4	4248.8	4178.7	4134.2	4096.8	4059.4	4050.1
20°	4868.5	4777.3	4700.1	4541.1	4372.8	4244.1	4113.2	4003.3	3912.1	3863.0	3851.3
22.5°	5043.9	4926.9	4791.3	4583.2	4370.4	4160.0	3919.1	3753.1	3617.5	3545.0	3559.0
25°	5209.9	5062.6	4877.8	4623.0	4295.6	3972.9	3645.5	3397.7	3243.3	3187.2	3170.8
27.5°	5347.9	5165.5	4957.3	4604.3	4141.3	3704.0	3271.4	2995.5	2845.8	2782.7	2766.3
30°	5502.2	5296.4	5071.9	4517.7	3898.1	3327.5	2848.1	2623.7	2516.1	2455.3	2457.6
32.5°	5679.9	5464.8	5233.3	4351.7	3587.1	2920.6	2499.7	2345.4	2258.9	2198.1	2188.7
35°	5918.4	5705.6	5340.8	4101.5	3191.9	2546.5	2261.2	2134.9	2027.4	1947.9	1931.5
37.5°	6213.0	6068.1	5352.5	3767.1	2768.6	2289.3	2090.5	1954.9	1823.9	1718.7	1707.0
40°	6718.1	6552.1	5256.7	3348.5	2408.5	2123.2	1947.9	1791.2	1639.2	1522.3	1505.9
42.5°	7438.4	7097.0	5050.9	2876.2	2137.3	1992.3	1812.2	1613.5	1459.1	1377.3	1365.6
45°	8355.0	7704.9	4742.2	2431.9	1936.2	1863.7	1669.6	1461.5	1379.6	1321.2	1309.5
47.5°	9477.4	8413.5	4386.8	2085.8	1779.5	1746.8	1524.6	1410.0	1337.5	1288.4	1276.8
50°	10819.6	9316.1	4094.5	1814.6	1639.2	1611.1	1477.8	1379.6	1321.2	1281.4	1272.1
52.5°	12351.3	10319.2	3951.8	1620.5	1517.6	1489.5	1461.5	1372.6	1323.5	1293.1	1281.4
55°	13941.4	11376.2	3818.6	1470.8	1414.7	1431.1	1463.8	1396.0	1358.6	1318.8	1307.1
57.5°	15477.7	12367.6	3491.2	1353.9	1339.9	1403.0	1475.5	1419.4	1375.0	1335.2	1321.2
60°	16537.0	12910.1	2937.0	1260.4	1283.8	1367.9	1445.1	1384.3	1328.2	1311.8	1304.8
62.5°	16822.2	12844.7	2279.9	1164.5	1216.0	1290.8	1365.6	1325.9	1267.4	1293.1	1295.5
65°	16155.8	12143.2	1711.7	1071.0	1127.1	1190.2	1283.8	1267.4	1246.4	1316.5	1318.8
67.5°	14268.7	10419.8	1304.8	989.1	1035.9	1113.1	1258.0	1325.9	1330.5	1419.4	1410.0
70°	10796.3	7784.4	1021.9	912.0	965.7	1113.1	1339.9	1370.3	1314.2	1396.0	1377.3
72.5°	7464.1	5137.4	869.9	844.2	879.2	1061.6	1337.5	1337.5	1276.8	1276.8	1241.7
75°	4637.0	3021.2	757.6	757.6	757.6	928.3	1300.1	1232.3	1124.8	1075.7	1047.6
77.5°	2289.3	1468.5	636.0	659.4	633.7	776.3	1061.6	1007.8	942.4	890.9	872.2
80°	977.4	734.2	514.4	540.2	509.8	584.6	841.8	830.1	767.0	699.2	678.1
82.5°	449.0	378.8	411.6	423.2	371.8	439.6	615.0	615.0	579.9	486.4	451.3
85°	191.7	201.1	285.3	285.3	233.8	247.9	329.7	313.3	280.6	229.2	210.5
87.5°	65.5	98.2	145.0	126.3	49.1	21.0	11.7	4.7	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)