

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: P635910

Luminaire Tested: GWS-SA3E-760-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-760-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22623.8 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

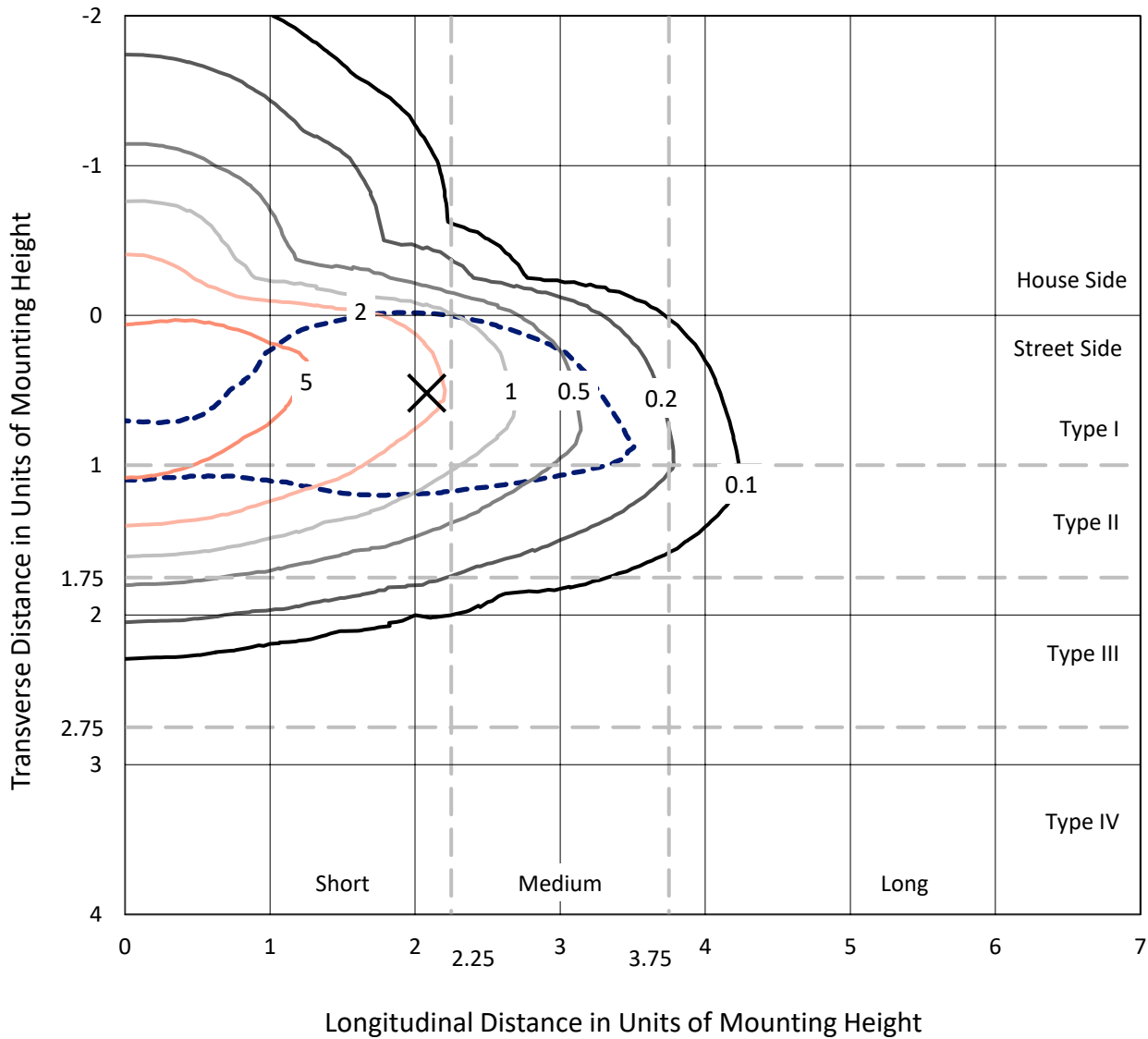
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

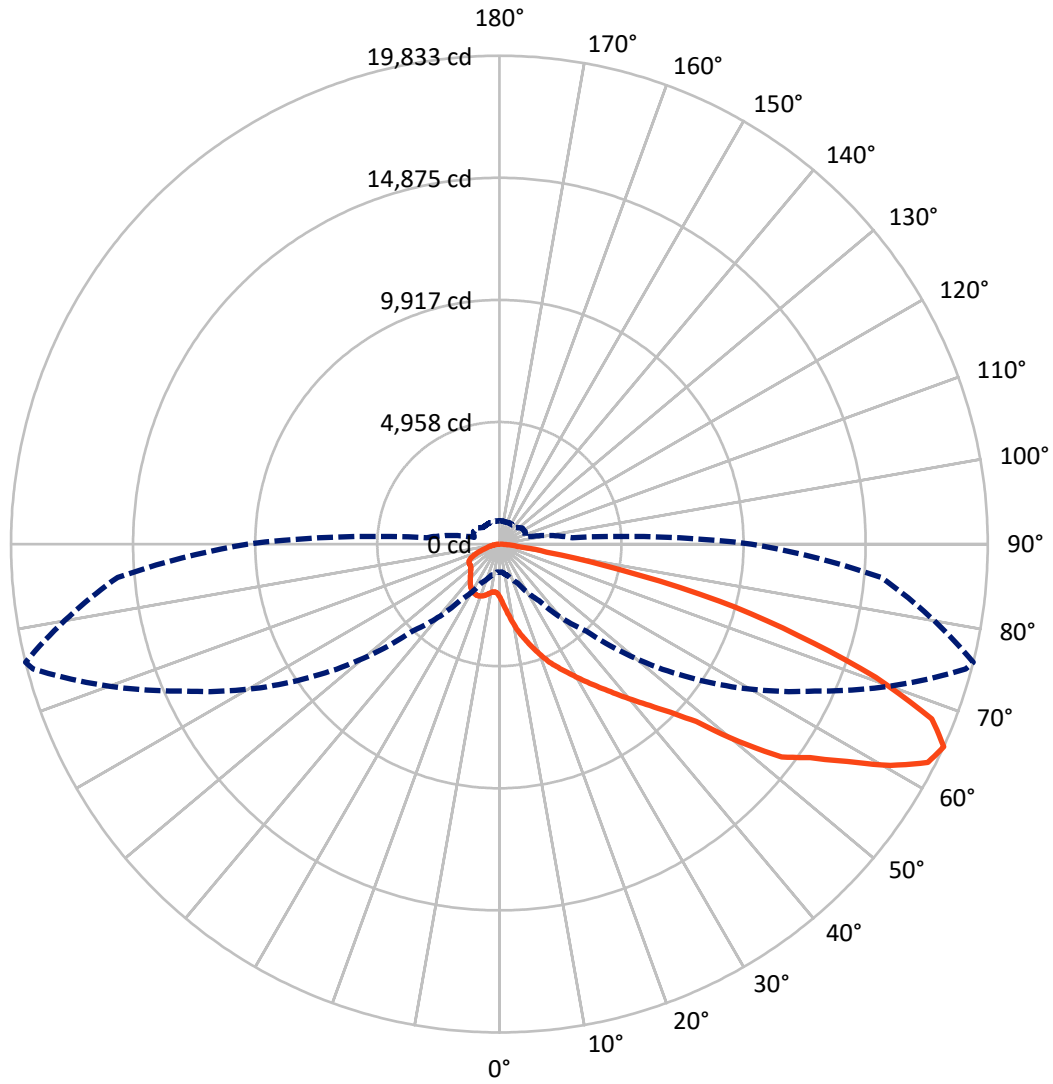
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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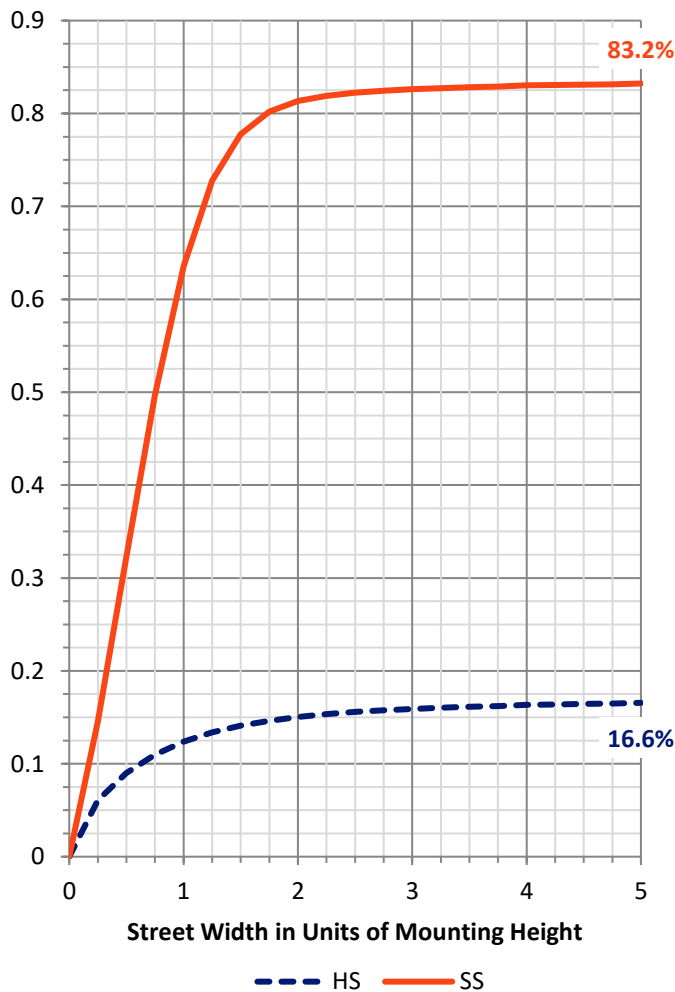
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3781.6	0.0	3781.6
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	18842.2	0.0	18842.2
	% Fixture	83.3	0.0	83.3
Total	Lumens	22623.8	0.0	22623.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.5	1.1
10°-20°	969.5	4.3
20°-30°	1889.4	8.4
30°-40°	3159.8	14.0
40°-50°	4524.3	20.0
50°-60°	5356.1	23.7
60°-70°	4453.6	19.7
70°-80°	1822.5	8.1
80°-90°	194.0	0.9
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°	22623.8	100.0
0°-180°	22623.8	100.0

Coefficient of Utilization



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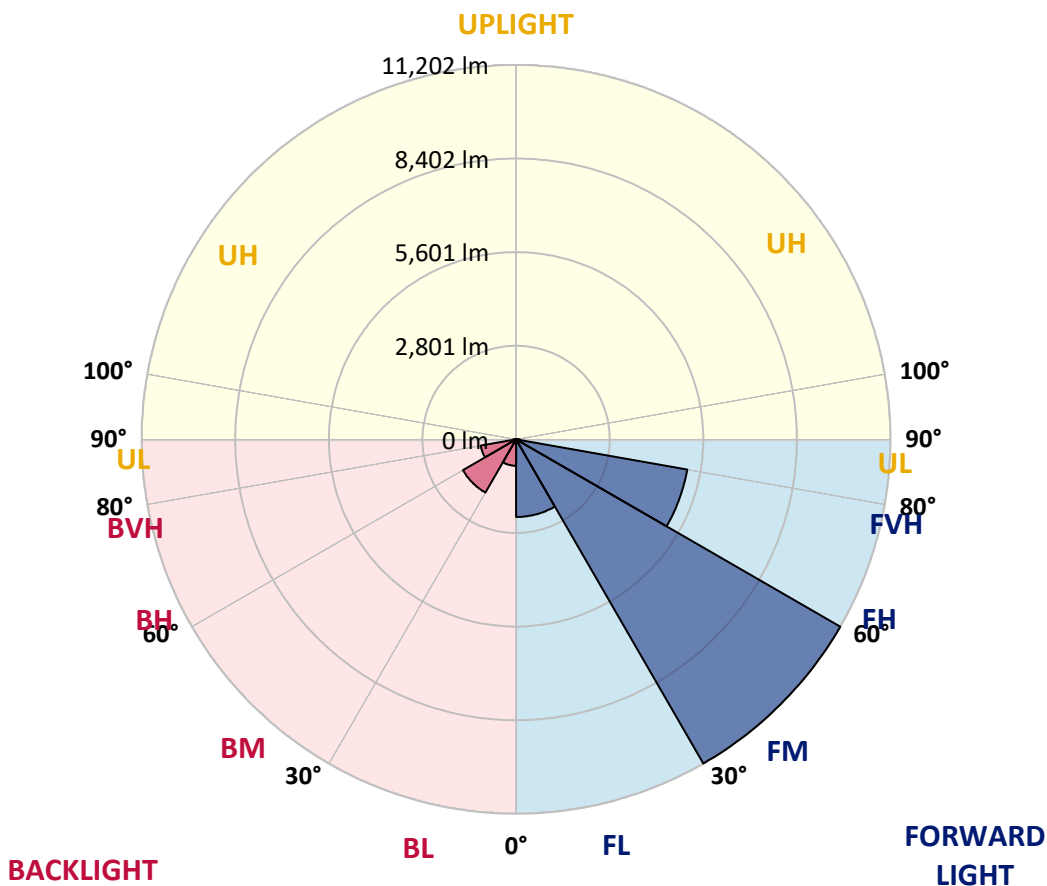
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2322.2	10.3			
FM (30°-60°)	11202.5	49.5			
FH (60°-80°)	5201.8	23.0			G3/7500
FVH (80°-90°)	115.7	0.5			G2/225
BL (0°-30°)	791.1	3.5	B2/1000		
BM (30°-60°)	1837.8	8.1	B2/2500		
BH (60°-80°)	1074.4	4.7	B3/2500		G3/2500
BVH (80°-90°)	78.3	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2142.4	2142.4	2142.4	2142.4	2142.4	2142.4	2142.4	2142.4	2142.4	2142.4	2142.4
2.5°	3002.8	3014.0	2977.4	2964.7	2878.8	2762.7	2665.7	2519.3	2384.1	2363.5	2242.6
5°	3814.0	3766.3	3724.9	3697.9	3578.6	3446.6	3241.4	2966.3	2678.4	2643.4	2382.6
7.5°	4295.9	4288.0	4237.1	4221.2	4128.9	3996.9	3785.4	3443.4	3025.1	2967.9	2571.8
10°	4682.4	4677.6	4652.2	4666.5	4582.2	4453.4	4248.2	3895.1	3405.2	3348.0	2783.4
12.5°	5019.6	5027.5	5022.8	5075.3	5032.3	4932.1	4719.0	4330.9	3785.4	3723.3	3041.0
15°	5266.1	5272.5	5296.3	5410.8	5434.7	5414.0	5197.7	4758.7	4160.7	4071.7	3306.6
17.5°	5336.1	5348.8	5406.1	5590.6	5719.4	5805.3	5644.6	5194.5	4529.7	4432.7	3577.0
20°	5429.9	5444.2	5501.5	5694.0	5883.2	6078.9	6050.2	5636.7	4901.9	4822.4	3850.6
22.5°	5864.1	5853.0	5827.6	5919.8	6055.0	6298.3	6369.9	6061.4	5286.8	5210.4	4152.8
25°	6700.7	6680.1	6517.8	6433.5	6389.0	6536.9	6664.2	6447.8	5662.1	5547.6	4434.3
27.5°	7623.2	7612.1	7405.3	7204.9	6931.4	6867.7	6942.5	6785.0	6026.4	5910.3	4679.2
30°	8496.4	8463.0	8246.7	7995.4	7629.6	7356.0	7246.3	7115.9	6425.6	6304.7	4965.5
32.5°	9277.3	9234.4	8979.9	8701.6	8318.3	7995.4	7667.8	7467.4	6877.3	6737.3	5258.2
35°	9918.3	9875.4	9614.5	9318.7	8897.2	8658.6	8210.1	7849.1	7336.9	7195.4	5603.3
37.5°	10414.5	10374.8	10102.8	9811.7	9444.3	9255.1	8865.4	8278.5	7866.6	7718.6	5969.1
40°	10692.9	10664.2	10446.3	10215.7	9907.2	9743.3	9568.4	8820.9	8459.8	8311.9	6400.1
42.5°	10777.2	10758.1	10605.4	10486.1	10277.7	10153.7	10253.9	9458.6	9092.8	8964.0	6885.2
45°	10565.6	10565.6	10521.1	10581.5	10591.1	10589.5	10941.0	10179.1	9870.6	9729.0	7569.1
47.5°	10024.9	10059.9	10125.1	10422.5	10735.8	10998.2	11744.2	11139.8	10871.0	10754.9	8537.8
50°	9035.6	9131.0	9353.7	9934.2	10600.6	11268.6	12504.4	12560.1	12816.2	12611.0	9962.8
52.5°	7586.6	7572.3	8140.1	8967.2	9983.5	11279.8	12922.7	13813.4	14502.1	14360.5	11022.1
55°	6029.5	6005.7	6535.3	7675.7	9037.2	10853.5	13174.0	14387.6	15437.3	15310.1	11974.8
57.5°	4617.2	4587.0	5057.8	6086.8	7701.2	9948.5	13126.3	15071.5	16724.0	16658.8	13269.5
60°	3177.8	3141.2	3581.8	4482.0	6120.2	8564.8	12598.3	15423.0	18230.2	18252.5	14654.8
62.5°	1908.6	1887.9	2207.6	2905.8	4402.5	6850.2	11362.5	15209.9	19429.4	19529.6	15545.5
65°	1151.5	1137.2	1324.9	1733.6	2792.9	4998.9	9457.1	14120.4	19602.8	19833.4	15566.1
67.5°	838.2	839.8	893.9	1056.1	1628.7	3228.7	7096.8	12167.2	18699.4	18938.0	14584.8
70°	728.4	731.6	760.3	796.8	984.5	1848.1	4614.0	9605.0	16029.0	16213.5	12232.5
72.5°	647.3	647.3	666.4	685.5	769.8	1126.1	2471.6	6713.5	12650.8	12700.1	9336.2
75°	569.4	564.6	574.2	583.7	668.0	787.3	1202.4	4677.6	9344.1	9229.6	6034.3
77.5°	453.3	448.5	450.1	459.7	536.0	563.0	609.2	2921.7	5266.1	4970.3	2665.7
80°	322.9	319.7	337.2	361.0	396.0	345.1	381.7	1413.9	2088.3	1943.6	1033.8
82.5°	192.4	198.8	225.8	244.9	273.6	216.3	246.5	472.4	739.6	720.5	419.9
85°	27.0	28.6	81.1	93.8	117.7	84.3	130.4	213.1	295.8	316.5	147.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	11.1	38.2	84.3	85.9	36.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2142.4	2142.4	2142.4	2142.4	2142.4	2142.4	2142.4	2142.4	2142.4	2142.4	2142.4
2.5°	2180.6	2105.8	1999.2	1910.2	1835.4	1775.0	1724.1	1685.9	1674.8	1658.9	1658.9
5°	2260.1	2124.9	1934.0	1798.8	1720.9	1674.8	1643.0	1627.1	1619.1	1609.6	1604.8
7.5°	2369.8	2180.6	1922.9	1786.1	1725.7	1697.1	1676.4	1666.8	1660.5	1650.9	1650.9
10°	2520.9	2263.3	1957.9	1830.7	1782.9	1754.3	1730.5	1714.5	1700.2	1685.9	1682.7
12.5°	2684.7	2371.4	2021.5	1891.1	1840.2	1805.2	1771.8	1747.9	1730.5	1713.0	1708.2
15°	2866.1	2482.8	2089.9	1949.9	1886.3	1838.6	1798.8	1762.3	1738.4	1713.0	1709.8
17.5°	3044.2	2595.7	2147.2	1989.7	1908.6	1849.7	1792.5	1744.8	1714.5	1685.9	1678.0
20°	3257.3	2708.6	2186.9	2000.8	1903.8	1825.9	1757.5	1697.1	1663.7	1630.3	1625.5
22.5°	3453.0	2813.6	2206.0	1984.9	1867.2	1775.0	1695.5	1630.3	1593.7	1560.3	1553.9
25°	3642.2	2905.8	2198.1	1946.8	1811.6	1705.0	1622.3	1557.1	1522.1	1487.1	1477.6
27.5°	3825.1	2967.9	2166.2	1887.9	1741.6	1627.1	1547.5	1488.7	1458.5	1428.3	1415.5
30°	4004.9	3025.1	2116.9	1811.6	1652.5	1546.0	1480.7	1439.4	1409.2	1377.4	1367.8
32.5°	4186.2	3066.5	2042.2	1722.5	1561.9	1474.4	1434.6	1404.4	1372.6	1340.8	1331.2
35°	4369.1	3084.0	1951.5	1620.7	1485.5	1428.3	1413.9	1379.0	1336.0	1297.8	1285.1
37.5°	4587.0	3099.9	1838.6	1520.5	1418.7	1406.0	1402.8	1350.3	1299.4	1246.9	1232.6
40°	4849.4	3120.5	1722.5	1429.9	1364.6	1398.0	1385.3	1313.7	1212.0	1161.1	1145.2
42.5°	5170.7	3158.7	1601.6	1347.1	1324.9	1367.8	1353.5	1224.7	1156.3	1127.7	1119.7
45°	5643.1	3298.7	1480.7	1281.9	1294.7	1324.9	1302.6	1172.2	1145.2	1126.1	1116.5
47.5°	6484.4	3513.4	1375.8	1232.6	1270.8	1286.7	1200.8	1157.9	1137.2	1111.8	1100.6
50°	7359.2	3607.2	1291.5	1202.4	1243.8	1251.7	1145.2	1138.8	1124.5	1097.4	1086.3
52.5°	7950.9	3594.5	1240.6	1191.3	1221.5	1191.3	1119.7	1118.1	1108.6	1076.8	1064.0
55°	8618.9	3616.8	1218.3	1194.5	1212.0	1089.5	1087.9	1092.7	1087.9	1052.9	1046.5
57.5°	9520.7	3685.2	1207.2	1205.6	1205.6	1040.2	1057.7	1064.0	1054.5	1038.6	1033.8
60°	10387.5	3689.9	1186.5	1218.3	1200.8	1010.0	1022.7	1029.0	1017.9	1014.7	1013.1
62.5°	10713.5	3460.9	1140.4	1208.8	1181.7	976.6	986.1	989.3	978.2	986.1	984.5
65°	10228.4	2974.2	1064.0	1162.6	1122.9	946.3	940.0	947.9	928.8	949.5	951.1
67.5°	9081.7	2363.5	947.9	1075.2	1040.2	912.9	900.2	900.2	868.4	900.2	898.6
70°	7322.6	1670.0	777.7	935.2	949.5	873.2	866.8	830.2	779.3	827.1	822.3
72.5°	5550.8	1199.2	612.3	739.6	817.5	817.5	819.1	757.1	698.2	720.5	701.4
75°	3516.6	844.6	489.9	566.2	641.0	717.3	753.9	639.4	586.9	577.3	567.8
77.5°	1584.1	555.1	381.7	434.2	454.9	566.2	688.7	550.3	478.7	458.1	451.7
80°	663.2	345.1	272.0	307.0	279.9	475.6	607.6	427.8	351.5	322.9	302.2
82.5°	291.1	205.2	173.4	165.4	175.0	353.1	453.3	284.7	219.5	297.4	300.6
85°	122.5	108.2	89.1	81.1	71.6	135.2	213.1	111.3	136.8	77.9	63.6
87.5°	28.6	31.8	23.9	15.9	9.5	1.6	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)