

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: P630624

Luminaire Tested: GWS-SA1E-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4653.5 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

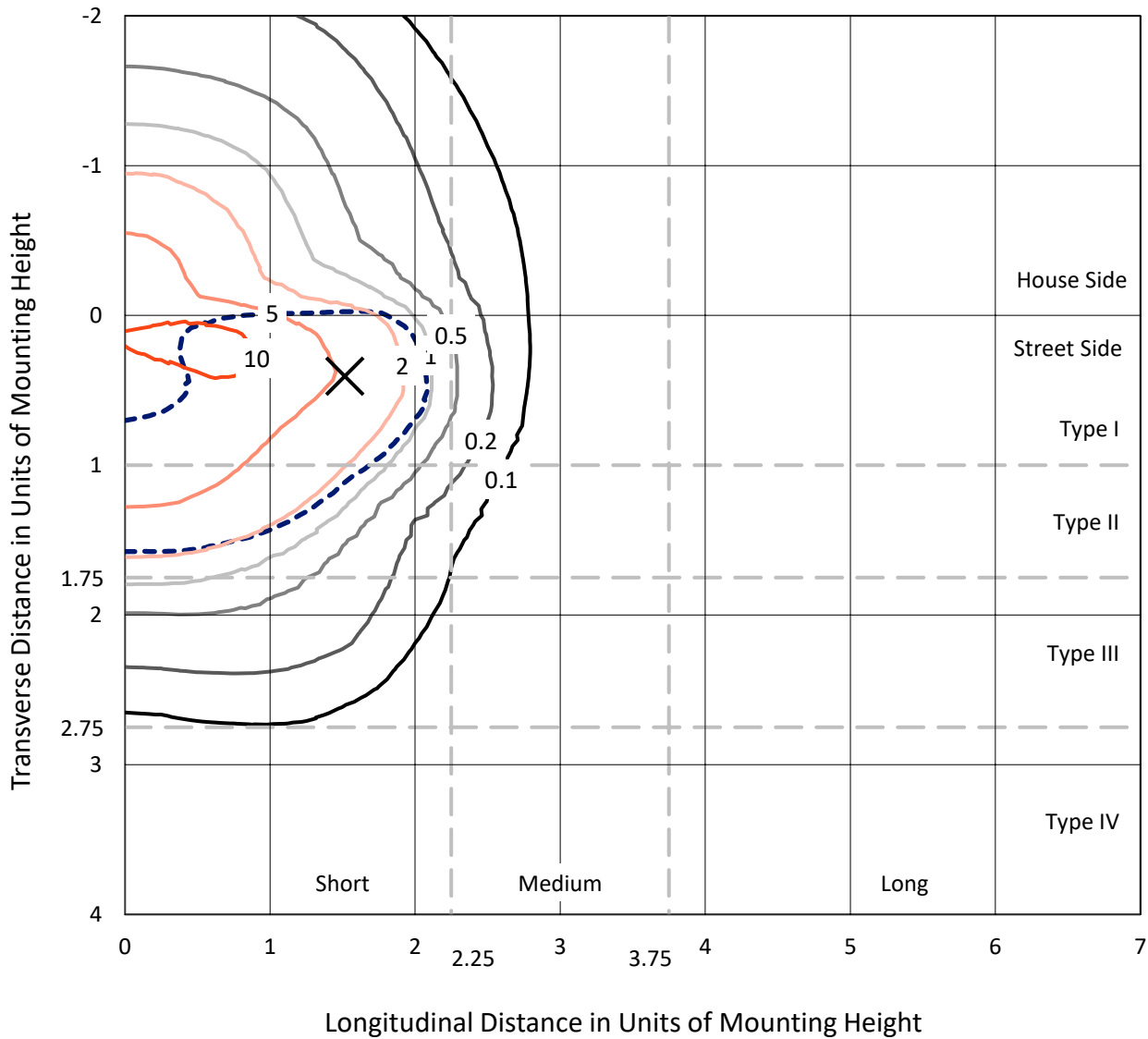
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630624
 CATALOG NUMBER: GWS-SA1E-722-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

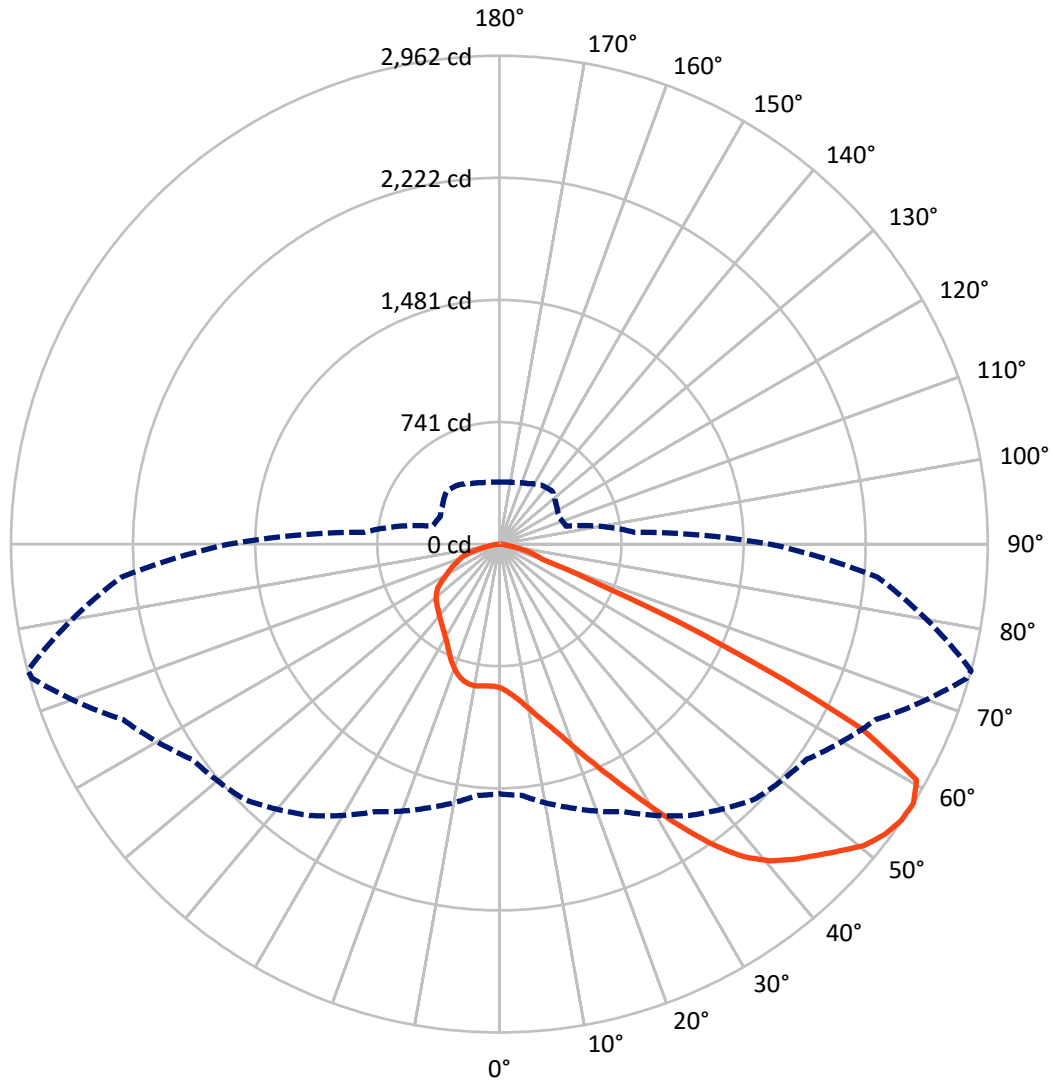
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Short - N/A

REPORT NUMBER: P630624
CATALOG NUMBER: GWS-SA1E-722-U-T2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P630624

CATALOG NUMBER: GWS-SA1E-722-U-T2-W-GRSWH

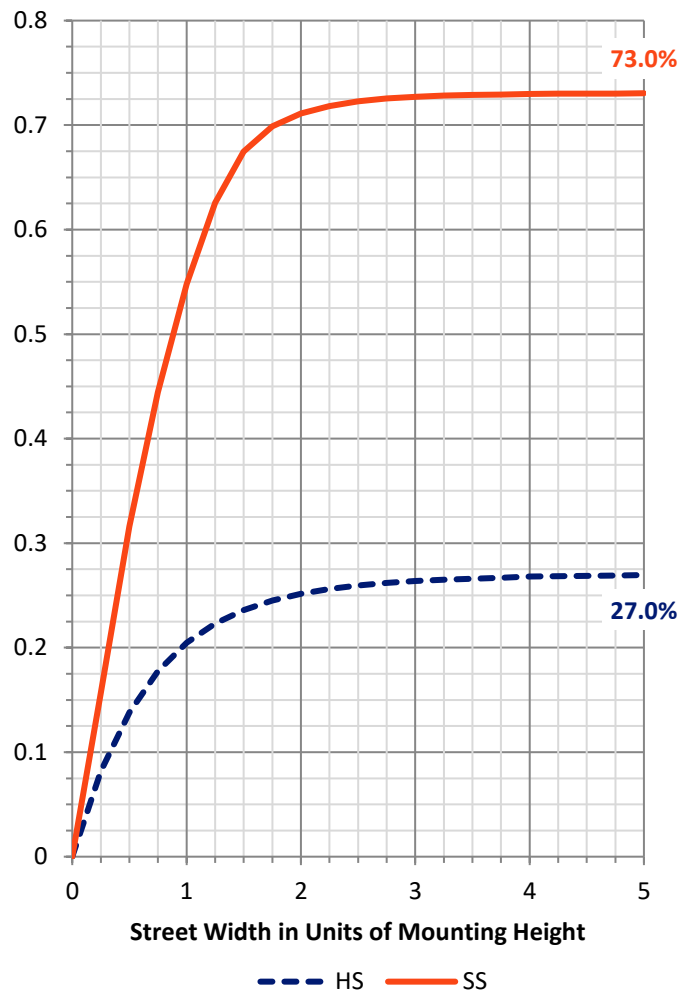
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1258.9	0.0	1258.9
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	3394.6	0.0	3394.6
	% Fixture	72.9	0.0	72.9
Total	Lumens	4653.5	0.0	4653.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	1.9
10°-20°	277.7	6.0
20°-30°	492.4	10.6
30°-40°	753.8	16.2
40°-50°	1049.6	22.6
50°-60°	1202.6	25.8
60°-70°	617.9	13.3
70°-80°	155.6	3.3
80°-90°	16.6	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°	4653.5	100.0
0°-180°	4653.5	100.0

Coefficient of Utilization



REPORT NUMBER: P630624

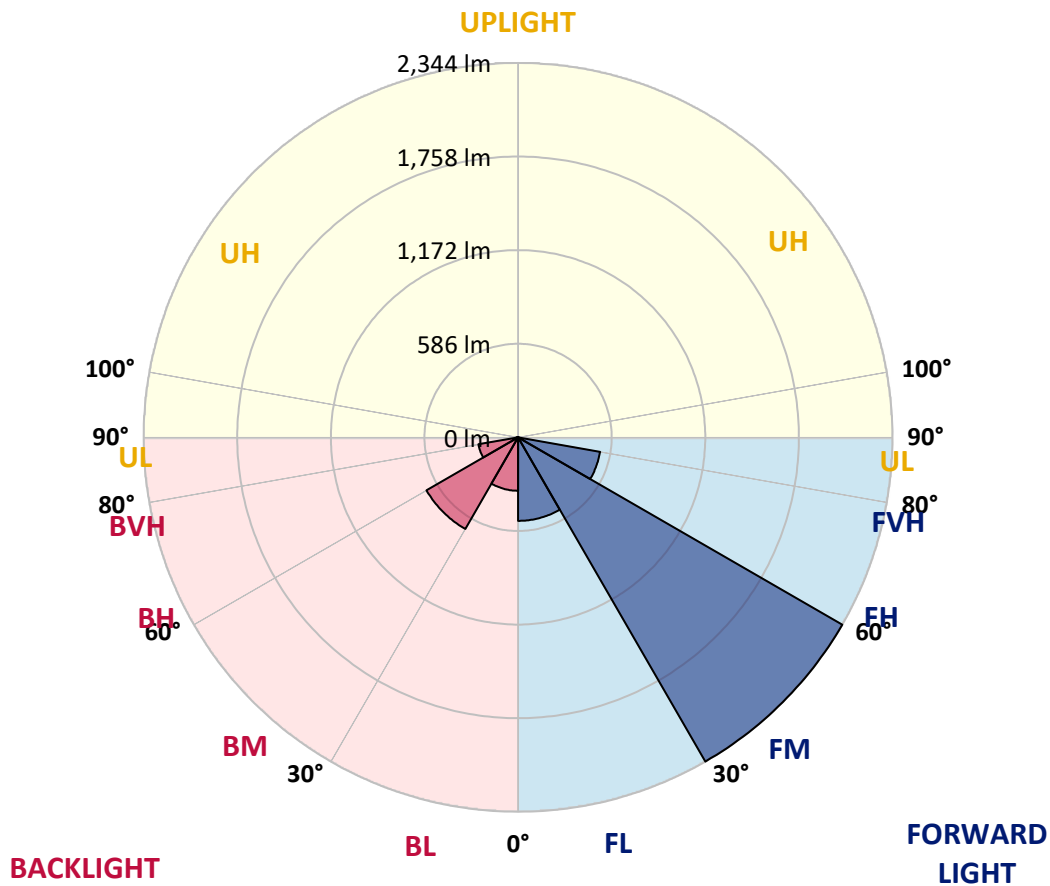
CATALOG NUMBER: GWS-SA1E-722-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	522.9	11.2			
FM (30°-60°)	2344.0	50.4			
FH (60°-80°)	521.6	11.2			G0/660
FVH (80°-90°)	6.2	0.1			G0/10
BL (0°-30°)	334.4	7.2	B1/500		
BM (30°-60°)	662.1	14.2	B1/1000		
BH (60°-80°)	251.9	5.4	B1/500		G1/500
BVH (80°-90°)	10.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P630624

CATALOG NUMBER: GWS-SA1E-722-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5
2.5°	936.3	938.7	936.3	940.3	932.3	928.7	919.9	906.7	896.3	894.7	883.1
5°	1009.1	1014.3	1011.1	1009.5	998.7	990.7	977.5	951.1	929.5	926.3	903.5
7.5°	1055.9	1059.6	1059.6	1060.8	1056.8	1047.5	1033.5	1002.3	971.9	967.1	932.7
10°	1071.6	1074.4	1079.6	1089.6	1097.6	1100.4	1091.2	1061.2	1023.9	1019.1	971.1
12.5°	1075.2	1078.4	1086.4	1104.8	1126.8	1146.8	1148.4	1126.4	1084.8	1079.6	1015.5
15°	1082.0	1085.2	1096.0	1118.8	1151.2	1189.6	1213.2	1198.0	1152.0	1146.4	1066.0
17.5°	1081.2	1084.8	1100.8	1131.2	1174.8	1230.4	1276.0	1282.4	1234.8	1225.2	1123.2
20°	1079.2	1082.4	1099.6	1136.8	1190.8	1267.2	1349.6	1382.9	1331.6	1322.8	1190.0
22.5°	1095.2	1098.8	1112.0	1142.8	1199.2	1295.6	1417.7	1497.7	1446.5	1434.1	1266.8
25°	1131.2	1136.4	1144.4	1165.6	1214.4	1320.8	1487.3	1627.7	1575.3	1560.5	1350.4
27.5°	1186.8	1193.2	1204.4	1214.4	1248.4	1352.8	1556.5	1773.4	1721.0	1705.4	1438.9
30°	1254.8	1263.2	1277.6	1284.4	1307.6	1400.1	1631.7	1923.4	1893.0	1871.4	1538.5
32.5°	1348.8	1360.5	1374.1	1376.1	1390.1	1471.7	1706.2	2072.3	2071.9	2056.7	1651.7
35°	1471.3	1483.7	1486.5	1489.3	1496.1	1570.1	1796.2	2207.9	2260.3	2242.7	1775.0
37.5°	1604.9	1622.9	1627.3	1614.9	1624.5	1688.6	1897.4	2316.8	2424.4	2405.6	1894.2
40°	1747.8	1755.0	1767.0	1747.4	1759.4	1824.2	1996.7	2386.4	2546.8	2526.8	1988.3
42.5°	1850.2	1863.4	1881.4	1874.2	1881.0	1940.2	2066.3	2420.0	2634.1	2614.1	2055.9
45°	1961.5	1965.5	1977.1	1975.5	1979.5	2034.7	2116.3	2434.8	2712.1	2694.1	2113.5
47.5°	2058.3	2064.3	2071.9	2063.1	2054.3	2090.3	2157.1	2447.6	2802.1	2780.5	2173.9
50°	2151.5	2156.7	2165.9	2140.3	2107.5	2116.7	2177.1	2465.2	2886.6	2871.4	2221.5
52.5°	2168.7	2174.3	2217.5	2222.7	2180.7	2148.3	2212.3	2504.0	2936.2	2926.6	2238.7
55°	1952.2	1962.3	2048.3	2147.1	2250.7	2240.3	2268.8	2524.4	2955.8	2958.2	2269.6
57.5°	1515.3	1529.7	1655.3	1791.0	2009.1	2189.5	2276.0	2519.2	2949.0	2962.2	2301.2
60°	993.9	1002.3	1151.2	1303.2	1529.3	1779.0	2037.1	2425.6	2888.6	2907.4	2293.2
62.5°	600.2	609.8	729.4	844.7	977.9	1144.8	1381.7	1949.4	2421.2	2463.2	1836.6
65°	418.9	431.7	536.6	631.4	677.4	643.0	699.8	1088.8	1508.5	1526.1	1122.4
67.5°	303.7	312.5	398.5	511.4	562.2	454.2	346.1	482.2	657.0	663.4	463.0
70°	198.9	208.9	286.9	389.3	459.0	368.1	258.9	260.9	276.5	279.7	268.9
72.5°	109.2	115.2	177.3	258.5	271.3	220.1	202.1	216.9	227.7	227.7	230.5
75°	56.4	61.6	72.4	85.2	102.8	120.4	145.6	167.7	179.3	180.1	178.9
77.5°	28.8	30.8	38.8	42.0	46.0	53.6	69.6	89.2	99.6	103.6	102.8
80°	13.6	14.4	16.4	19.2	23.6	30.0	37.6	44.8	51.2	52.0	56.4
82.5°	7.2	8.0	8.8	10.4	12.8	16.0	22.0	26.4	30.4	31.2	34.8
85°	2.8	3.2	3.6	4.0	5.6	6.8	9.2	12.4	15.2	15.2	18.0
87.5°	0.0	0.0	0.0	0.0	0.4	0.8	1.6	2.0	2.8	2.8	4.8
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: P630624

CATALOG NUMBER: GWS-SA1E-722-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5
2.5°	880.3	868.7	863.5	855.1	848.3	840.7	834.7	830.3	827.5	825.9	824.3
5°	894.7	877.1	863.1	846.3	834.7	823.5	814.3	807.9	804.7	802.3	800.7
7.5°	917.1	893.5	867.1	841.1	820.7	802.7	791.1	784.3	779.9	778.3	777.1
10°	947.9	915.1	871.5	830.3	799.9	780.3	772.3	769.1	769.5	768.7	768.3
12.5°	982.7	937.9	870.3	811.1	777.5	765.9	766.3	771.5	777.5	779.1	779.5
15°	1020.3	960.3	858.7	786.3	759.9	761.1	771.5	783.9	795.1	799.5	800.3
17.5°	1061.2	979.1	837.5	759.1	745.4	758.3	777.5	797.9	814.3	821.5	823.5
20°	1106.8	995.1	807.5	732.2	731.8	753.0	781.1	807.9	828.7	838.3	839.9
22.5°	1155.2	1005.1	770.7	707.4	717.8	746.2	778.3	806.3	828.3	837.9	839.9
25°	1204.0	1008.3	730.2	684.6	703.4	735.4	764.7	787.1	807.9	816.3	817.9
27.5°	1249.6	999.1	691.8	665.0	690.2	719.4	739.0	751.0	765.5	771.9	773.1
30°	1296.0	980.7	659.4	649.4	675.4	697.4	706.2	707.0	712.6	712.6	713.4
32.5°	1342.8	953.5	631.0	634.2	657.0	671.4	672.6	663.4	656.6	645.4	645.0
35°	1396.9	925.9	607.8	617.0	635.4	644.2	640.6	623.0	606.6	588.2	587.4
37.5°	1446.9	897.5	588.2	599.4	611.0	617.4	609.0	587.8	574.2	555.4	552.6
40°	1488.1	871.9	569.4	581.0	586.6	592.2	578.6	561.4	563.4	553.0	552.6
42.5°	1512.1	847.1	551.8	560.6	564.2	568.2	556.2	543.4	554.2	546.2	546.6
45°	1529.7	825.5	535.8	539.0	547.8	553.8	542.6	528.2	530.6	499.8	492.6
47.5°	1549.7	813.5	520.6	517.4	533.0	543.4	526.2	505.4	491.0	460.6	457.8
50°	1570.9	809.1	504.6	495.8	514.6	524.6	504.6	478.6	459.8	443.3	441.7
52.5°	1578.1	808.7	484.6	469.8	488.6	502.6	485.8	459.4	436.9	420.9	420.1
55°	1606.5	820.3	459.0	434.1	451.7	480.6	468.2	430.1	412.1	404.9	404.1
57.5°	1639.7	822.3	418.5	395.3	419.7	453.8	438.1	405.3	385.7	376.9	376.1
60°	1626.1	773.1	375.3	365.7	392.5	428.5	414.1	385.7	362.9	354.5	353.7
62.5°	1239.2	545.8	343.7	340.1	363.3	392.1	389.3	359.7	338.1	332.1	331.3
65°	745.4	383.3	313.3	312.9	329.3	356.9	360.5	336.5	313.7	305.3	305.3
67.5°	368.5	293.3	278.9	276.9	287.3	306.9	322.1	302.5	283.3	275.3	274.1
70°	260.5	258.5	253.7	248.1	250.1	258.1	264.5	248.1	227.7	219.7	218.1
72.5°	225.3	225.7	222.5	218.1	216.5	210.9	205.3	193.3	180.9	172.5	173.3
75°	174.9	175.7	177.7	176.1	171.7	165.7	159.7	144.4	134.4	126.4	124.8
77.5°	102.0	106.0	112.4	110.8	111.6	103.2	100.8	86.0	76.8	71.2	70.0
80°	57.6	60.0	62.8	64.8	62.4	58.8	53.6	45.6	42.8	38.8	38.0
82.5°	34.8	37.2	38.4	40.0	39.2	34.4	30.4	25.2	22.8	20.8	20.4
85°	17.6	19.2	20.4	21.2	18.8	15.6	14.0	11.2	9.6	8.4	8.4
87.5°	4.4	4.8	5.6	4.8	4.4	2.0	1.6	0.4	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)