

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: P631614

Luminaire Tested: GWS-SA2B-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631614
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-SA2B-722-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4238.1 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

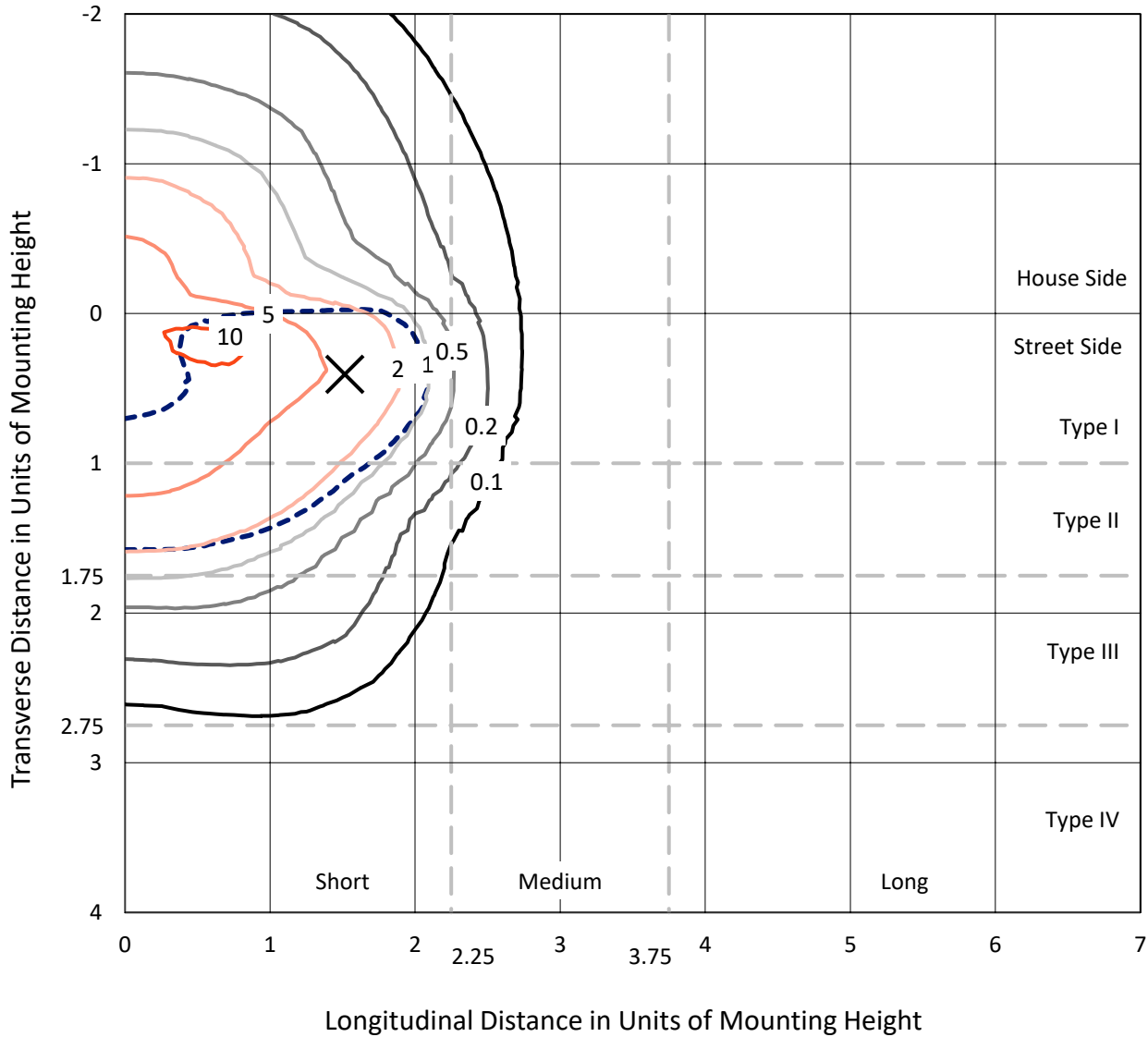
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631614
 CATALOG NUMBER: GWS-SA2B-722-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

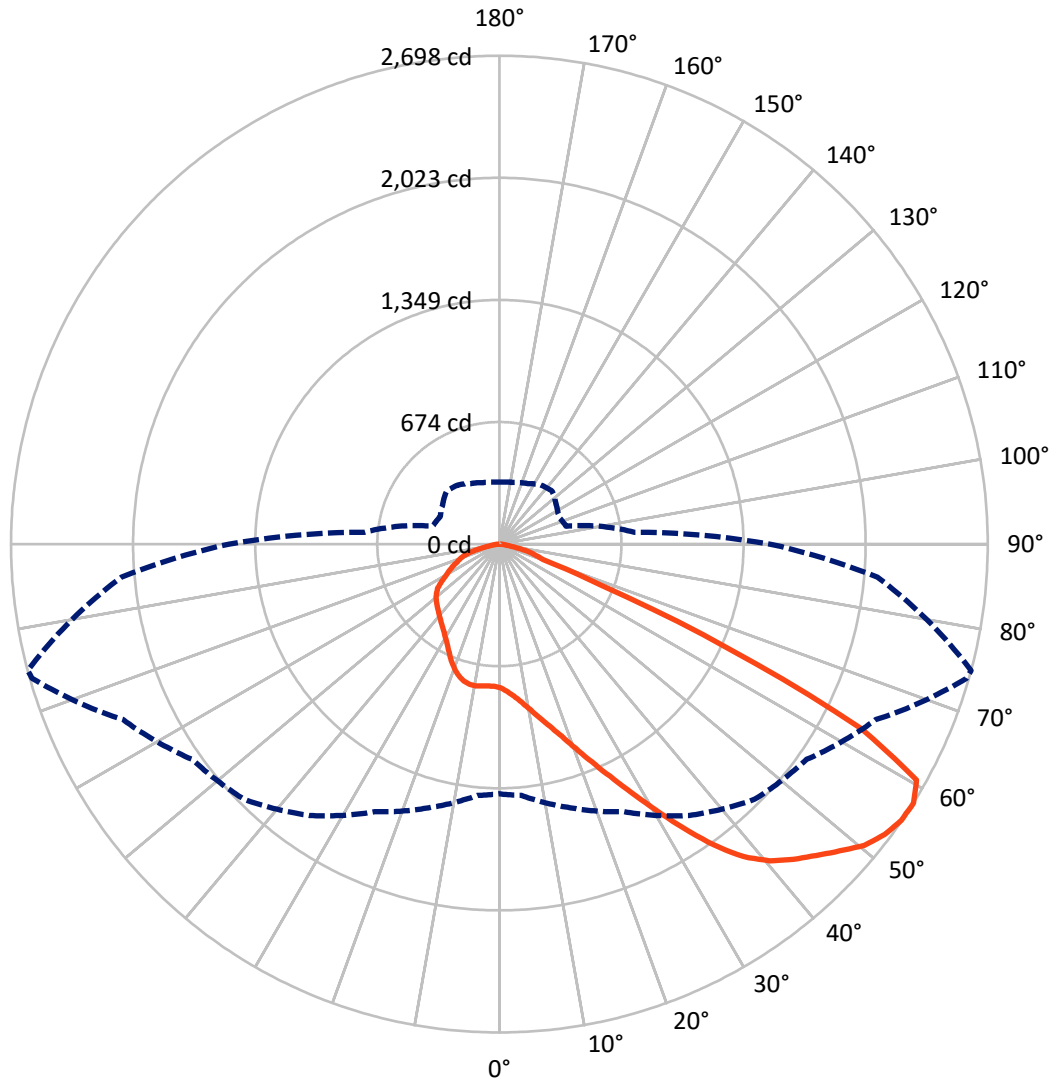
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Short - N/A

REPORT NUMBER: P631614
CATALOG NUMBER: GWS-SA2B-722-U-T2-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631614

CATALOG NUMBER: GWS-SA2B-722-U-T2-W-GRSWH

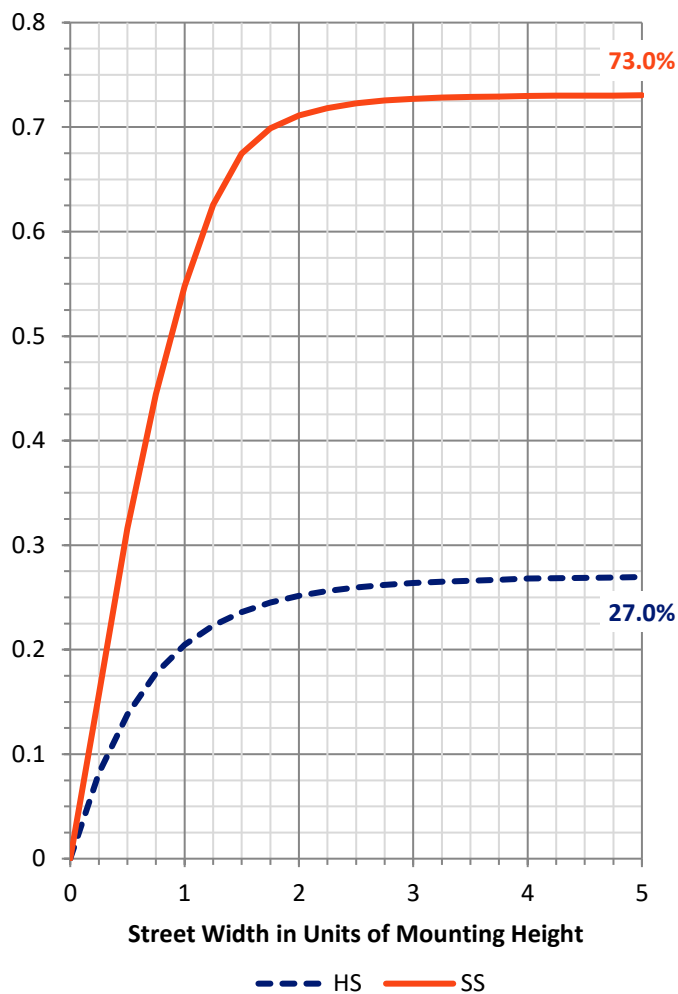
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1146.5	0.0	1146.5
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	3091.6	0.0	3091.6
	% Fixture	72.9	0.0	72.9
Total	Lumens	4238.1	0.0	4238.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	1.9
10°-20°	252.9	6.0
20°-30°	448.5	10.6
30°-40°	686.5	16.2
40°-50°	955.9	22.6
50°-60°	1095.3	25.8
60°-70°	562.8	13.3
70°-80°	141.7	3.3
80°-90°	15.1	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°	4238.1	100.0
0°-180°	4238.1	100.0

Coefficient of Utilization



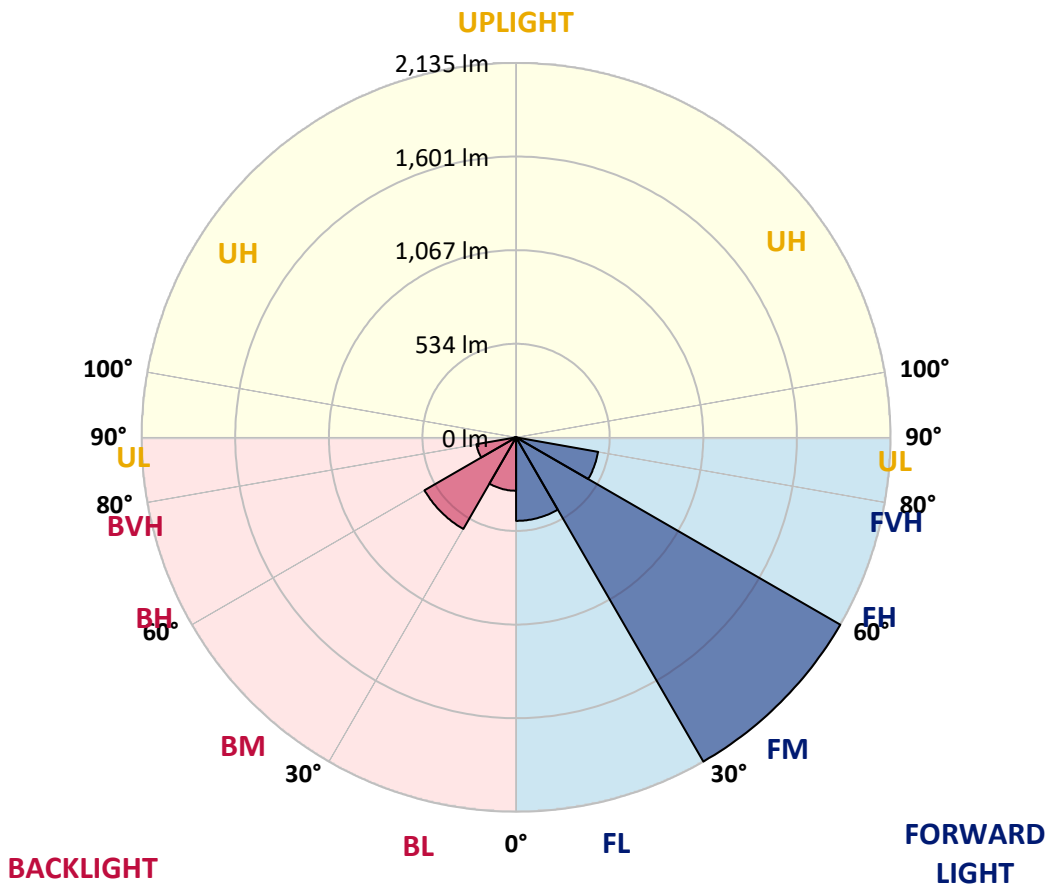
REPORT NUMBER: P631614

CATALOG NUMBER: GWS-SA2B-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°)	476.2	11.2			
FM (30°-60°)	2134.8	50.4			
FH (60°-80°)	475.0	11.2			G0/660
FVH (80°-90°)	5.6	0.1			G0/10
BL (0°-30°)	304.6	7.2	B1/500		
BM (30°-60°)	602.9	14.2	B1/1000		
BH (60°-80°)	229.4	5.4	B1/500		G1/500
BVH (80°-90°)	9.5	0.2			G0/10
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: P631614

CATALOG NUMBER: GWS-SA2B-722-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7
2.5°	852.7	854.9	852.7	856.4	849.1	845.8	837.8	825.8	816.3	814.8	804.3
5°	919.1	923.8	920.9	919.4	909.6	902.3	890.3	866.2	846.5	843.6	822.8
7.5°	961.7	965.0	965.0	966.1	962.4	954.0	941.3	912.9	885.2	880.8	849.4
10°	975.9	978.5	983.2	992.3	999.6	1002.1	993.8	966.4	932.5	928.2	884.4
12.5°	979.2	982.1	989.4	1006.1	1026.2	1044.4	1045.9	1025.8	987.9	983.2	924.9
15°	985.4	988.3	998.1	1018.9	1048.4	1083.4	1104.9	1091.1	1049.1	1044.0	970.8
17.5°	984.6	987.9	1002.5	1030.2	1069.9	1120.6	1162.1	1167.9	1124.6	1115.8	1022.9
20°	982.8	985.7	1001.4	1035.3	1084.5	1154.1	1229.2	1259.4	1212.8	1204.8	1083.8
22.5°	997.4	1000.7	1012.7	1040.8	1092.1	1180.0	1291.1	1364.0	1317.4	1306.1	1153.7
25°	1030.2	1034.9	1042.2	1061.5	1106.0	1202.9	1354.5	1482.4	1434.7	1421.2	1229.9
27.5°	1080.9	1086.7	1096.9	1106.0	1137.0	1232.1	1417.6	1615.1	1567.3	1553.1	1310.4
30°	1142.8	1150.5	1163.6	1169.8	1190.9	1275.1	1486.1	1751.7	1724.0	1704.4	1401.2
32.5°	1228.4	1239.0	1251.4	1253.2	1266.0	1340.3	1553.9	1887.3	1886.9	1873.1	1504.3
35°	1340.0	1351.2	1353.8	1356.4	1362.5	1430.0	1635.9	2010.8	2058.6	2042.5	1616.5
37.5°	1461.7	1478.1	1482.1	1470.8	1479.5	1537.8	1728.1	2110.0	2208.0	2190.9	1725.1
40°	1591.8	1598.3	1609.3	1591.4	1602.3	1661.4	1818.4	2173.4	2319.5	2301.3	1810.8
42.5°	1685.1	1697.1	1713.5	1706.9	1713.1	1767.0	1881.8	2204.0	2398.9	2380.7	1872.4
45°	1786.4	1790.0	1800.6	1799.1	1802.8	1853.0	1927.4	2217.5	2470.0	2453.6	1924.8
47.5°	1874.5	1880.0	1886.9	1878.9	1870.9	1903.7	1964.6	2229.1	2552.0	2532.3	1979.9
50°	1959.5	1964.2	1972.6	1949.3	1919.4	1927.8	1982.8	2245.2	2628.9	2615.0	2023.2
52.5°	1975.1	1980.2	2019.6	2024.3	1986.1	1956.5	2014.8	2280.5	2674.1	2665.3	2038.9
55°	1778.0	1787.1	1865.4	1955.4	2049.8	2040.4	2066.2	2299.1	2691.9	2694.1	2067.0
57.5°	1380.0	1393.2	1507.6	1631.1	1829.7	1994.1	2072.8	2294.4	2685.7	2697.8	2095.7
60°	905.2	912.9	1048.4	1186.9	1392.8	1620.2	1855.2	2209.1	2630.7	2647.8	2088.5
62.5°	546.6	555.4	664.3	769.3	890.6	1042.6	1258.3	1775.4	2205.1	2243.3	1672.7
65°	381.5	393.2	488.7	575.0	617.0	585.6	637.4	991.6	1373.8	1389.9	1022.2
67.5°	276.6	284.6	363.0	465.7	512.0	413.6	315.2	439.1	598.4	604.2	421.6
70°	181.1	190.2	261.3	354.6	418.0	335.3	235.8	237.6	251.8	254.7	244.9
72.5°	99.5	105.0	161.4	235.4	247.1	200.4	184.0	197.5	207.4	207.4	209.9
75°	51.4	56.1	66.0	77.6	93.7	109.7	132.6	152.7	163.3	164.0	162.9
77.5°	26.2	28.1	35.3	38.3	41.9	48.8	63.4	81.3	90.7	94.4	93.7
80°	12.4	13.1	14.9	17.5	21.5	27.3	34.3	40.8	46.6	47.4	51.4
82.5°	6.6	7.3	8.0	9.5	11.7	14.6	20.0	24.1	27.7	28.4	31.7
85°	2.6	2.9	3.3	3.6	5.1	6.2	8.4	11.3	13.8	13.8	16.4
87.5°	0.0	0.0	0.0	0.0	0.4	0.7	1.5	1.8	2.6	2.6	4.4
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: P631614

CATALOG NUMBER: GWS-SA2B-722-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7	793.7
2.5°	801.7	791.1	786.4	778.8	772.6	765.6	760.2	756.2	753.6	752.2	750.7
5°	814.8	798.8	786.0	770.7	760.2	750.0	741.6	735.8	732.8	730.7	729.2
7.5°	835.2	813.7	789.7	766.0	747.4	731.0	720.4	714.3	710.2	708.8	707.7
10°	863.3	833.4	793.7	756.2	728.5	710.6	703.3	700.4	700.8	700.0	699.7
12.5°	895.0	854.2	792.6	738.7	708.1	697.5	697.9	702.6	708.1	709.5	709.9
15°	929.3	874.6	782.0	716.1	692.0	693.1	702.6	713.9	724.1	728.1	728.8
17.5°	966.4	891.7	762.7	691.3	678.9	690.6	708.1	726.6	741.6	748.1	750.0
20°	1008.0	906.3	735.4	666.9	666.5	685.8	711.3	735.8	754.7	763.4	764.9
22.5°	1052.1	915.4	701.9	644.3	653.8	679.6	708.8	734.3	754.3	763.1	764.9
25°	1096.5	918.3	665.1	623.5	640.6	669.8	696.4	716.8	735.8	743.4	744.9
27.5°	1138.1	909.9	630.1	605.7	628.6	655.2	673.1	684.0	697.1	703.0	704.0
30°	1180.3	893.2	600.6	591.4	615.1	635.2	643.2	643.9	649.0	649.0	649.8
32.5°	1223.0	868.4	574.7	577.6	598.4	611.5	612.6	604.2	598.0	587.8	587.4
35°	1272.2	843.3	553.5	561.9	578.7	586.7	583.4	567.4	552.5	535.7	535.0
37.5°	1317.7	817.4	535.7	545.9	556.5	562.3	554.6	535.3	522.9	505.8	503.3
40°	1355.3	794.1	518.6	529.1	534.2	539.3	526.9	511.3	513.1	503.6	503.3
42.5°	1377.1	771.5	502.5	510.5	513.8	517.5	506.5	494.9	504.7	497.4	497.8
45°	1393.2	751.8	488.0	490.9	498.9	504.3	494.1	481.0	483.2	455.2	448.6
47.5°	1411.4	740.9	474.1	471.2	485.4	494.9	479.2	460.3	447.1	419.4	416.9
50°	1430.7	736.8	459.5	451.5	468.6	477.7	459.5	435.8	418.7	403.8	402.3
52.5°	1437.3	736.5	441.3	427.8	444.9	457.7	442.4	418.3	397.9	383.4	382.6
55°	1463.1	747.0	418.0	395.4	411.4	437.7	426.4	391.7	375.3	368.8	368.1
57.5°	1493.4	748.9	381.2	360.0	382.3	413.2	399.0	369.2	351.3	343.3	342.5
60°	1481.0	704.0	341.8	333.1	357.5	390.3	377.2	351.3	330.5	322.9	322.1
62.5°	1128.6	497.1	313.0	309.8	330.9	357.1	354.6	327.6	307.9	302.5	301.7
65°	678.9	349.1	285.3	285.0	299.9	325.1	328.3	306.5	285.7	278.0	278.0
67.5°	335.6	267.1	254.0	252.2	261.6	279.5	293.4	275.5	258.0	250.7	249.6
70°	237.2	235.4	231.0	225.9	227.8	235.0	240.9	225.9	207.4	200.1	198.6
72.5°	205.2	205.5	202.6	198.6	197.1	192.0	186.9	176.0	164.7	157.1	157.8
75°	159.2	160.0	161.8	160.3	156.3	150.9	145.4	131.6	122.4	115.2	113.7
77.5°	92.9	96.6	102.4	100.9	101.7	94.0	91.8	78.3	70.0	64.9	63.8
80°	52.5	54.7	57.2	59.0	56.8	53.6	48.8	41.5	39.0	35.3	34.6
82.5°	31.7	33.9	35.0	36.4	35.7	31.3	27.7	23.0	20.8	18.9	18.6
85°	16.0	17.5	18.6	19.3	17.1	14.2	12.8	10.2	8.7	7.7	7.7
87.5°	4.0	4.4	5.1	4.4	4.0	1.8	1.5	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)