

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: P631622

Luminaire Tested: GWS-SA2B-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631622  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-722-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

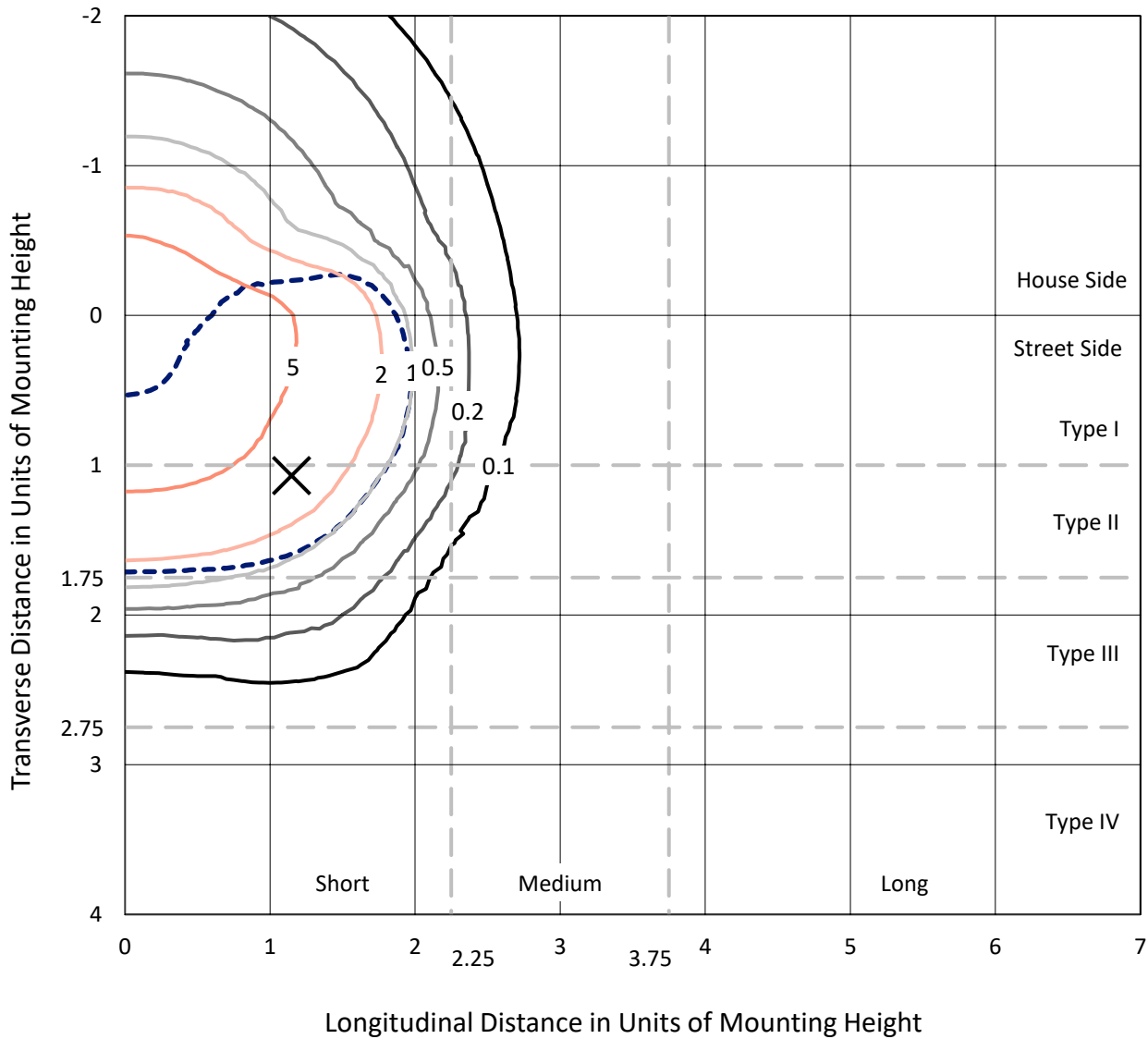
Lumens per Lamp: N/A  
Luminaire Lumens: 4338.7 lumens  
Efficiency: N/A  
Efficacy: 93.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

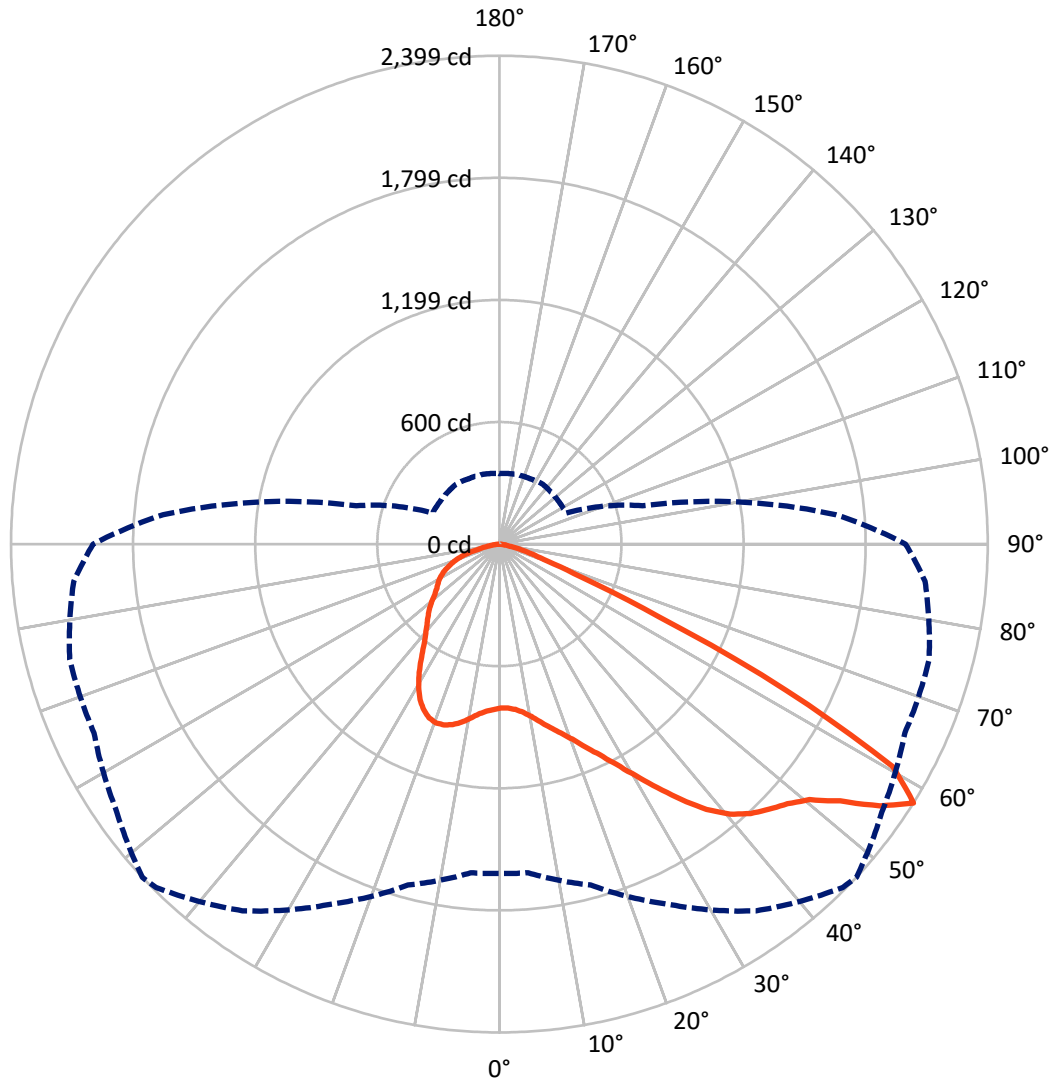
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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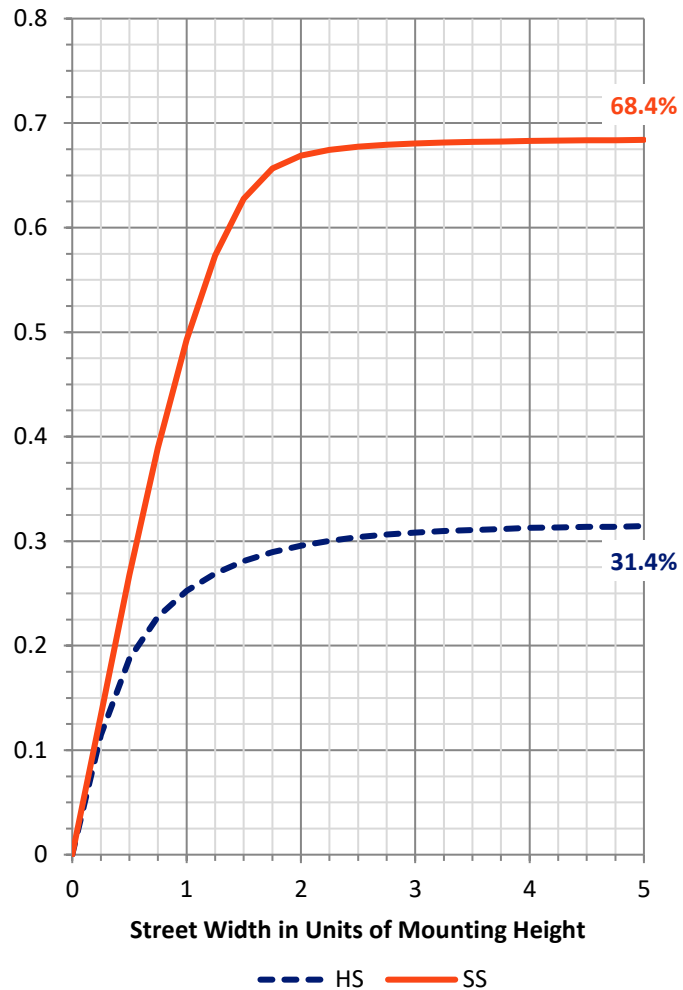
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1373.2	0.0	1373.2
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	2965.5	0.0	2965.5
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	4338.7	0.0	4338.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.4	1.8
10°-20°	261.0	6.0
20°-30°	470.0	10.8
30°-40°	709.9	16.4
40°-50°	955.9	22.0
50°-60°	1148.7	26.5
60°-70°	559.4	12.9
70°-80°	137.8	3.2
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°	4338.7	100.0
0°-180°	4338.7	100.0

**Coefficient of Utilization**



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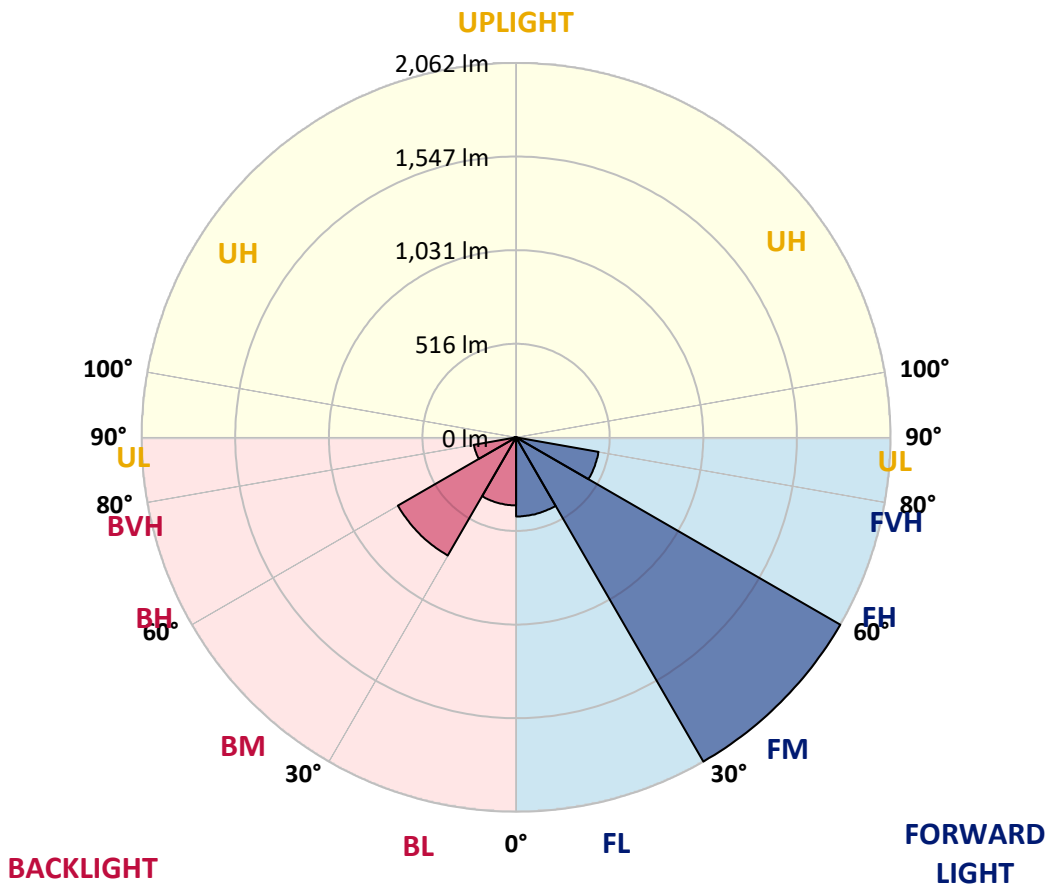
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	435.8	10.0			
FM (30°-60°)	2062.4	47.5			
FH (60°-80°)	461.1	10.6			G0/660
FVH (80°-90°)	6.2	0.1			G0/10
BL (0°-30°)	374.6	8.6	B1/500		
BM (30°-60°)	752.1	17.3	B1/1000		
BH (60°-80°)	236.2	5.4	B1/500		G1/500
BVH (80°-90°)	10.3	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	804.6	804.6	804.6	804.6	804.6	804.6	804.6	804.6	804.6	804.6	804.6
2.5°	803.2	802.8	802.8	805.0	805.0	805.7	806.8	807.9	808.3	806.4	802.4
5°	811.9	811.9	811.9	813.7	813.7	814.5	815.9	816.3	815.9	813.0	809.0
7.5°	825.8	825.8	826.1	828.3	830.1	831.2	833.8	833.4	832.3	827.6	822.5
10°	848.3	849.4	850.5	853.1	856.7	859.3	861.1	861.1	859.6	852.4	845.8
12.5°	880.4	881.9	883.0	885.2	888.1	892.4	896.4	896.4	894.6	885.5	875.7
15°	917.9	919.4	919.0	919.8	925.2	931.4	934.7	936.9	937.6	924.9	909.6
17.5°	961.0	962.4	961.0	958.8	959.5	969.3	975.2	983.2	987.9	970.8	946.4
20°	999.9	998.5	998.5	999.9	1002.1	1014.2	1022.9	1036.0	1041.8	1021.1	983.2
22.5°	1041.1	1044.4	1042.9	1042.9	1051.7	1071.7	1082.3	1099.4	1105.6	1078.7	1027.6
25°	1094.3	1097.2	1096.5	1097.2	1107.4	1135.9	1146.4	1178.1	1184.3	1145.7	1076.8
27.5°	1152.6	1157.4	1159.6	1158.8	1175.2	1212.4	1225.5	1269.6	1280.9	1220.8	1129.3
30°	1228.4	1233.5	1235.4	1234.6	1253.9	1304.6	1319.5	1369.8	1385.9	1309.7	1196.0
32.5°	1316.3	1321.4	1326.8	1329.0	1353.8	1405.5	1427.0	1479.1	1502.1	1412.5	1276.5
35°	1403.3	1407.7	1418.3	1435.4	1469.3	1522.1	1541.1	1592.5	1614.7	1519.2	1373.8
37.5°	1499.5	1502.5	1511.6	1535.3	1584.1	1634.4	1653.3	1702.5	1705.1	1622.4	1483.9
40°	1604.9	1604.9	1603.0	1626.4	1677.4	1728.0	1744.4	1772.9	1757.9	1701.8	1591.0
42.5°	1694.1	1692.7	1694.1	1716.0	1753.9	1795.1	1809.3	1803.8	1784.9	1762.7	1687.9
45°	1774.7	1775.8	1788.9	1805.7	1825.3	1849.7	1858.1	1827.2	1810.0	1811.5	1765.6
47.5°	1829.3	1830.4	1861.0	1889.1	1901.1	1908.8	1905.1	1862.1	1853.4	1869.8	1825.3
50°	1836.6	1842.5	1895.3	1952.9	1982.8	1983.9	1973.6	1921.2	1918.6	1937.2	1857.4
52.5°	1838.1	1843.9	1909.9	2013.7	2091.4	2107.7	2096.1	2041.4	2014.8	1996.2	1896.8
55°	1832.6	1839.2	1912.1	2054.5	2203.2	2268.8	2269.9	2192.7	2107.7	2095.4	2009.0
57.5°	1618.0	1620.5	1733.5	1950.7	2198.9	2384.7	2398.9	2294.0	2197.0	2185.4	2099.0
60°	1127.1	1137.3	1260.1	1546.9	1847.2	2174.8	2220.7	2190.1	2125.2	2040.3	1800.9
62.5°	564.5	573.2	696.4	967.5	1274.0	1532.7	1581.9	1614.3	1629.6	1538.5	1226.2
65°	243.1	249.6	326.1	505.4	721.2	846.2	863.3	902.3	997.8	890.3	660.7
67.5°	162.5	166.9	205.9	308.3	424.9	432.9	430.4	438.8	459.5	379.4	298.5
70°	124.6	128.3	154.5	225.9	305.4	261.3	247.4	224.5	243.8	248.5	242.0
72.5°	90.4	93.3	113.0	154.1	191.3	166.9	164.7	176.4	202.6	209.9	205.9
75°	58.3	59.8	71.8	84.5	98.8	107.1	111.5	132.6	159.2	164.7	160.0
77.5°	39.0	40.1	47.0	54.3	56.1	56.5	57.9	67.4	85.6	95.8	94.7
80°	20.4	20.4	23.0	23.0	26.2	31.3	32.8	39.0	47.4	52.5	52.8
82.5°	8.0	8.4	9.8	10.9	13.1	16.0	17.1	20.4	24.8	28.4	31.7
85°	3.3	3.6	4.0	4.7	5.8	7.3	7.7	8.7	11.7	14.6	16.4
87.5°	0.0	0.0	0.4	0.4	0.7	1.1	1.1	1.5	1.8	3.3	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	804.6	804.6	804.6	804.6	804.6	804.6	804.6	804.6	804.6	804.6	804.6
2.5°	807.2	802.4	807.2	808.6	812.6	814.1	811.5	811.2	811.2	807.5	806.4
5°	812.6	808.3	813.0	815.2	821.0	824.7	825.4	828.3	830.1	828.7	828.3
7.5°	826.1	820.7	825.8	829.0	836.7	842.5	845.1	851.6	856.4	855.6	855.3
10°	849.8	842.5	848.3	853.8	862.2	869.1	869.5	873.1	877.9	876.4	875.7
12.5°	877.1	870.2	876.8	882.2	892.1	895.0	890.3	888.8	889.5	887.7	886.2
15°	910.7	900.8	906.7	912.8	918.3	915.0	904.8	900.8	900.5	897.9	896.4
17.5°	944.2	931.8	936.2	939.5	936.9	926.7	913.9	907.0	903.7	898.6	897.2
20°	977.3	961.7	961.0	958.4	946.7	928.2	911.0	897.2	888.8	881.9	879.3
22.5°	1015.2	993.4	982.5	970.8	945.3	915.0	889.2	869.5	856.0	847.3	844.3
25°	1056.1	1025.1	1002.5	979.2	930.7	887.0	850.9	823.9	807.9	798.4	795.1
27.5°	1096.5	1053.9	1020.0	980.3	901.6	846.5	798.1	761.6	745.6	737.9	735.4
30°	1151.2	1092.1	1040.8	966.1	863.3	790.4	729.9	693.1	682.5	677.1	674.9
32.5°	1214.2	1140.6	1068.5	936.2	814.5	724.8	661.0	635.5	628.2	617.7	617.3
35°	1297.3	1209.8	1094.7	892.1	752.9	654.5	608.2	590.0	576.9	560.1	558.6
37.5°	1394.2	1296.2	1108.9	836.0	681.1	596.5	568.8	548.4	527.3	505.1	502.2
40°	1494.4	1397.1	1110.0	769.6	610.8	558.3	535.0	508.4	482.1	457.3	454.1
42.5°	1599.8	1491.2	1090.7	693.1	553.2	525.1	501.4	467.9	438.4	421.6	419.8
45°	1693.8	1567.0	1047.0	612.6	510.5	497.4	467.2	431.1	415.4	403.4	400.9
47.5°	1767.8	1617.3	987.9	540.4	475.9	469.0	429.6	411.1	399.0	388.1	385.5
50°	1804.2	1628.6	911.0	481.8	443.9	435.5	408.5	394.3	386.3	377.5	375.3
52.5°	1849.4	1641.3	844.7	432.6	412.5	401.2	391.0	379.7	373.9	368.4	366.6
55°	1953.2	1689.4	809.7	393.2	382.6	377.5	376.1	366.6	364.8	361.1	357.9
57.5°	1995.5	1658.4	727.0	361.1	358.9	359.7	363.3	354.6	352.7	348.4	346.2
60°	1604.9	1253.6	492.3	333.4	339.3	344.0	347.6	338.9	336.4	335.6	332.7
62.5°	1028.4	771.1	343.6	307.6	316.3	322.1	324.3	315.9	314.1	320.0	320.3
65°	535.3	420.2	278.8	279.9	287.2	295.9	300.3	297.4	296.6	302.8	303.2
67.5°	273.3	256.9	243.1	247.1	252.9	264.2	274.4	287.2	291.5	292.3	292.6
70°	232.9	225.6	218.6	221.2	227.4	233.6	243.4	249.6	242.3	240.5	239.8
72.5°	198.2	192.8	189.5	192.4	195.7	194.6	191.7	194.6	195.7	196.1	196.4
75°	154.1	150.1	147.6	148.0	148.0	143.9	138.5	135.2	131.6	128.6	128.6
77.5°	94.4	95.1	97.7	97.3	96.9	95.5	90.0	87.1	78.3	75.8	75.8
80°	53.9	55.0	57.6	58.3	58.3	56.5	51.0	47.7	43.7	41.9	41.5
82.5°	32.8	34.3	35.7	36.4	36.8	34.6	29.9	27.3	25.1	23.3	23.3
85°	17.1	17.9	19.3	19.7	18.6	16.4	13.8	12.8	10.6	10.2	10.2
87.5°	4.7	5.1	5.8	4.7	4.4	3.3	1.8	1.5	0.7	0.4	0.4
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)