

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: P630302

Luminaire Tested: GWS-SA1D-735-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630302  
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-SA1D-735-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

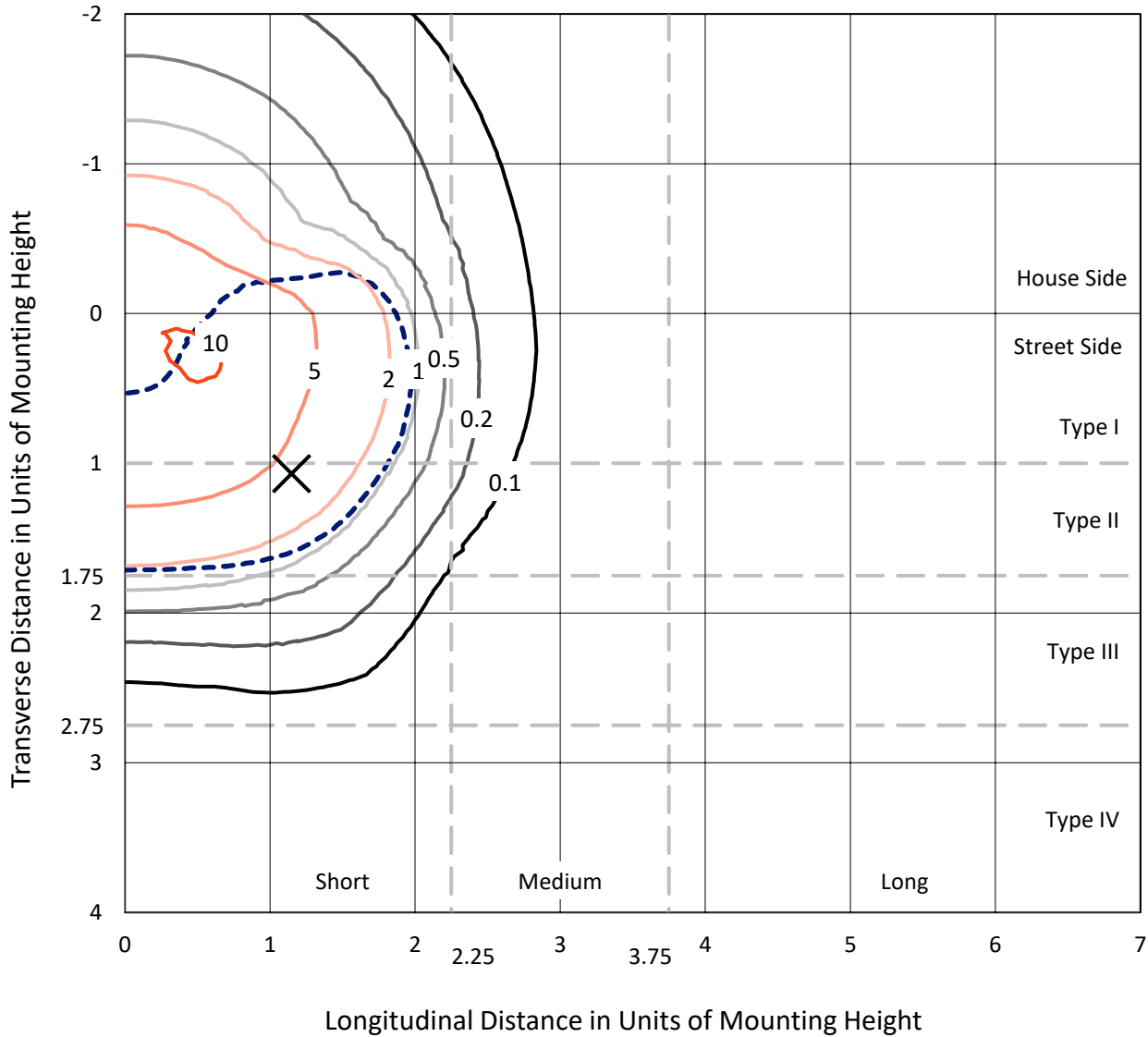
Lumens per Lamp: N/A  
Luminaire Lumens: 5104.5 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

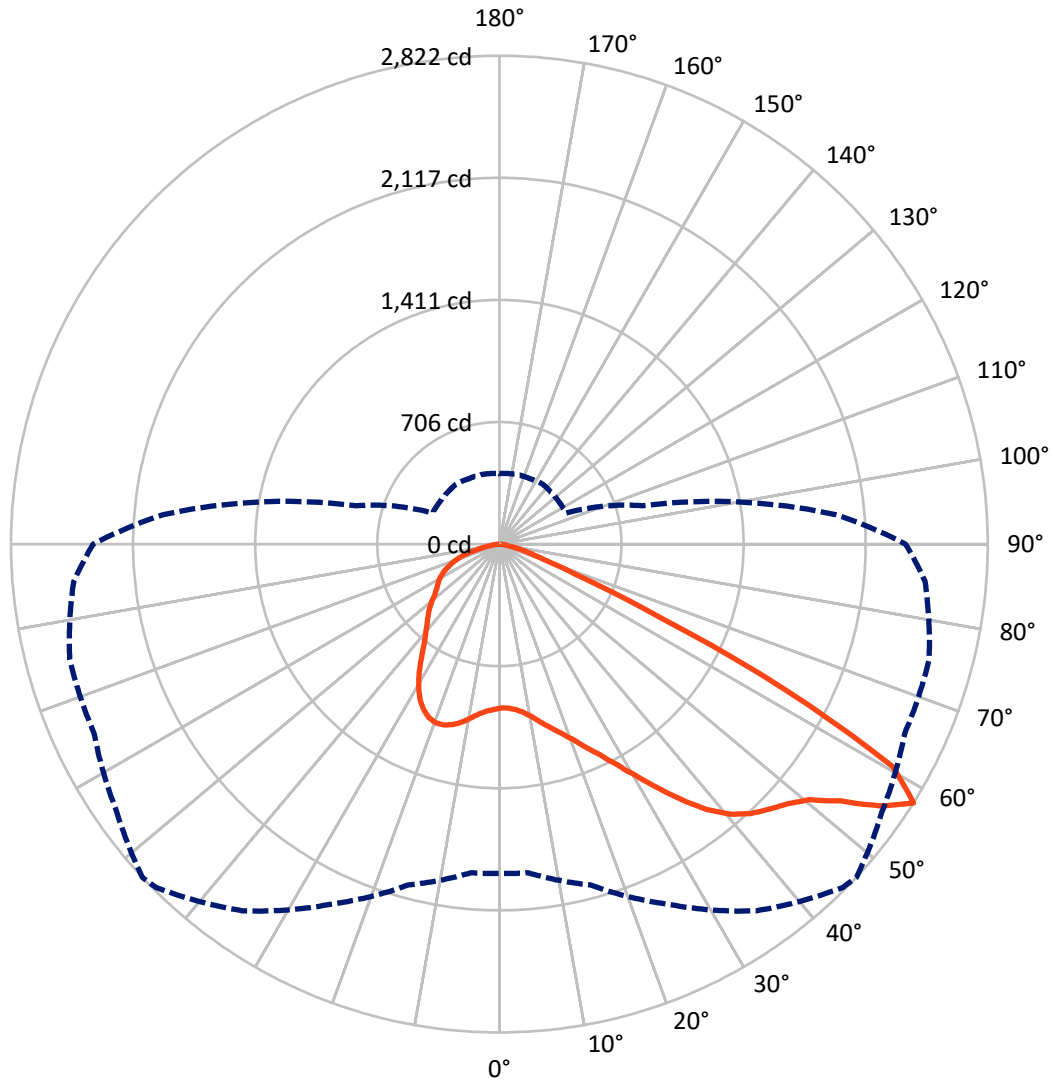
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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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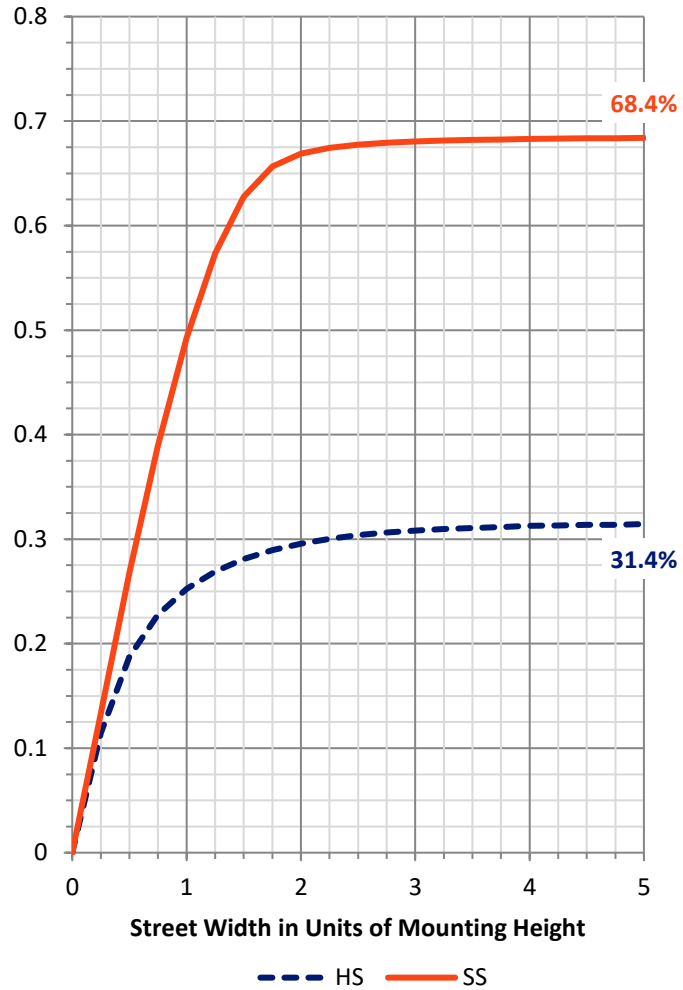
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1615.6	0.0	1615.6
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	3488.9	0.0	3488.9
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	5104.5	0.0	5104.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.4	1.8
10°-20°	307.1	6.0
20°-30°	553.0	10.8
30°-40°	835.2	16.4
40°-50°	1124.7	22.0
50°-60°	1351.4	26.5
60°-70°	658.2	12.9
70°-80°	162.2	3.2
80°-90°	19.5	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°	5104.5	100.0
0°-180°	5104.5	100.0

**Coefficient of Utilization**



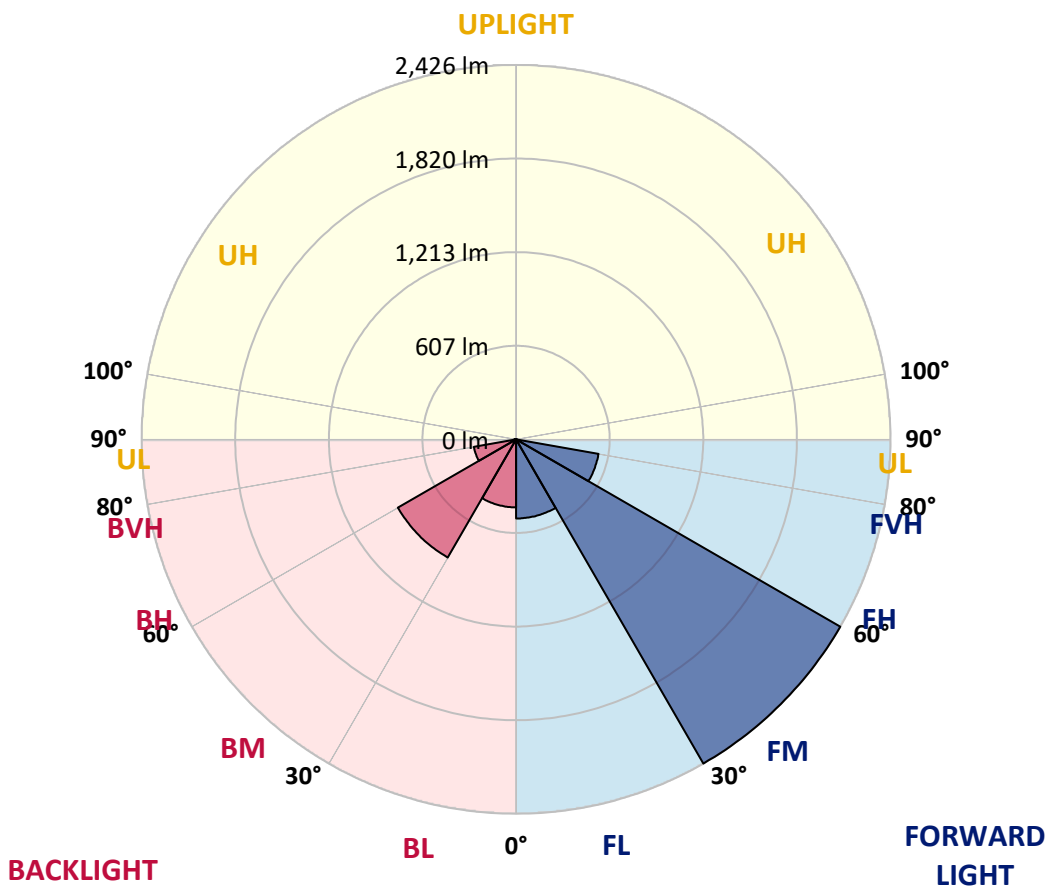
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	512.7	10.0			
FM (30°-60°)	2426.4	47.5			
FH (60°-80°)	542.5	10.6			G0/660
FVH (80°-90°)	7.3	0.1			G0/10
BL (0°-30°)	440.7	8.6	B1/500		
BM (30°-60°)	884.8	17.3	B1/1000		
BH (60°-80°)	277.9	5.4	B1/500		G1/500
BVH (80°-90°)	12.2	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°	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6
2.5°	944.9	944.5	944.5	947.1	947.1	947.9	949.2	950.5	950.9	948.8	944.1
5°	955.2	955.2	955.2	957.4	957.4	958.2	959.9	960.4	959.9	956.5	951.8
7.5°	971.5	971.5	971.9	974.5	976.6	977.9	980.9	980.5	979.2	973.6	967.6
10°	998.1	999.4	1000.7	1003.7	1007.9	1010.9	1013.1	1013.1	1011.4	1002.8	995.1
12.5°	1035.8	1037.5	1038.8	1041.4	1044.8	1050.0	1054.7	1054.7	1052.5	1041.8	1030.2
15°	1080.0	1081.7	1081.3	1082.1	1088.5	1095.8	1099.7	1102.3	1103.1	1088.1	1070.1
17.5°	1130.6	1132.3	1130.6	1128.0	1128.8	1140.4	1147.3	1156.7	1162.3	1142.1	1113.4
20°	1176.4	1174.7	1174.7	1176.4	1179.0	1193.2	1203.4	1218.9	1225.7	1201.3	1156.7
22.5°	1224.9	1228.7	1227.0	1227.0	1237.3	1260.9	1273.3	1293.5	1300.8	1269.0	1209.0
25°	1287.5	1290.9	1290.1	1290.9	1302.9	1336.4	1348.8	1386.1	1393.4	1347.9	1266.9
27.5°	1356.1	1361.6	1364.2	1363.4	1382.7	1426.4	1441.8	1493.7	1507.0	1436.2	1328.6
30°	1445.3	1451.3	1453.4	1452.5	1475.3	1534.9	1552.4	1611.6	1630.5	1540.9	1407.1
32.5°	1548.6	1554.6	1561.0	1563.6	1592.7	1653.6	1678.9	1740.2	1767.2	1661.8	1501.8
35°	1651.0	1656.2	1668.6	1688.8	1728.6	1790.8	1813.1	1873.6	1899.7	1787.4	1616.3
37.5°	1764.2	1767.7	1778.4	1806.2	1863.7	1922.9	1945.2	2003.0	2006.0	1908.7	1745.8
40°	1888.1	1888.1	1886.0	1913.4	1973.4	2033.0	2052.3	2085.8	2068.2	2002.2	1871.8
42.5°	1993.2	1991.5	1993.2	2018.9	2063.5	2111.9	2128.6	2122.2	2099.9	2073.8	1985.9
45°	2087.9	2089.2	2104.6	2124.4	2147.5	2176.2	2186.1	2149.7	2129.5	2131.2	2077.2
47.5°	2152.2	2153.5	2189.5	2222.5	2236.7	2245.7	2241.4	2190.8	2180.5	2199.8	2147.5
50°	2160.8	2167.7	2229.8	2297.6	2332.7	2334.0	2322.0	2260.3	2257.3	2279.1	2185.2
52.5°	2162.5	2169.4	2247.0	2369.2	2460.5	2479.8	2466.1	2401.7	2370.5	2348.6	2231.5
55°	2156.1	2163.8	2249.5	2417.2	2592.1	2669.3	2670.6	2579.7	2479.8	2465.2	2363.6
57.5°	1903.6	1906.6	2039.5	2295.0	2587.0	2805.6	2822.3	2698.9	2584.8	2571.1	2469.5
60°	1326.1	1338.1	1482.5	1820.0	2173.2	2558.7	2612.7	2576.7	2500.4	2400.5	2118.8
62.5°	664.1	674.4	819.3	1138.3	1498.8	1803.2	1861.1	1899.3	1917.3	1810.1	1442.7
65°	286.0	293.7	383.7	594.6	848.5	995.5	1015.7	1061.5	1173.9	1047.4	777.3
67.5°	191.2	196.4	242.2	362.7	499.9	509.3	506.3	516.2	540.6	446.3	351.1
70°	146.6	150.9	181.8	265.8	359.3	307.4	291.1	264.1	286.8	292.4	284.7
72.5°	106.3	109.8	132.9	181.4	225.1	196.4	193.8	207.5	238.4	246.9	242.2
75°	68.6	70.3	84.5	99.5	116.2	126.0	131.2	156.1	187.4	193.8	188.2
77.5°	45.9	47.2	55.3	63.9	66.0	66.5	68.2	79.3	100.8	112.8	111.5
80°	24.0	24.0	27.0	27.0	30.9	36.9	38.6	45.9	55.7	61.7	62.2
82.5°	9.4	9.9	11.6	12.9	15.4	18.9	20.2	24.0	29.2	33.4	37.3
85°	3.9	4.3	4.7	5.6	6.9	8.6	9.0	10.3	13.7	17.1	19.3
87.5°	0.0	0.0	0.4	0.4	0.9	1.3	1.3	1.7	2.1	3.9	5.1
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°	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6
2.5°	949.6	944.1	949.6	951.4	956.1	957.8	954.8	954.4	954.4	950.1	948.8
5°	956.1	950.9	956.5	959.1	965.9	970.2	971.1	974.5	976.6	974.9	974.5
7.5°	971.9	965.5	971.5	975.4	984.4	991.2	994.2	1001.9	1007.5	1006.7	1006.2
10°	999.8	991.2	998.1	1004.5	1014.4	1022.5	1023.0	1027.2	1032.8	1031.1	1030.2
12.5°	1032.0	1023.8	1031.5	1038.0	1049.5	1053.0	1047.4	1045.7	1046.5	1044.4	1042.7
15°	1071.4	1059.8	1066.7	1074.0	1080.4	1076.5	1064.5	1059.8	1059.4	1056.4	1054.7
17.5°	1110.8	1096.3	1101.4	1105.3	1102.3	1090.3	1075.3	1067.1	1063.3	1057.2	1055.5
20°	1149.9	1131.4	1130.6	1127.6	1113.8	1092.0	1071.8	1055.5	1045.7	1037.5	1034.5
22.5°	1194.4	1168.7	1155.9	1142.1	1112.1	1076.5	1046.1	1023.0	1007.1	996.8	993.4
25°	1242.5	1206.0	1179.4	1152.0	1095.0	1043.5	1001.1	969.4	950.5	939.3	935.5
27.5°	1290.1	1239.9	1200.0	1153.3	1060.7	995.9	938.9	896.0	877.2	868.2	865.2
30°	1354.4	1284.9	1224.5	1136.6	1015.7	929.9	858.7	815.4	803.0	796.6	794.0
32.5°	1428.5	1341.9	1257.0	1101.4	958.2	852.7	777.7	747.7	739.1	726.7	726.3
35°	1526.3	1423.4	1287.9	1049.5	885.8	770.0	715.6	694.1	678.7	659.0	657.2
37.5°	1640.3	1525.0	1304.6	983.5	801.3	701.8	669.2	645.2	620.4	594.2	590.8
40°	1758.2	1643.8	1305.9	905.5	718.6	656.8	629.4	598.1	567.2	538.1	534.2
42.5°	1882.1	1754.4	1283.2	815.4	650.8	617.8	589.9	550.5	515.8	496.0	493.9
45°	1992.7	1843.5	1231.7	720.7	600.7	585.2	549.6	507.2	488.8	474.6	471.6
47.5°	2079.8	1902.7	1162.3	635.8	559.9	551.8	505.5	483.6	469.5	456.6	453.6
50°	2122.6	1916.0	1071.8	566.8	522.2	512.3	480.6	463.9	454.5	444.2	441.6
52.5°	2175.8	1931.0	993.8	508.9	485.3	472.0	460.0	446.7	439.9	433.4	431.3
55°	2298.0	1987.6	952.6	462.6	450.2	444.2	442.4	431.3	429.2	424.9	421.0
57.5°	2347.7	1951.2	855.3	424.9	422.3	423.2	427.4	417.2	415.0	409.9	407.3
60°	1888.1	1474.8	579.2	392.3	399.1	404.7	409.0	398.7	395.7	394.9	391.4
62.5°	1209.9	907.2	404.3	361.8	372.1	379.0	381.6	371.7	369.6	376.4	376.9
65°	629.8	494.3	328.0	329.3	337.8	348.1	353.3	349.8	349.0	356.3	356.7
67.5°	321.5	302.3	286.0	290.7	297.5	310.8	322.8	337.8	343.0	343.8	344.3
70°	274.0	265.4	257.2	260.2	267.5	274.8	286.4	293.7	285.1	283.0	282.1
72.5°	233.2	226.8	222.9	226.4	230.2	228.9	225.5	228.9	230.2	230.7	231.1
75°	181.4	176.6	173.6	174.1	174.1	169.3	162.9	159.1	154.8	151.3	151.3
77.5°	111.0	111.9	114.9	114.5	114.0	112.3	105.9	102.5	92.2	89.2	89.2
80°	63.5	64.7	67.7	68.6	68.6	66.5	60.0	56.2	51.4	49.3	48.9
82.5°	38.6	40.3	42.0	42.9	43.3	40.7	35.2	32.2	29.6	27.4	27.4
85°	20.2	21.0	22.7	23.2	21.9	19.3	16.3	15.0	12.4	12.0	12.0
87.5°	5.6	6.0	6.9	5.6	5.1	3.9	2.1	1.7	0.9	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)