

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: P630632

Luminaire Tested: GWS-SA1E-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630632  
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-SA1E-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

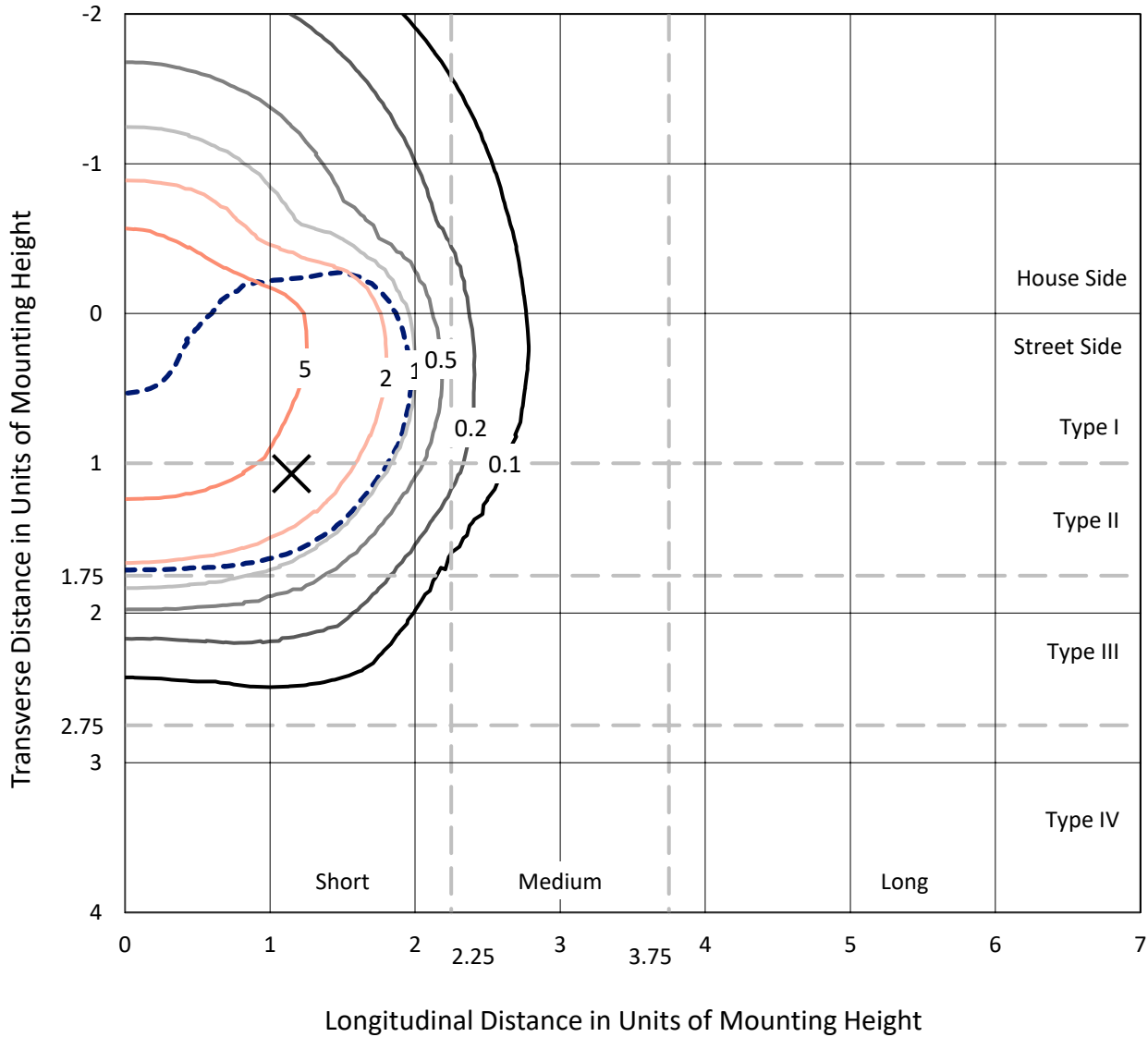
Lumens per Lamp: N/A  
Luminaire Lumens: 4764 lumens  
Efficiency: N/A  
Efficacy: 81.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

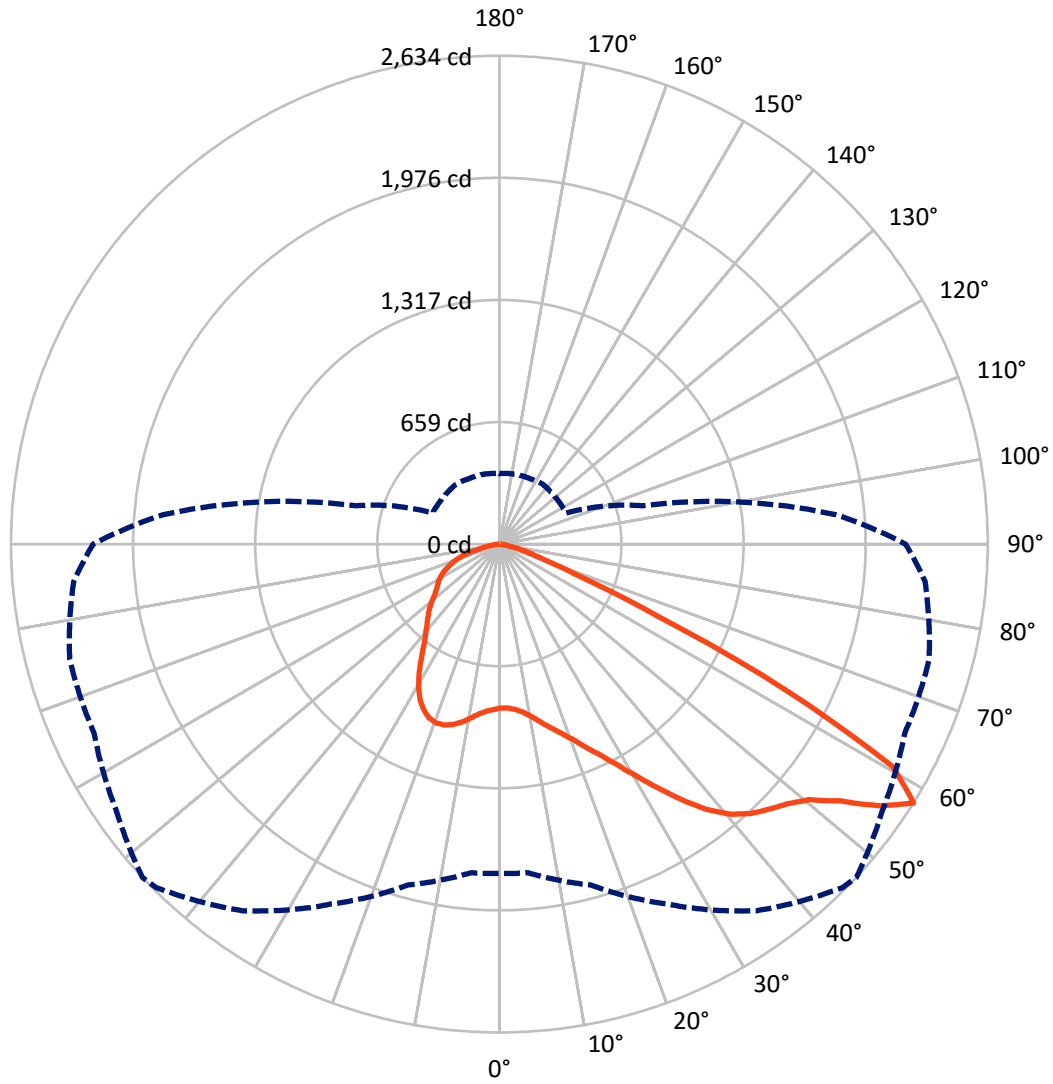
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 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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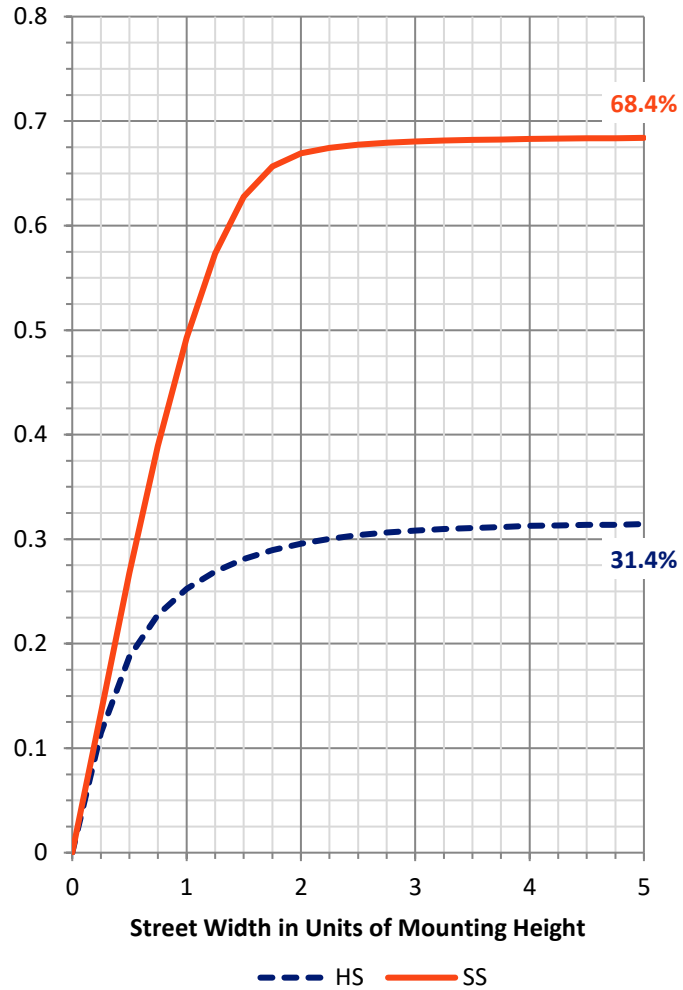
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1507.8	0.0	1507.8
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	3256.2	0.0	3256.2
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	4764.0	0.0	4764.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.1	1.8
10°-20°	286.6	6.0
20°-30°	516.1	10.8
30°-40°	779.5	16.4
40°-50°	1049.6	22.0
50°-60°	1261.3	26.5
60°-70°	614.3	12.9
70°-80°	151.3	3.2
80°-90°	18.2	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°	4764.0	100.0
0°-180°	4764.0	100.0

**Coefficient of Utilization**



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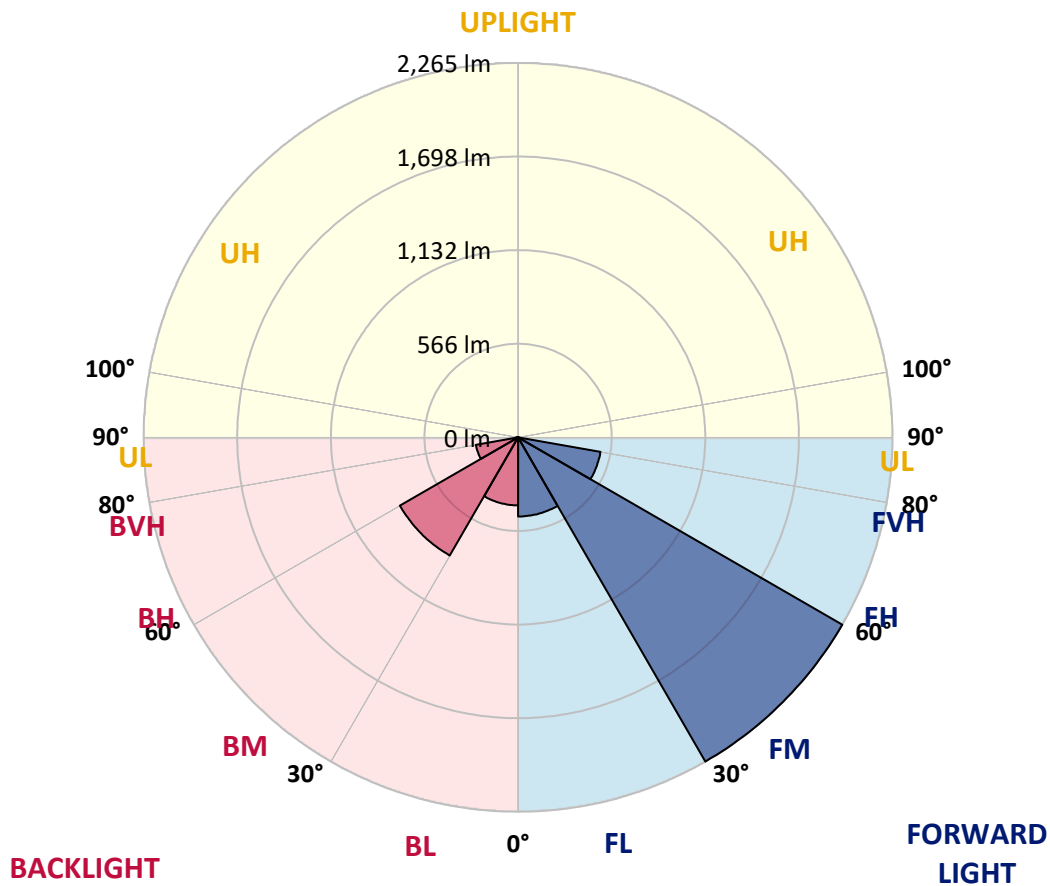
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	478.5	10.0			
FM (30°-60°)	2264.6	47.5			
FH (60°-80°)	506.3	10.6			G0/660
FVH (80°-90°)	6.8	0.1			G0/10
BL (0°-30°)	411.3	8.6	B1/500		
BM (30°-60°)	825.8	17.3	B1/1000		
BH (60°-80°)	259.3	5.4	B1/500		G1/500
BVH (80°-90°)	11.3	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°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	881.9	881.5	881.5	883.9	883.9	884.7	885.9	887.1	887.5	885.5	881.1
5°	891.5	891.5	891.5	893.5	893.5	894.3	895.9	896.3	895.9	892.7	888.3
7.5°	906.7	906.7	907.1	909.5	911.5	912.7	915.5	915.1	913.9	908.7	903.1
10°	931.5	932.7	933.9	936.7	940.7	943.5	945.5	945.5	943.9	935.9	928.7
12.5°	966.7	968.3	969.5	971.9	975.1	979.9	984.3	984.3	982.3	972.3	961.5
15°	1007.9	1009.5	1009.1	1009.9	1015.9	1022.7	1026.3	1028.7	1029.5	1015.5	998.7
17.5°	1055.1	1056.7	1055.1	1052.7	1053.5	1064.4	1070.8	1079.6	1084.8	1066.0	1039.1
20°	1098.0	1096.4	1096.4	1098.0	1100.4	1113.6	1123.2	1137.6	1144.0	1121.2	1079.6
22.5°	1143.2	1146.8	1145.2	1145.2	1154.8	1176.8	1188.4	1207.2	1214.0	1184.4	1128.4
25°	1201.6	1204.8	1204.0	1204.8	1216.0	1247.2	1258.8	1293.6	1300.4	1258.0	1182.4
27.5°	1265.6	1270.8	1273.2	1272.4	1290.4	1331.2	1345.6	1394.1	1406.5	1340.4	1240.0
30°	1348.8	1354.4	1356.4	1355.6	1376.9	1432.5	1448.9	1504.1	1521.7	1438.1	1313.2
32.5°	1445.3	1450.9	1456.9	1459.3	1486.5	1543.3	1566.9	1624.1	1649.3	1550.9	1401.7
35°	1540.9	1545.7	1557.3	1576.1	1613.3	1671.3	1692.2	1748.6	1773.0	1668.1	1508.5
37.5°	1646.5	1649.7	1659.7	1685.8	1739.4	1794.6	1815.4	1869.4	1872.2	1781.4	1629.3
40°	1762.2	1762.2	1760.2	1785.8	1841.8	1897.4	1915.4	1946.6	1930.2	1868.6	1747.0
42.5°	1860.2	1858.6	1860.2	1884.2	1925.8	1971.0	1986.7	1980.7	1959.8	1935.4	1853.4
45°	1948.6	1949.8	1964.2	1982.7	2004.3	2031.1	2040.3	2006.3	1987.5	1989.1	1938.6
47.5°	2008.7	2009.9	2043.5	2074.3	2087.5	2095.9	2091.9	2044.7	2035.1	2053.1	2004.3
50°	2016.7	2023.1	2081.1	2144.3	2177.1	2178.3	2167.1	2109.5	2106.7	2127.1	2039.5
52.5°	2018.3	2024.7	2097.1	2211.1	2296.4	2314.4	2301.6	2241.5	2212.3	2191.9	2082.7
55°	2012.3	2019.5	2099.5	2255.9	2419.2	2491.2	2492.4	2407.6	2314.4	2300.8	2205.9
57.5°	1776.6	1779.4	1903.4	2141.9	2414.4	2618.5	2634.1	2518.8	2412.4	2399.6	2304.8
60°	1237.6	1248.8	1383.7	1698.6	2028.3	2388.0	2438.4	2404.8	2333.6	2240.3	1977.5
62.5°	619.8	629.4	764.7	1062.3	1398.9	1683.0	1737.0	1772.6	1789.4	1689.4	1346.4
65°	266.9	274.1	358.1	555.0	791.9	929.1	947.9	990.7	1095.6	977.5	725.4
67.5°	178.5	183.3	226.1	338.5	466.6	475.4	472.6	481.8	504.6	416.5	327.7
70°	136.8	140.8	169.7	248.1	335.3	286.9	271.7	246.5	267.7	272.9	265.7
72.5°	99.2	102.4	124.0	169.3	210.1	183.3	180.9	193.7	222.5	230.5	226.1
75°	64.0	65.6	78.8	92.8	108.4	117.6	122.4	145.6	174.9	180.9	175.7
77.5°	42.8	44.0	51.6	59.6	61.6	62.0	63.6	74.0	94.0	105.2	104.0
80°	22.4	22.4	25.2	25.2	28.8	34.4	36.0	42.8	52.0	57.6	58.0
82.5°	8.8	9.2	10.8	12.0	14.4	17.6	18.8	22.4	27.2	31.2	34.8
85°	3.6	4.0	4.4	5.2	6.4	8.0	8.4	9.6	12.8	16.0	18.0
87.5°	0.0	0.0	0.4	0.4	0.8	1.2	1.2	1.6	2.0	3.6	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	886.3	881.1	886.3	887.9	892.3	893.9	891.1	890.7	890.7	886.7	885.5
5°	892.3	887.5	892.7	895.1	901.5	905.5	906.3	909.5	911.5	909.9	909.5
7.5°	907.1	901.1	906.7	910.3	918.7	925.1	927.9	935.1	940.3	939.5	939.1
10°	933.1	925.1	931.5	937.5	946.7	954.3	954.7	958.7	963.9	962.3	961.5
12.5°	963.1	955.5	962.7	968.7	979.5	982.7	977.5	975.9	976.7	974.7	973.1
15°	999.9	989.1	995.5	1002.3	1008.3	1004.7	993.5	989.1	988.7	985.9	984.3
17.5°	1036.7	1023.1	1027.9	1031.5	1028.7	1017.5	1003.5	995.9	992.3	986.7	985.1
20°	1073.2	1055.9	1055.1	1052.3	1039.5	1019.1	1000.3	985.1	975.9	968.3	965.5
22.5°	1114.8	1090.8	1078.8	1066.0	1037.9	1004.7	976.3	954.7	939.9	930.3	927.1
25°	1159.6	1125.6	1100.8	1075.2	1021.9	973.9	934.3	904.7	887.1	876.7	873.1
27.5°	1204.0	1157.2	1120.0	1076.4	989.9	929.5	876.3	836.3	818.7	810.3	807.5
30°	1264.0	1199.2	1142.8	1060.7	947.9	867.9	801.5	761.1	749.4	743.4	741.0
32.5°	1333.2	1252.4	1173.2	1027.9	894.3	795.9	725.8	697.8	689.8	678.2	677.8
35°	1424.5	1328.4	1202.0	979.5	826.7	718.6	667.8	647.8	633.4	615.0	613.4
37.5°	1530.9	1423.3	1217.6	917.9	747.8	655.0	624.6	602.2	579.0	554.6	551.4
40°	1640.9	1534.1	1218.8	845.1	670.6	613.0	587.4	558.2	529.4	502.2	498.6
42.5°	1756.6	1637.3	1197.6	761.1	607.4	576.6	550.6	513.8	481.4	463.0	461.0
45°	1859.8	1720.6	1149.6	672.6	560.6	546.2	513.0	473.4	456.2	442.9	440.1
47.5°	1941.0	1775.8	1084.8	593.4	522.6	515.0	471.8	451.3	438.1	426.1	423.3
50°	1981.1	1788.2	1000.3	529.0	487.4	478.2	448.5	432.9	424.1	414.5	412.1
52.5°	2030.7	1802.2	927.5	475.0	452.9	440.5	429.3	416.9	410.5	404.5	402.5
55°	2144.7	1855.0	889.1	431.7	420.1	414.5	412.9	402.5	400.5	396.5	392.9
57.5°	2191.1	1821.0	798.3	396.5	394.1	394.9	398.9	389.3	387.3	382.5	380.1
60°	1762.2	1376.5	540.6	366.1	372.5	377.7	381.7	372.1	369.3	368.5	365.3
62.5°	1129.2	846.7	377.3	337.7	347.3	353.7	356.1	346.9	344.9	351.3	351.7
65°	587.8	461.4	306.1	307.3	315.3	324.9	329.7	326.5	325.7	332.5	332.9
67.5°	300.1	282.1	266.9	271.3	277.7	290.1	301.3	315.3	320.1	320.9	321.3
70°	255.7	247.7	240.1	242.9	249.7	256.5	267.3	274.1	266.1	264.1	263.3
72.5°	217.7	211.7	208.1	211.3	214.9	213.7	210.5	213.7	214.9	215.3	215.7
75°	169.3	164.9	162.1	162.5	162.5	158.1	152.1	148.4	144.4	141.2	141.2
77.5°	103.6	104.4	107.2	106.8	106.4	104.8	98.8	95.6	86.0	83.2	83.2
80°	59.2	60.4	63.2	64.0	64.0	62.0	56.0	52.4	48.0	46.0	45.6
82.5°	36.0	37.6	39.2	40.0	40.4	38.0	32.8	30.0	27.6	25.6	25.6
85°	18.8	19.6	21.2	21.6	20.4	18.0	15.2	14.0	11.6	11.2	11.2
87.5°	5.2	5.6	6.4	5.2	4.8	3.6	2.0	1.6	0.8	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)