

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: P630141

Luminaire Tested: GWS-SA1D-722-U-T3R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630141  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-722-U-T3R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

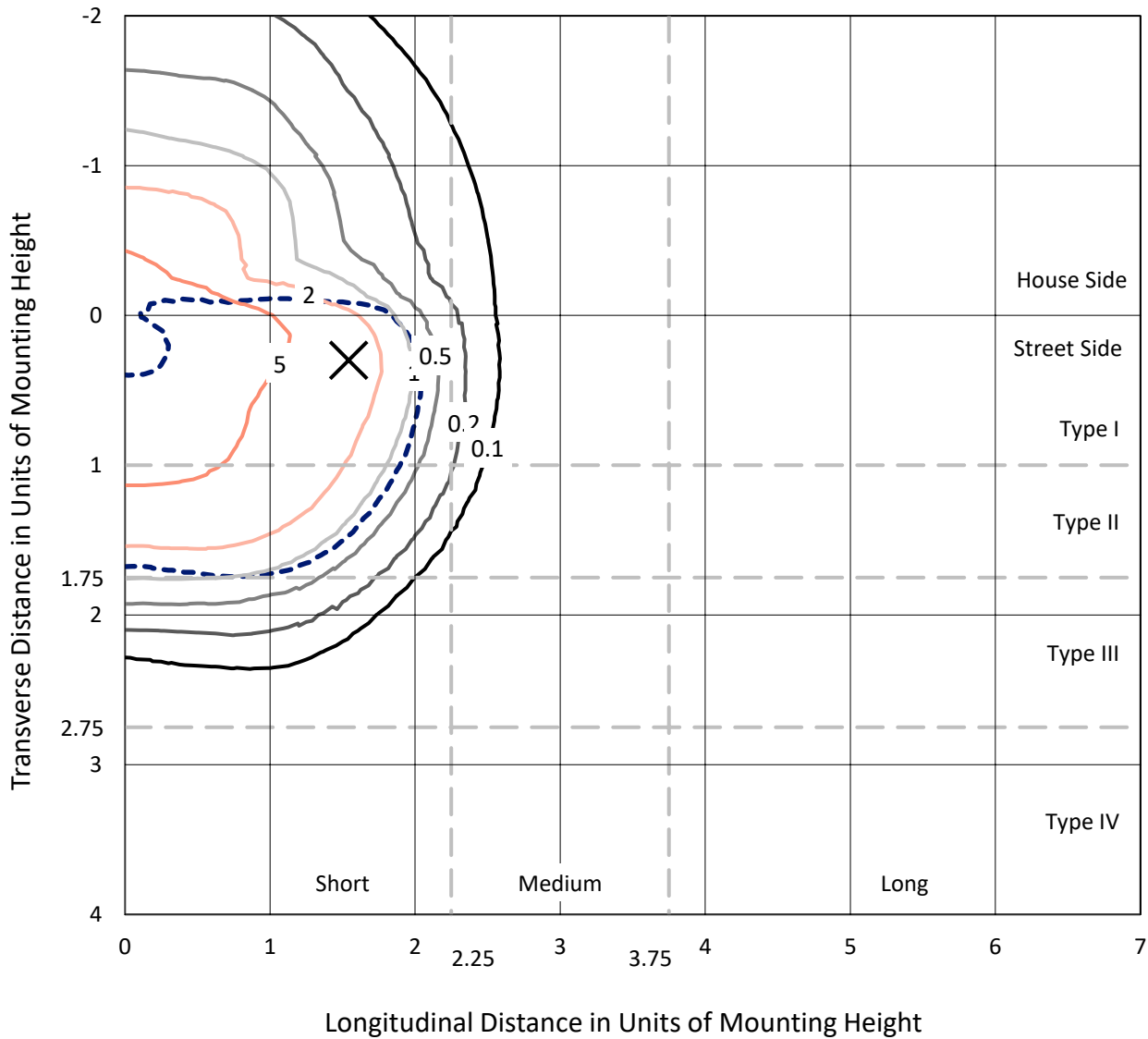
Lumens per Lamp: N/A  
Luminaire Lumens: 3916 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

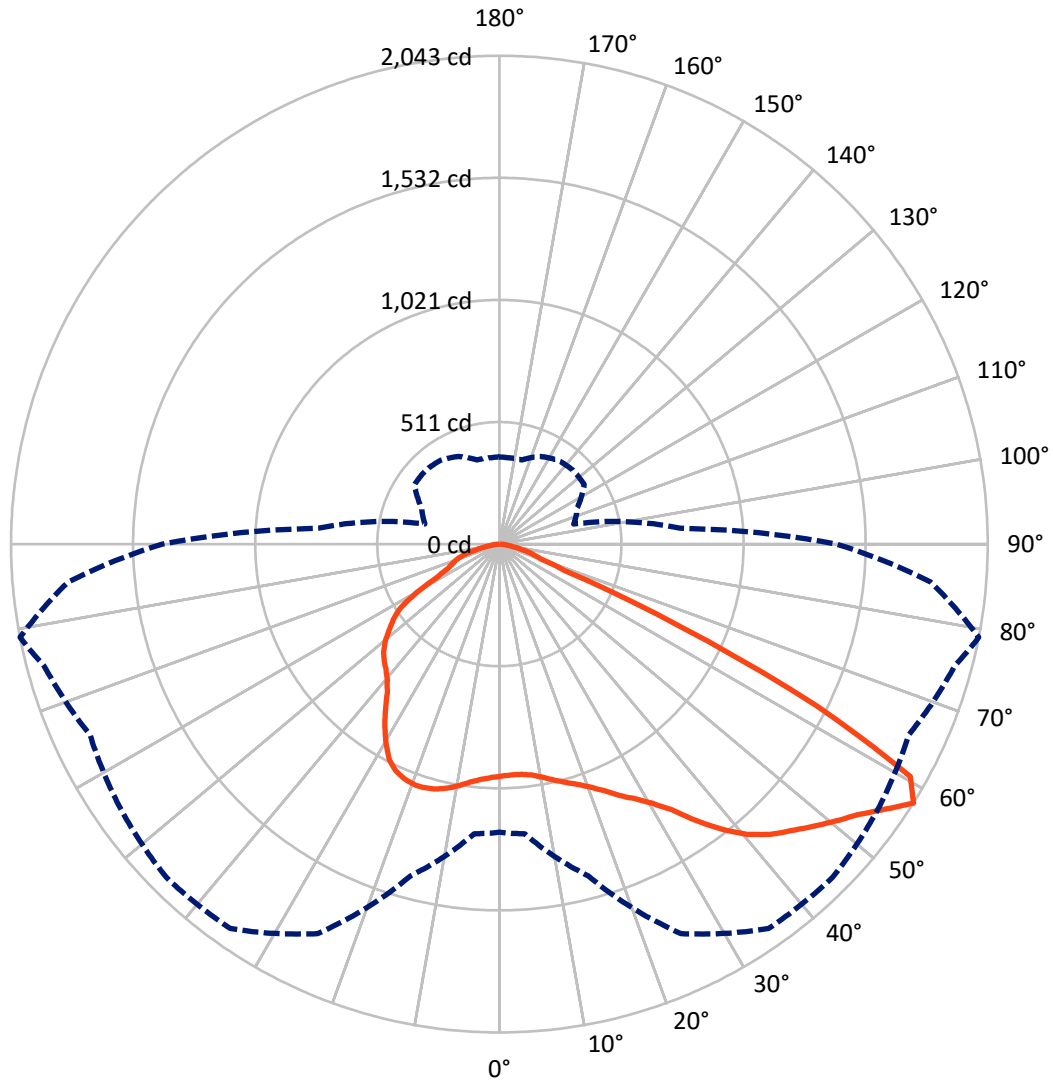
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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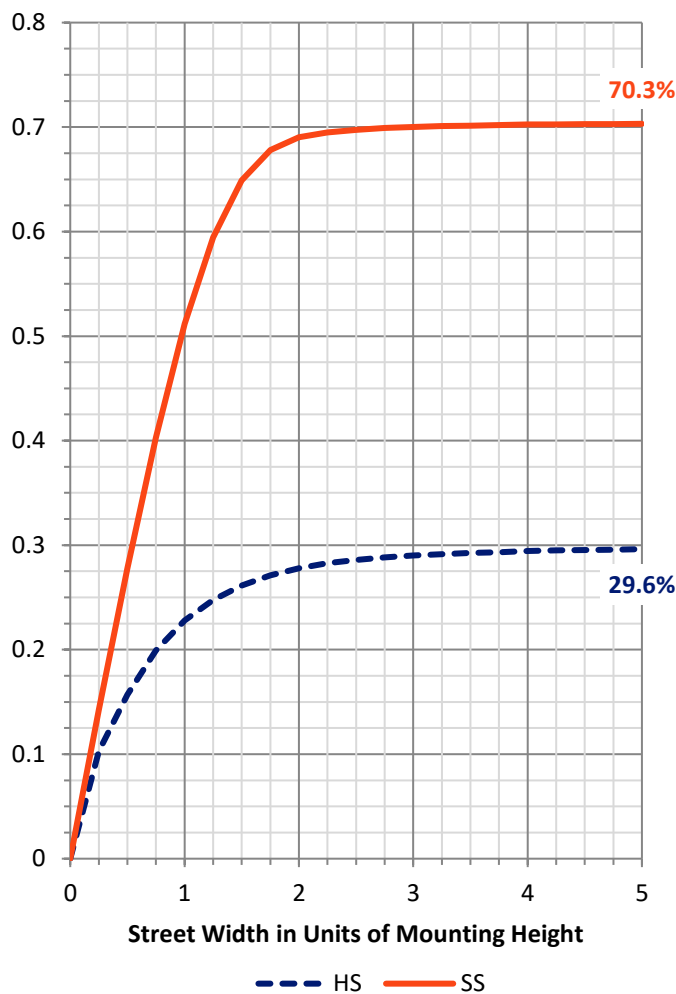
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1164.0	0.0	1164.0
	% Fixture	29.7	0.0	29.7
<b>Street Side</b>	Lumens	2751.9	0.0	2751.9
	% Fixture	70.3	0.0	70.3
<b>Total</b>	Lumens	3916.0	0.0	3916.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.9	2.3
10°-20°	249.8	6.4
20°-30°	423.4	10.8
30°-40°	648.0	16.5
40°-50°	864.0	22.1
50°-60°	997.9	25.5
60°-70°	518.5	13.2
70°-80°	110.2	2.8
80°-90°	14.3	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°	3916.0	100.0
0°-180°	3916.0	100.0

**Coefficient of Utilization**



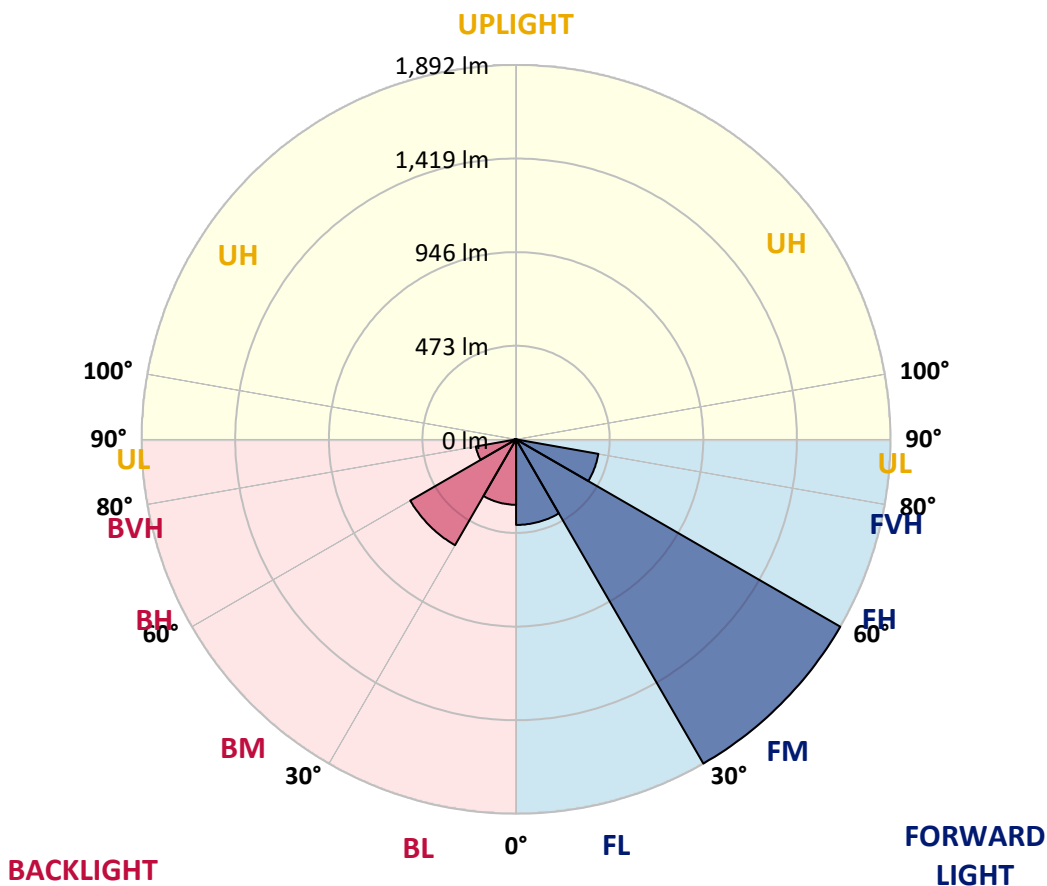
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	432.4	11.0			
FM (30°-60°)	1892.3	48.3			
FH (60°-80°)	422.2	10.8			G0/660
FVH (80°-90°)	5.0	0.1			G0/10
BL (0°-30°)	330.6	8.4	B1/500		
BM (30°-60°)	617.6	15.8	B1/1000		
BH (60°-80°)	206.5	5.3	B1/500		G1/500
BVH (80°-90°)	9.3	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5
2.5°	926.3	924.4	925.0	927.6	937.2	944.2	951.6	958.3	964.7	966.6	968.2
5°	893.3	889.8	890.7	894.9	906.1	918.0	931.1	947.1	962.5	967.6	974.3
7.5°	869.9	869.3	870.9	877.3	889.1	900.4	917.3	940.1	966.6	975.3	987.1
10°	838.9	837.6	844.0	857.1	876.7	894.6	914.8	941.7	978.8	991.6	1009.9
12.5°	814.2	813.6	820.3	838.6	863.5	892.0	919.9	950.0	995.1	1012.7	1035.2
15°	828.6	825.8	826.1	838.9	861.3	894.9	932.7	965.0	1011.5	1033.9	1062.7
17.5°	870.6	865.5	861.6	863.9	876.7	911.6	952.2	985.2	1030.3	1056.6	1091.8
20°	928.5	925.6	915.1	908.0	910.9	941.7	983.0	1013.7	1055.0	1084.5	1122.2
22.5°	1006.3	999.3	984.9	973.7	965.0	989.0	1027.1	1053.7	1089.3	1120.0	1159.4
25°	1102.7	1092.5	1069.7	1052.1	1033.6	1058.2	1092.1	1112.3	1136.3	1164.8	1202.3
27.5°	1201.0	1192.4	1167.1	1143.4	1120.3	1135.7	1176.0	1187.6	1185.0	1205.8	1237.8
30°	1305.7	1294.8	1270.8	1245.2	1215.4	1225.3	1261.5	1267.3	1240.1	1257.4	1279.1
32.5°	1416.2	1405.6	1384.8	1355.0	1321.4	1325.2	1335.2	1340.6	1314.7	1324.6	1341.2
35°	1528.6	1518.6	1497.5	1468.0	1443.4	1420.0	1395.0	1416.8	1401.8	1421.0	1419.7
37.5°	1631.3	1621.4	1608.3	1585.5	1543.3	1497.2	1439.5	1466.4	1489.8	1514.1	1510.0
40°	1700.8	1694.1	1697.3	1693.8	1639.3	1548.1	1461.3	1490.8	1554.5	1596.1	1593.9
42.5°	1760.7	1754.0	1772.5	1786.0	1721.9	1595.2	1471.9	1500.1	1595.8	1660.8	1657.6
45°	1787.3	1785.3	1816.1	1858.7	1797.5	1645.1	1499.1	1519.3	1627.2	1710.4	1698.3
47.5°	1755.6	1762.3	1822.8	1894.8	1860.3	1704.3	1554.8	1559.9	1668.2	1764.2	1729.9
50°	1692.5	1707.2	1788.9	1895.8	1906.1	1771.3	1632.0	1619.2	1723.2	1821.5	1746.6
52.5°	1600.6	1616.0	1749.2	1888.4	1932.3	1848.7	1734.8	1716.5	1792.7	1878.8	1749.5
55°	1389.6	1410.4	1658.2	1871.8	1957.9	1919.2	1850.7	1813.5	1882.4	1957.6	1778.0
57.5°	1205.5	1216.4	1436.7	1797.8	1963.0	1971.0	1933.3	1889.1	1971.4	2042.8	1810.0
60°	884.7	887.2	1085.4	1487.6	1805.8	1941.0	1926.5	1860.9	1929.1	1974.6	1663.4
62.5°	499.8	500.1	658.3	992.9	1348.9	1582.0	1591.0	1533.0	1475.7	1489.2	1157.8
65°	187.6	205.2	300.7	488.0	777.7	934.0	971.1	984.6	889.1	829.9	620.8
67.5°	125.5	129.7	175.5	251.0	346.1	399.6	447.0	448.3	327.9	292.3	244.6
70°	95.7	99.9	138.0	179.6	175.5	162.0	175.1	170.3	176.1	180.9	186.0
72.5°	71.4	75.6	106.9	126.8	105.3	103.7	117.5	130.6	142.8	147.9	155.9
75°	47.4	50.6	72.0	67.9	58.3	68.8	85.8	98.9	106.0	112.1	118.1
77.5°	30.1	32.3	38.4	31.1	32.3	40.3	49.9	61.8	68.5	74.6	77.8
80°	13.8	13.4	13.1	14.7	18.3	23.7	30.1	37.1	42.3	44.8	46.7
82.5°	5.4	6.1	6.7	8.0	9.9	12.8	17.0	21.8	25.9	26.6	28.2
85°	2.2	2.6	2.9	3.5	4.5	5.8	7.0	9.9	12.5	13.4	14.4
87.5°	0.0	0.0	0.0	0.0	0.3	0.6	1.0	1.6	2.9	3.2	3.5
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°	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5	970.5
2.5°	976.9	972.7	979.8	984.6	989.0	984.2	982.6	978.5	977.8	977.8	980.1
5°	985.8	983.0	990.3	993.2	992.9	982.3	975.9	967.6	963.4	963.4	964.1
7.5°	1001.9	1000.3	1004.4	999.9	989.7	968.2	947.1	929.5	917.6	911.6	913.5
10°	1028.4	1026.5	1023.0	1006.3	976.9	932.4	889.1	857.1	837.9	827.0	827.7
12.5°	1054.4	1051.2	1038.7	1001.9	941.3	870.6	813.9	778.0	756.9	744.1	741.2
15°	1082.9	1074.5	1047.6	978.8	883.4	795.0	735.8	697.0	674.3	666.6	666.3
17.5°	1110.1	1095.3	1046.7	937.8	813.9	715.9	656.4	632.4	628.5	632.0	633.0
20°	1137.6	1113.9	1036.1	881.1	731.3	637.2	606.4	616.4	630.8	640.4	642.6
22.5°	1166.1	1129.3	1012.1	808.1	644.2	584.0	596.8	618.6	636.5	649.3	650.6
25°	1198.1	1143.7	976.2	718.8	574.4	569.3	594.6	617.6	636.8	651.6	654.1
27.5°	1216.4	1144.0	926.0	626.9	542.4	563.5	589.1	610.9	630.1	646.1	649.0
30°	1234.3	1135.4	846.2	552.3	533.1	556.8	579.9	600.0	618.3	634.0	637.5
32.5°	1259.6	1127.4	754.4	509.4	527.7	550.4	569.3	587.2	601.3	608.3	610.3
35°	1291.0	1117.1	656.7	490.8	524.1	545.3	561.9	571.5	553.3	549.4	553.6
37.5°	1334.8	1107.5	559.4	482.8	521.9	543.4	558.1	533.4	511.0	502.0	505.2
40°	1382.2	1102.1	493.4	476.4	522.9	545.3	542.1	505.6	473.2	454.3	453.7
42.5°	1422.6	1093.7	451.1	472.3	525.4	552.6	520.3	480.9	432.9	421.7	422.0
45°	1449.8	1072.6	428.7	467.8	527.7	554.2	510.1	447.0	412.7	405.7	405.4
47.5°	1461.0	1034.2	414.3	460.7	527.3	541.1	489.2	432.9	398.6	396.7	398.0
50°	1453.6	971.1	399.6	447.0	519.7	527.3	465.2	420.4	389.0	399.6	407.3
52.5°	1426.4	889.5	382.0	428.1	505.9	511.7	453.1	412.7	382.0	396.1	402.2
55°	1419.4	823.2	359.6	403.4	485.4	483.8	440.3	408.9	377.2	371.7	372.7
57.5°	1410.1	758.5	322.4	359.2	433.5	436.1	428.1	404.4	364.7	363.1	364.7
60°	1225.0	581.5	287.5	309.9	356.0	369.8	414.3	396.1	344.5	337.8	337.5
62.5°	800.1	352.2	255.8	270.2	290.1	306.1	377.8	372.1	322.4	318.3	321.1
65°	430.3	251.0	232.8	241.4	252.3	264.5	313.1	331.4	291.4	276.6	277.0
67.5°	220.0	213.6	215.5	221.6	229.9	236.0	252.6	268.6	248.5	236.0	235.7
70°	188.3	193.4	196.3	199.8	205.2	204.3	205.9	208.8	207.2	201.1	200.8
72.5°	160.4	168.4	169.1	169.7	171.6	167.1	164.3	159.5	159.8	160.7	161.1
75°	122.0	129.7	131.6	130.6	132.6	126.8	123.0	118.1	112.4	111.4	112.1
77.5°	79.4	85.5	88.4	87.7	88.7	84.2	82.3	77.2	70.4	67.9	67.9
80°	48.0	51.5	53.8	54.4	55.4	52.2	49.0	44.5	41.6	38.7	38.7
82.5°	29.1	31.4	33.0	33.0	33.9	30.4	27.9	24.7	23.4	20.8	20.8
85°	14.7	16.3	17.0	16.6	16.0	13.1	12.2	10.6	9.9	8.6	8.6
87.5°	3.5	4.5	4.5	3.2	3.2	1.6	1.0	0.3	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)