

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: P630604

Luminaire Tested: GWS-SA1E-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630604  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-722-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

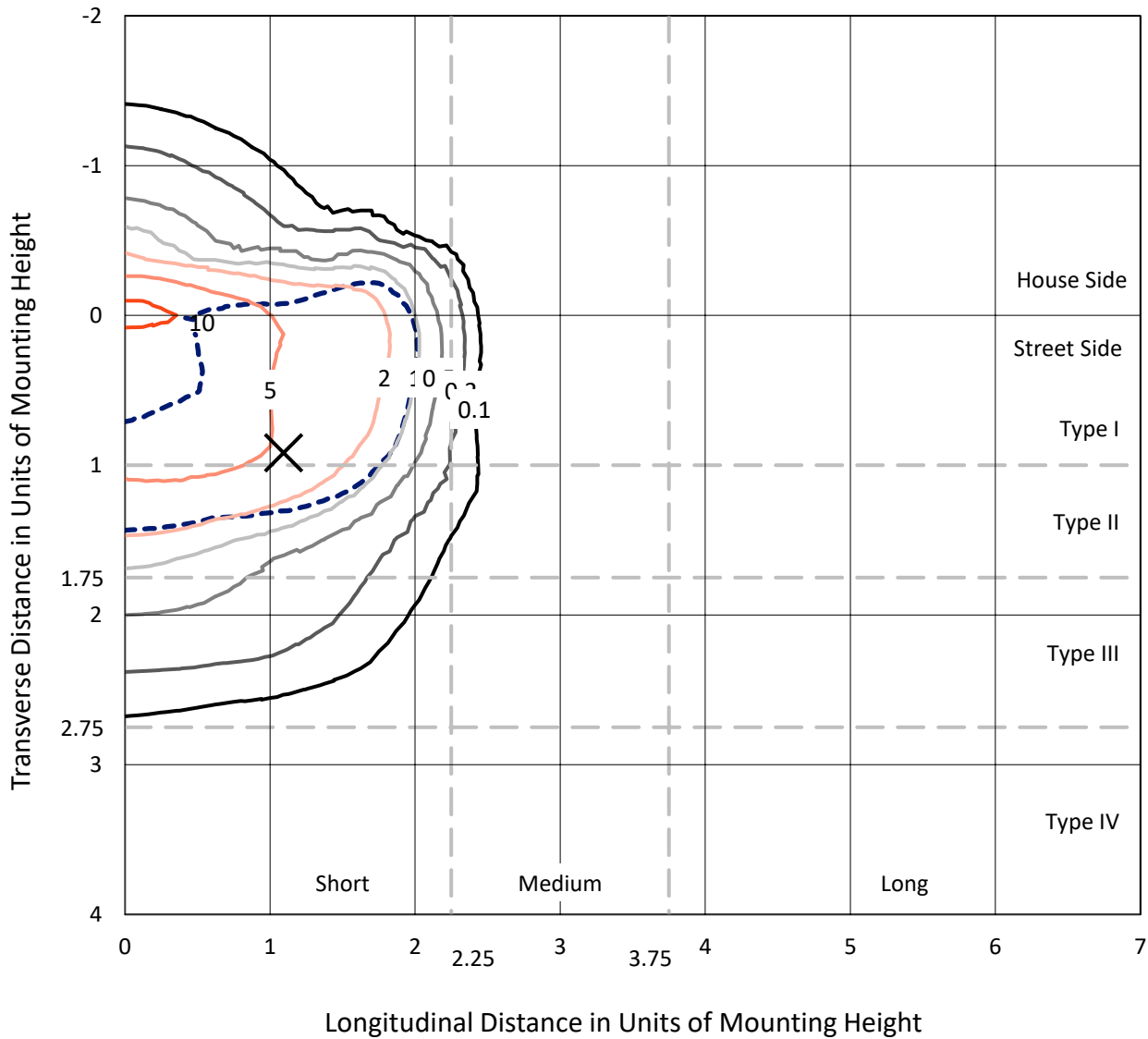
Lumens per Lamp: N/A  
Luminaire Lumens: 3277.5 lumens  
Efficiency: N/A  
Efficacy: 56.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

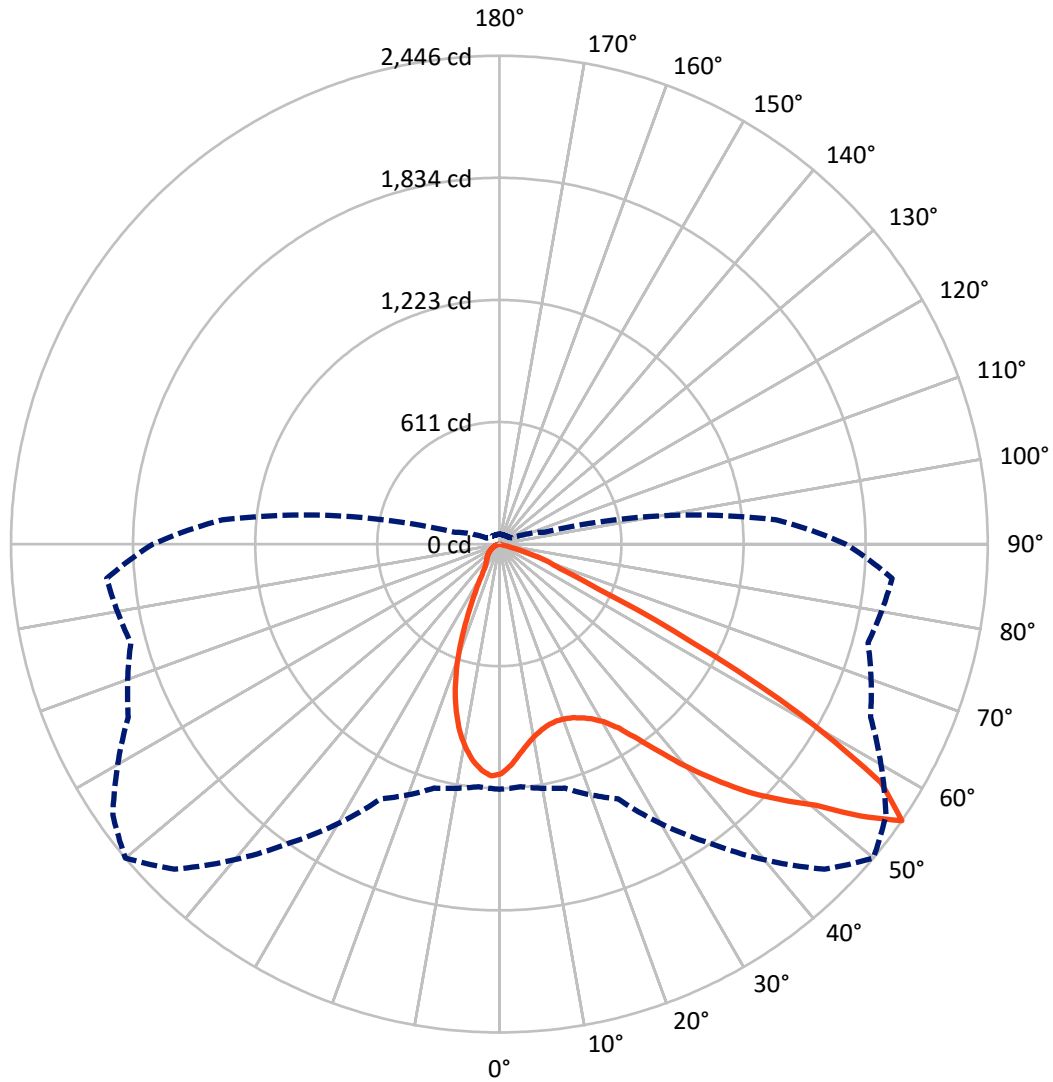
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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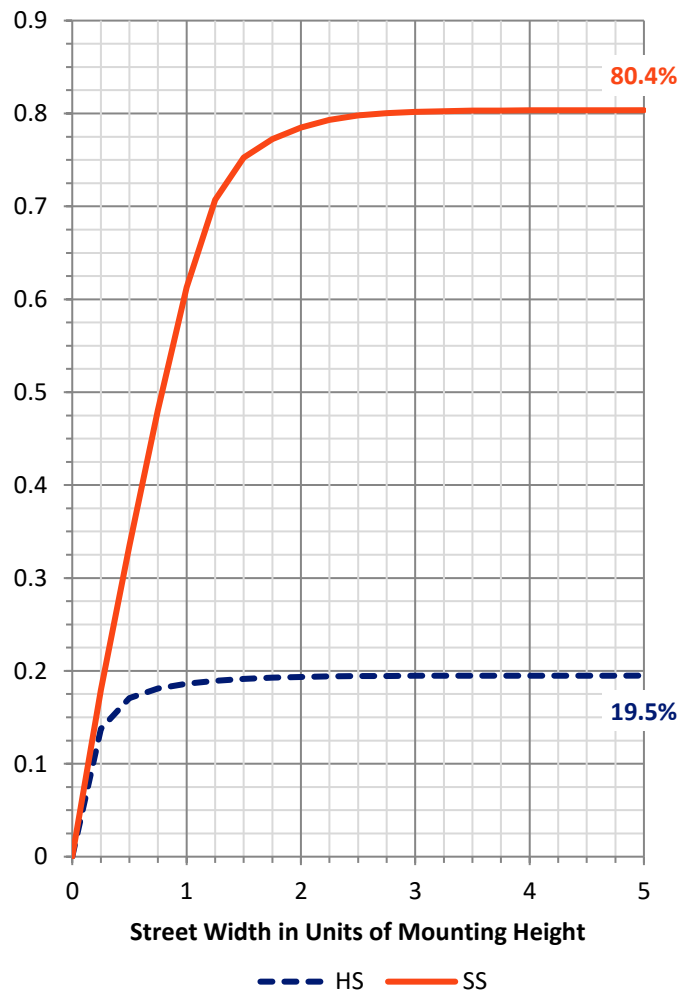
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	645.8	0.0	645.8
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	2631.7	0.0	2631.7
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	3277.5	0.0	3277.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.0	3.1
10°-20°	248.5	7.6
20°-30°	350.5	10.7
30°-40°	518.7	15.8
40°-50°	748.3	22.8
50°-60°	882.7	26.9
60°-70°	393.8	12.0
70°-80°	33.8	1.0
80°-90°	0.0	0.0
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°	3277.5	100.0
0°-180°	3277.5	100.0

**Coefficient of Utilization**



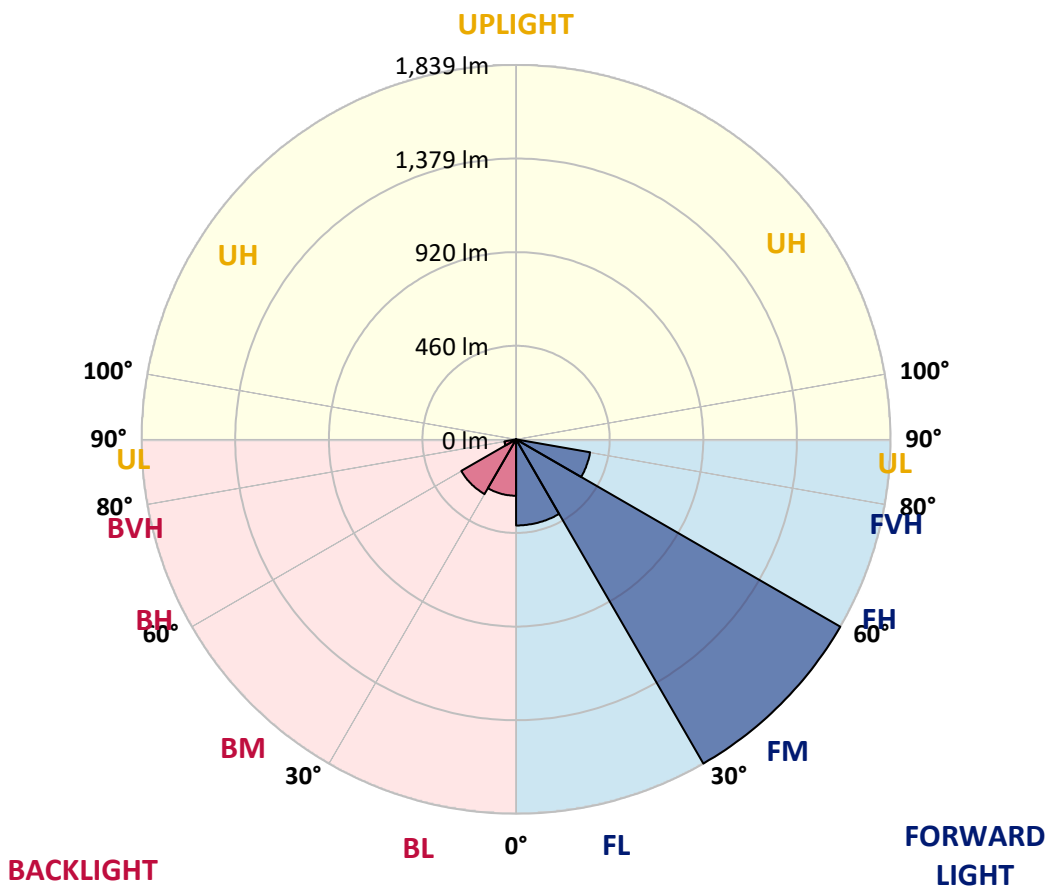
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.1	12.9			
FM (30°-60°)	1839.2	56.1			
FH (60°-80°)	369.3	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	276.9	8.4	B1/500		
BM (30°-60°)	310.6	9.5	B1/1000		
BH (60°-80°)	58.3	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1068.3	1069.1	1069.5	1080.3	1084.3	1100.3	1108.7	1113.1	1124.7	1138.3	1149.5
5°	996.7	995.5	997.5	1011.1	1019.9	1043.5	1056.3	1065.1	1090.7	1122.7	1149.5
7.5°	934.3	936.7	939.1	953.9	967.1	992.7	1011.1	1024.3	1059.9	1107.5	1152.7
10°	890.3	890.3	893.9	910.7	926.3	957.9	976.3	993.1	1035.5	1093.9	1156.3
12.5°	857.8	858.2	862.6	881.9	899.9	932.7	951.9	968.3	1015.1	1080.3	1157.1
15°	842.6	841.4	845.0	865.4	885.5	916.3	936.3	952.3	1000.7	1072.7	1161.1
17.5°	838.6	837.8	840.6	860.6	881.1	911.1	930.7	946.7	998.7	1075.1	1173.1
20°	850.2	848.6	847.4	864.6	883.9	913.5	933.9	951.9	1008.3	1088.3	1191.5
22.5°	877.9	877.9	875.1	883.5	896.3	923.1	944.3	967.9	1033.5	1114.7	1218.7
25°	928.7	924.7	919.5	923.1	921.5	938.3	963.5	996.3	1081.1	1158.3	1252.0
27.5°	986.7	990.3	981.5	981.9	967.9	961.9	991.1	1040.7	1151.9	1219.9	1301.2
30°	1065.5	1062.7	1063.1	1061.9	1029.5	1001.1	1032.7	1098.7	1241.2	1314.0	1365.2
32.5°	1127.1	1131.1	1144.3	1151.9	1109.5	1063.9	1097.5	1177.5	1342.8	1421.2	1443.6
35°	1192.3	1199.5	1226.4	1251.2	1215.5	1163.1	1199.1	1282.0	1438.4	1527.2	1533.6
37.5°	1261.2	1275.6	1307.6	1351.2	1345.6	1299.2	1332.0	1404.8	1513.6	1591.3	1608.1
40°	1340.0	1354.0	1406.4	1469.2	1482.4	1472.0	1482.8	1525.2	1563.2	1594.1	1640.1
42.5°	1426.4	1445.6	1512.0	1596.1	1645.7	1654.9	1629.7	1625.3	1584.9	1562.0	1633.3
45°	1528.4	1550.8	1626.1	1734.9	1813.7	1826.1	1782.5	1726.1	1598.5	1538.4	1612.9
47.5°	1642.9	1664.1	1738.9	1869.7	1987.0	1991.8	1915.7	1824.9	1638.9	1565.6	1628.5
50°	1681.3	1694.5	1759.3	1912.9	2129.0	2165.8	2055.8	1936.2	1720.1	1645.7	1704.5
52.5°	1549.2	1554.4	1610.9	1766.1	2100.2	2336.7	2260.2	2102.2	1864.5	1767.7	1821.7
55°	1227.6	1219.1	1264.8	1407.2	1825.3	2301.9	2445.5	2363.1	2050.6	1910.9	1974.2
57.5°	858.6	848.6	838.2	934.7	1362.0	1951.4	2253.4	2399.5	2227.8	2053.0	2138.6
60°	705.8	696.2	645.8	601.4	823.4	1401.2	1730.9	2005.8	2213.4	2045.8	2133.4
62.5°	609.8	604.2	583.8	523.3	484.5	799.8	1083.9	1347.2	1698.5	1606.5	1611.3
65°	478.9	477.3	491.3	497.7	428.5	442.5	553.0	700.2	918.3	865.8	821.0
67.5°	327.3	323.7	350.1	430.5	412.1	349.3	323.7	326.5	397.3	242.9	192.9
70°	208.1	199.7	200.1	266.9	335.3	275.7	249.7	219.7	197.7	36.0	40.8
72.5°	133.2	128.0	110.0	120.4	155.2	134.4	135.6	116.8	78.0	19.2	22.4
75°	56.0	51.6	39.6	31.6	31.2	19.6	17.2	16.0	10.8	10.8	11.6
77.5°	0.4	0.0	0.0	0.4	0.8	0.4	0.4	0.8	1.6	2.4	2.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1156.3	1146.7	1157.5	1161.5	1161.1	1161.5	1149.9	1141.9	1141.5	1131.5	1126.7
5°	1160.7	1153.1	1161.1	1155.9	1143.5	1127.9	1107.1	1089.1	1081.1	1069.5	1063.9
7.5°	1169.1	1161.1	1159.9	1139.1	1108.3	1075.5	1038.7	1005.9	988.3	967.1	968.3
10°	1175.1	1165.9	1150.3	1107.9	1056.7	1004.3	949.5	900.7	869.8	841.4	836.6
12.5°	1177.5	1163.9	1127.5	1063.5	991.5	923.1	842.6	773.0	725.0	687.8	682.6
15°	1181.9	1159.9	1098.3	1009.9	911.1	814.2	711.8	616.6	553.0	510.1	513.7
17.5°	1188.7	1155.5	1065.5	949.9	824.6	687.8	549.4	440.1	381.7	356.9	357.3
20°	1198.3	1150.3	1029.5	883.9	721.0	545.0	384.1	301.7	285.3	284.5	283.3
22.5°	1211.1	1145.1	991.1	811.4	598.2	381.7	255.7	230.1	236.9	250.1	252.5
25°	1226.4	1138.7	948.3	729.8	464.1	250.5	191.7	187.7	204.1	221.7	225.7
27.5°	1250.0	1135.5	899.5	637.0	325.7	179.7	156.8	159.2	174.0	188.9	192.5
30°	1290.0	1141.5	846.2	533.0	209.3	143.2	136.0	139.6	147.6	155.2	158.4
32.5°	1344.4	1159.1	794.6	419.3	149.2	124.4	122.8	124.8	128.0	132.4	133.6
35°	1408.0	1189.5	741.4	300.1	123.2	113.6	112.0	112.0	113.6	114.4	114.8
37.5°	1460.4	1221.5	691.4	199.7	110.4	105.2	102.8	101.6	101.2	102.0	102.4
40°	1483.2	1234.8	637.0	145.2	101.2	97.6	94.0	90.4	90.4	93.2	93.6
42.5°	1467.2	1219.9	574.2	120.0	94.8	89.6	84.0	80.8	82.4	85.2	86.0
45°	1433.2	1183.5	504.9	106.0	88.4	81.6	75.2	73.2	74.8	78.4	79.2
47.5°	1427.6	1159.5	422.1	96.8	81.6	74.8	68.0	66.0	68.0	70.8	71.6
50°	1483.2	1180.3	330.1	88.8	75.2	67.6	62.0	60.0	61.2	62.8	63.6
52.5°	1584.9	1257.6	266.5	81.2	67.6	60.4	56.8	54.4	54.4	56.0	56.4
55°	1734.9	1392.4	230.1	72.4	58.8	54.8	51.6	49.2	49.2	50.0	50.4
57.5°	1907.7	1555.6	238.5	60.8	51.6	49.6	46.8	44.8	45.6	45.6	45.6
60°	1883.7	1543.6	255.3	51.2	45.6	44.8	42.4	41.6	43.6	42.0	41.2
62.5°	1387.6	1066.3	133.6	42.0	39.2	38.4	36.8	38.4	41.2	36.8	35.2
65°	673.8	516.1	53.6	34.4	33.2	32.4	31.6	34.0	35.6	28.8	27.2
67.5°	158.4	128.8	34.8	29.2	27.6	26.0	26.8	27.2	26.0	19.6	18.8
70°	41.2	40.4	27.2	24.4	22.0	20.4	20.4	20.0	17.2	12.4	11.6
72.5°	22.4	22.0	19.6	18.4	15.2	13.6	14.0	12.4	9.6	7.2	6.8
75°	11.2	12.0	11.2	10.4	8.4	7.6	7.6	6.8	4.8	2.8	2.8
77.5°	2.4	2.8	2.8	2.4	2.0	1.6	1.6	2.0	0.8	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)