

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: P629893

Luminaire Tested: GWS-SA1C-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629893  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-750-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

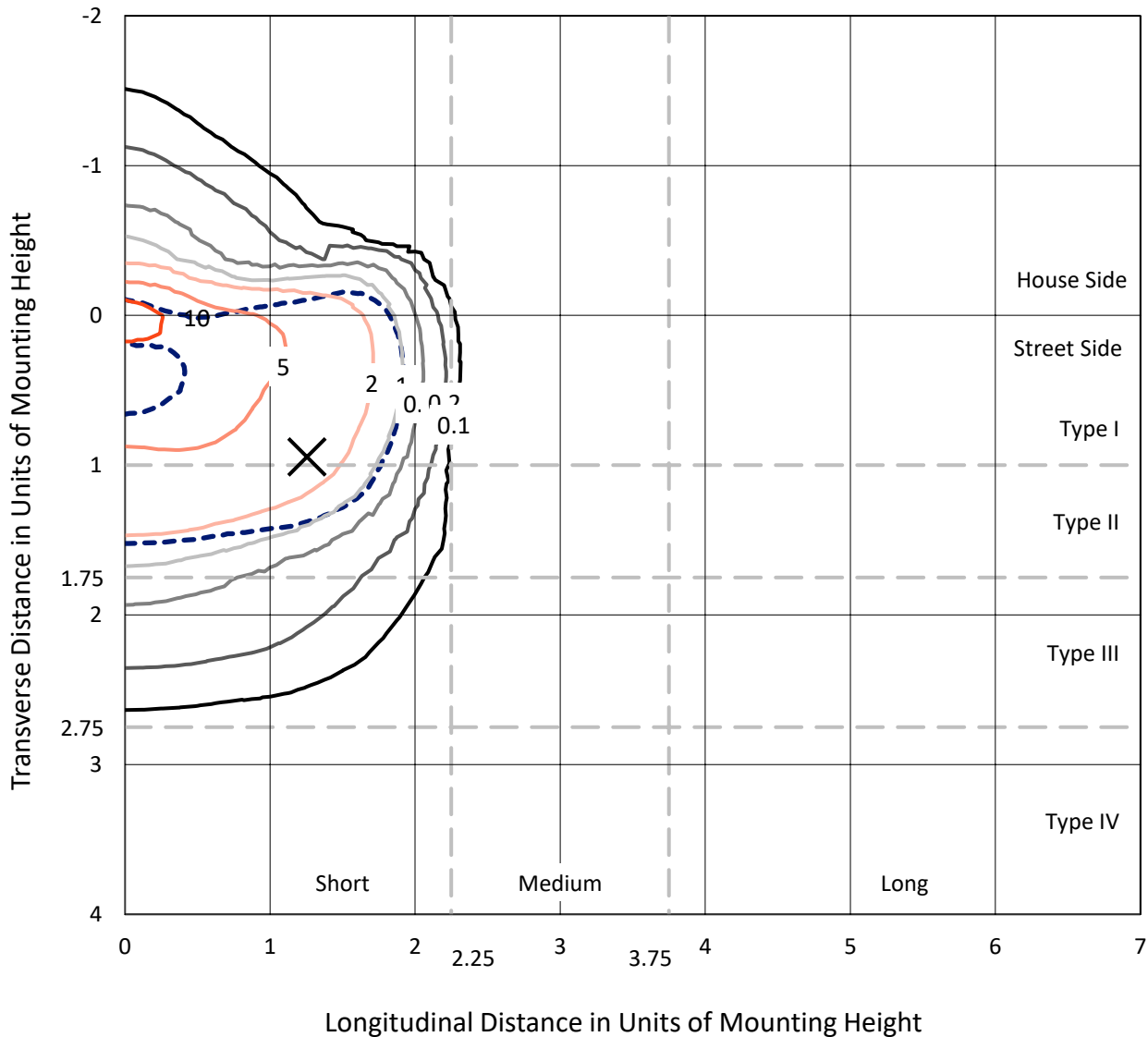
Lumens per Lamp: N/A  
Luminaire Lumens: 2875.8 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

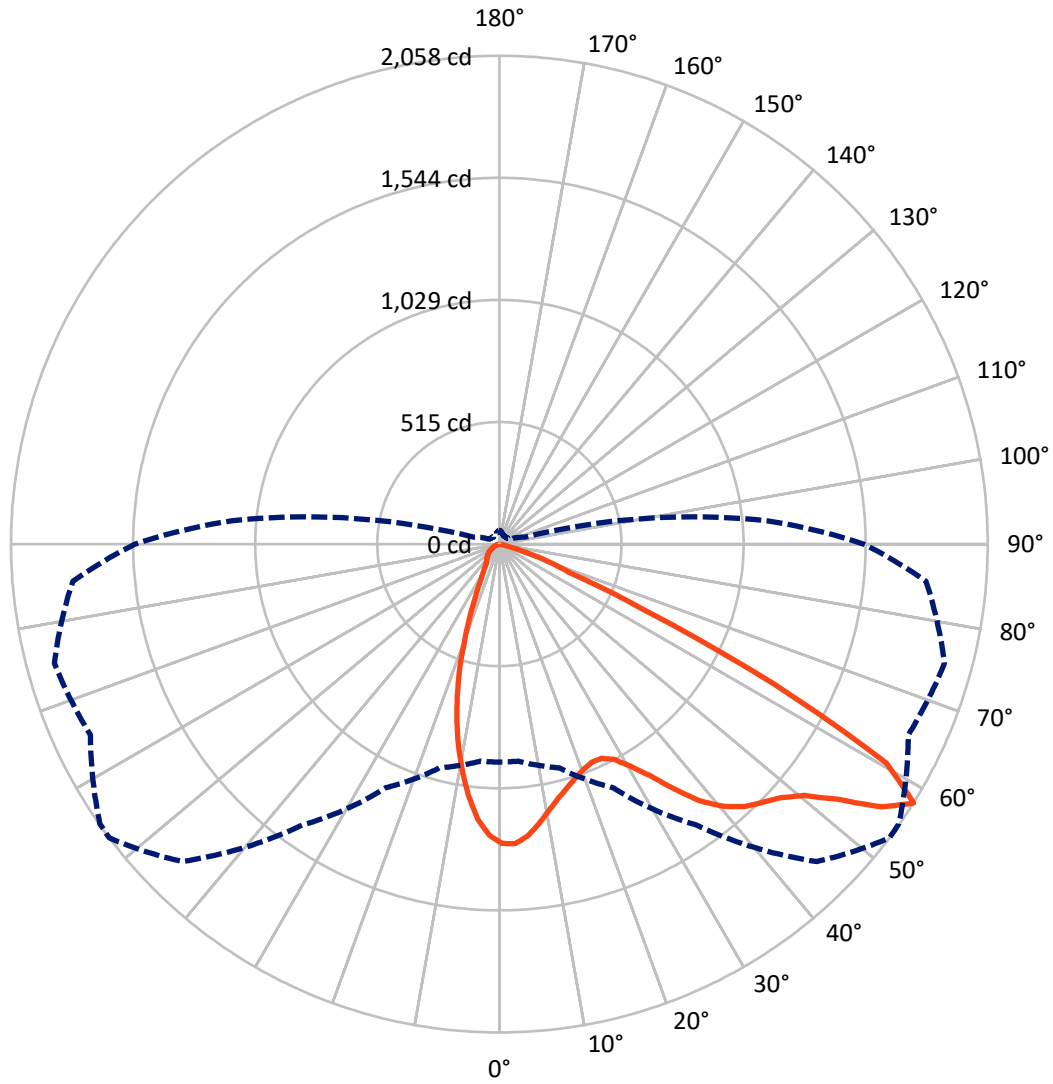
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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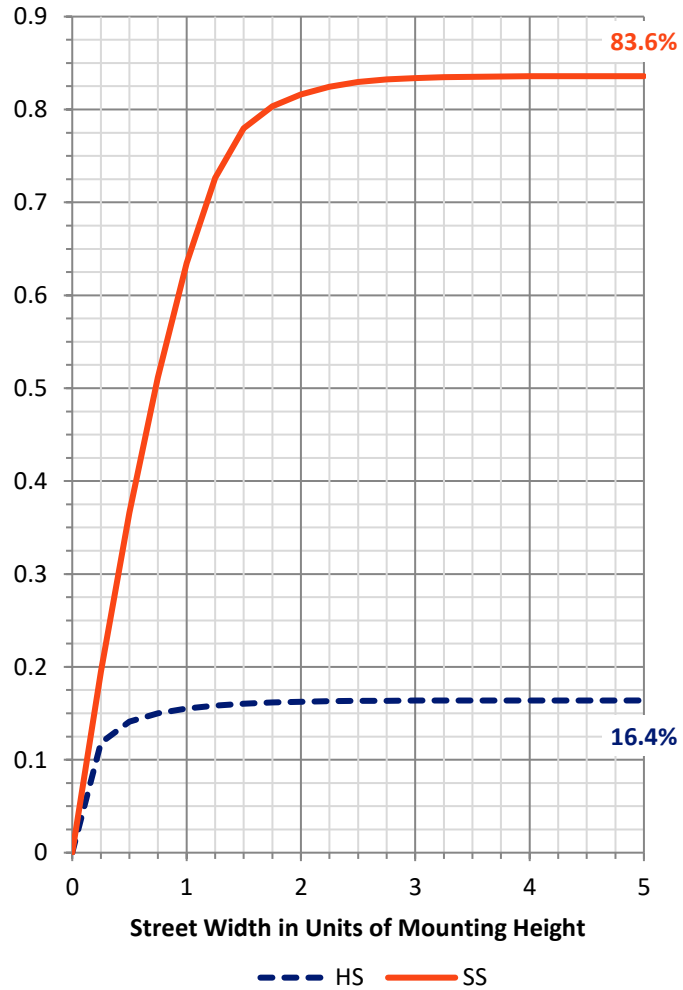
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	475.1	0.0	475.1
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	2400.8	0.0	2400.8
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	2875.8	0.0	2875.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.9	3.8
10°-20°	236.9	8.2
20°-30°	308.7	10.7
30°-40°	447.7	15.6
40°-50°	646.1	22.5
50°-60°	781.4	27.2
60°-70°	318.5	11.1
70°-80°	28.6	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°	2875.8	100.0
0°-180°	2875.8	100.0

**Coefficient of Utilization**



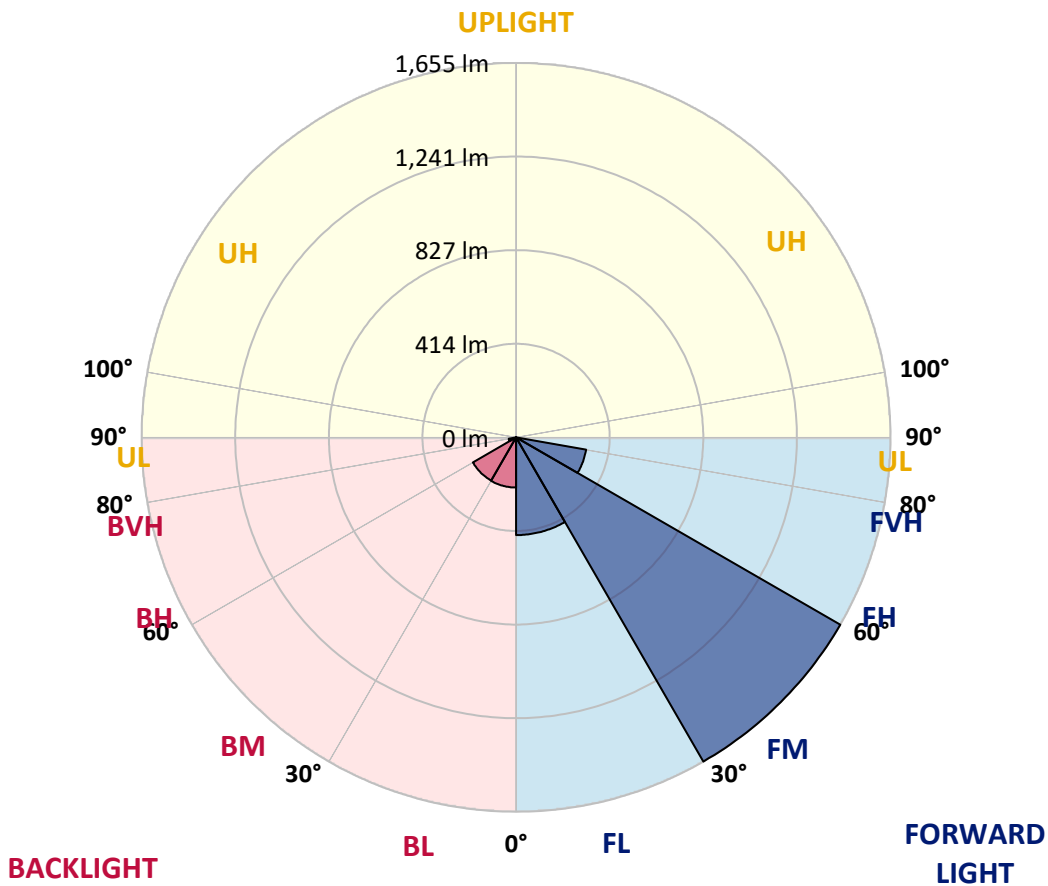
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.8	15.0			
FM (30°-60°)	1654.7	57.5			
FH (60°-80°)	314.2	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	221.7	7.7	B1/500		
BM (30°-60°)	220.5	7.7	B1/1000		
BH (60°-80°)	32.8	1.1	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°	53°	55°	65°	75°	85°
0°	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5
2.5°	1243.9	1246.7	1251.6	1258.0	1262.2	1264.3	1264.3	1270.3	1266.4	1263.3	1259.7
5°	1190.6	1193.5	1200.2	1210.4	1220.6	1228.0	1236.5	1242.8	1245.3	1245.3	1239.3
7.5°	1115.6	1119.4	1123.7	1137.8	1160.0	1176.5	1191.0	1200.2	1213.6	1217.8	1209.3
10°	1034.9	1038.7	1048.2	1067.6	1093.0	1117.7	1142.4	1154.0	1176.9	1188.9	1179.4
12.5°	966.5	968.2	980.9	1004.2	1036.6	1070.5	1100.4	1112.4	1144.8	1162.8	1151.5
15°	910.1	911.1	923.8	949.6	986.9	1028.5	1066.2	1078.6	1118.4	1145.5	1128.6
17.5°	867.4	867.8	878.7	906.6	945.7	991.9	1036.6	1051.8	1103.2	1136.0	1110.6
20°	845.9	844.9	852.6	876.9	914.0	960.1	1013.0	1031.7	1094.8	1134.6	1096.9
22.5°	846.3	843.8	847.0	864.3	895.6	939.0	998.2	1019.3	1095.5	1140.6	1085.3
25°	866.4	862.8	863.6	872.7	894.9	934.4	1000.3	1022.9	1109.6	1160.7	1081.0
27.5°	900.2	896.3	896.3	900.9	912.9	948.8	1026.7	1052.5	1147.3	1199.8	1089.8
30°	943.9	940.0	938.6	943.2	953.1	986.2	1085.6	1112.4	1211.8	1264.0	1118.0
32.5°	994.0	989.4	991.9	998.2	1007.7	1053.5	1161.4	1197.0	1292.5	1350.3	1168.8
35°	1046.8	1043.0	1054.2	1068.0	1082.8	1146.9	1266.1	1297.1	1391.6	1457.8	1246.3
37.5°	1097.2	1095.5	1119.1	1148.0	1178.7	1259.0	1372.5	1396.5	1476.5	1574.8	1341.1
40°	1147.6	1147.3	1187.8	1238.6	1287.6	1370.8	1453.2	1473.0	1528.3	1665.8	1432.1
42.5°	1204.0	1204.0	1260.1	1327.8	1393.0	1465.2	1512.4	1521.3	1551.6	1718.3	1500.5
45°	1258.0	1261.1	1326.0	1404.6	1481.8	1538.9	1553.3	1554.0	1561.1	1749.3	1557.2
47.5°	1300.6	1303.4	1381.0	1471.6	1554.7	1594.9	1597.0	1593.9	1586.1	1778.9	1600.9
50°	1335.2	1339.4	1420.5	1516.3	1604.8	1648.9	1665.1	1661.9	1642.2	1810.6	1631.6
52.5°	1352.1	1358.1	1434.2	1538.5	1660.5	1741.2	1786.3	1793.7	1726.0	1828.3	1660.8
55°	1216.7	1225.5	1295.7	1438.4	1691.5	1884.0	1954.8	1953.4	1817.0	1880.8	1732.0
57.5°	918.9	918.2	976.3	1132.5	1444.8	1892.1	2058.4	2055.6	1901.9	1941.8	1805.0
60°	625.6	621.4	636.9	712.3	1010.2	1541.4	1873.4	1911.4	1841.7	1793.7	1532.5
62.5°	515.0	511.1	506.1	485.4	580.2	960.1	1294.3	1352.1	1342.9	1246.7	961.2
65°	421.6	424.7	438.5	429.7	403.6	492.4	671.8	706.0	645.4	543.2	335.9
67.5°	310.9	312.3	330.3	376.8	362.7	327.8	316.2	321.8	188.6	86.7	56.0
70°	183.6	184.7	201.3	263.6	294.3	251.7	213.6	210.4	74.7	23.3	25.4
72.5°	104.0	101.9	105.0	125.5	160.4	133.6	110.0	100.1	22.6	13.0	13.0
75°	49.3	47.9	41.2	38.8	35.2	22.6	14.1	12.0	5.6	5.3	5.3
77.5°	0.4	1.1	0.7	1.1	1.1	0.7	0.4	0.4	1.1	1.1	1.4
80°	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5	1261.5
2.5°	1253.4	1242.8	1240.3	1239.6	1229.8	1219.2	1208.3	1204.0	1197.7	1193.8	1197.0
5°	1229.8	1214.6	1201.2	1188.9	1167.0	1143.1	1122.3	1108.9	1096.2	1087.7	1089.8
7.5°	1196.3	1176.5	1145.9	1114.5	1074.3	1038.4	998.2	973.5	950.6	937.9	943.9
10°	1160.7	1134.6	1085.6	1032.4	969.3	912.9	855.4	808.6	781.4	755.7	758.5
12.5°	1125.8	1091.2	1017.9	937.2	857.6	774.4	687.7	622.8	578.4	546.3	541.4
15°	1093.4	1049.0	952.0	845.6	737.0	626.3	515.7	423.0	371.5	339.8	337.7
17.5°	1064.5	1009.5	883.6	749.7	613.7	472.0	344.7	275.3	245.7	231.9	230.5
20°	1036.6	969.6	813.9	652.4	479.0	331.3	237.9	205.8	196.3	190.7	191.4
22.5°	1009.8	926.3	740.5	544.6	359.2	232.6	184.3	172.0	170.9	171.7	172.0
25°	987.3	886.5	665.1	440.6	256.2	177.3	154.0	150.5	153.7	158.3	159.0
27.5°	975.6	854.0	591.4	335.9	185.4	144.2	133.6	135.0	140.6	145.6	146.3
30°	978.8	829.7	515.3	243.6	142.8	121.6	118.1	120.9	126.5	131.1	131.8
32.5°	1001.4	817.4	437.4	177.3	117.4	106.1	104.7	106.8	111.7	115.3	115.6
35°	1046.1	820.2	363.4	135.7	100.8	94.5	94.1	95.5	98.0	100.5	100.8
37.5°	1112.0	843.1	290.4	112.8	91.3	86.7	85.3	85.3	87.1	88.1	88.8
40°	1182.9	877.7	232.6	99.7	84.6	79.7	76.8	75.8	77.2	78.6	79.0
42.5°	1241.4	912.2	188.9	90.6	79.3	72.6	69.1	68.4	70.1	72.6	73.3
45°	1286.2	939.0	157.6	83.2	73.3	65.9	62.0	62.0	65.2	69.4	70.1
47.5°	1327.0	960.5	134.3	76.5	67.7	59.9	56.0	56.7	62.0	67.7	68.7
50°	1354.9	977.8	117.0	70.5	63.1	55.0	51.5	52.9	59.2	65.9	67.0
52.5°	1384.9	998.9	105.7	65.2	58.9	51.1	47.9	49.0	56.0	63.4	64.9
55°	1467.7	1069.7	105.4	58.2	51.5	45.8	44.4	44.8	51.8	60.3	62.0
57.5°	1535.4	1132.1	112.4	49.0	43.0	40.2	39.5	39.8	46.2	55.7	57.8
60°	1270.3	879.8	93.1	40.5	36.0	35.2	34.2	34.9	40.9	49.3	51.1
62.5°	751.8	503.0	44.4	31.0	30.7	30.0	28.9	30.3	36.0	43.4	44.4
65°	257.0	149.1	28.2	25.4	26.1	25.0	24.0	25.4	30.3	34.5	34.9
67.5°	49.3	39.5	22.6	21.1	21.5	19.4	19.0	20.4	23.3	24.0	23.6
70°	25.7	22.9	17.3	17.3	16.6	13.7	13.7	15.2	15.2	14.1	13.7
72.5°	13.4	12.7	11.3	12.7	10.6	8.5	8.5	9.2	8.5	7.0	7.0
75°	5.3	5.3	4.9	6.3	4.6	3.9	3.5	4.2	3.2	2.5	2.5
77.5°	1.4	1.4	1.4	1.8	1.1	1.1	0.7	0.7	0.4	0.0	0.0
80°	0.0	0.4	0.0	0.4	0.0	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)