

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: P631600

Luminaire Tested: GWS-SA2B-722-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631600  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-722-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

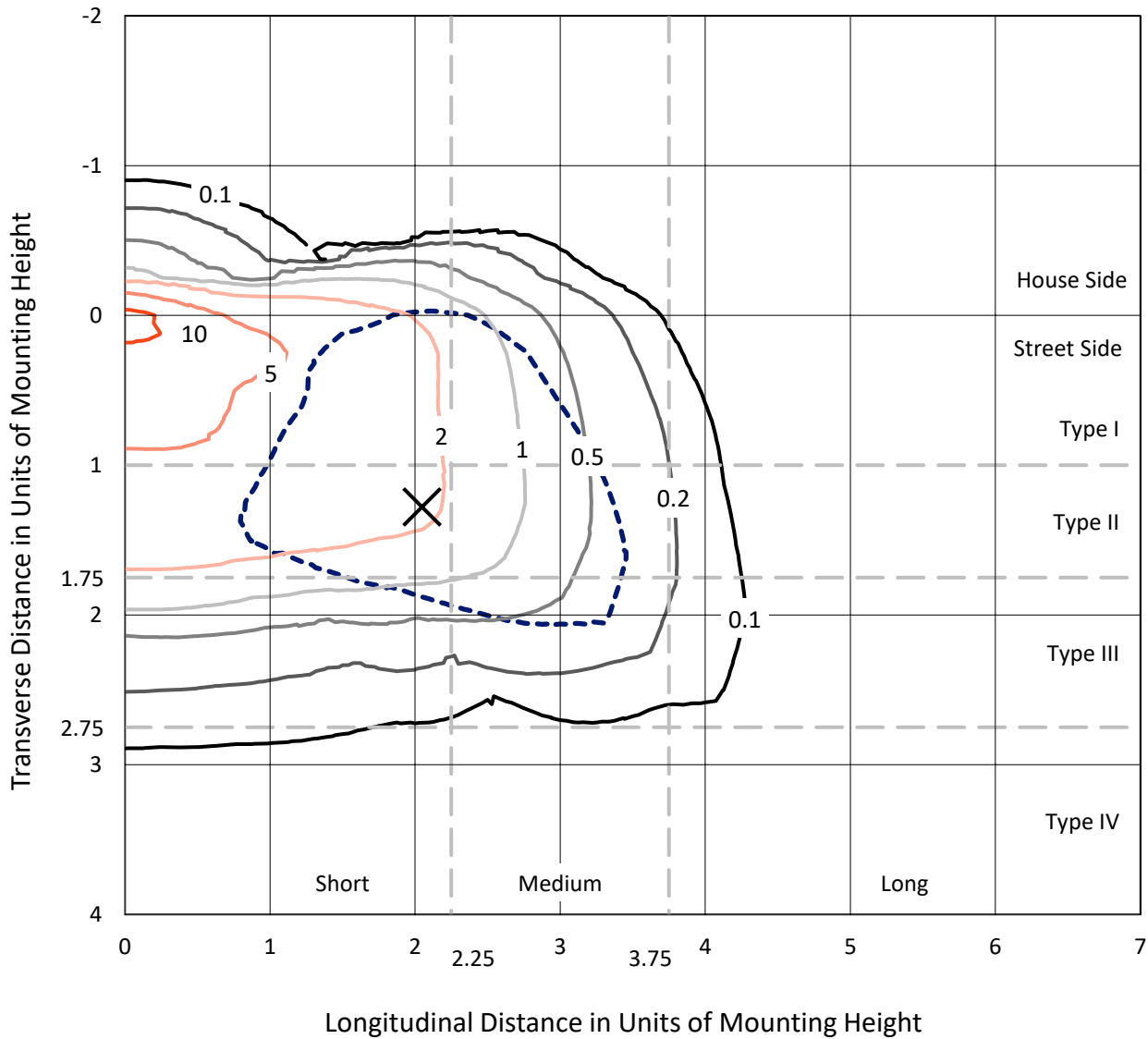
Lumens per Lamp: N/A  
Luminaire Lumens: 4117.2 lumens  
Efficiency: N/A  
Efficacy: 88.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

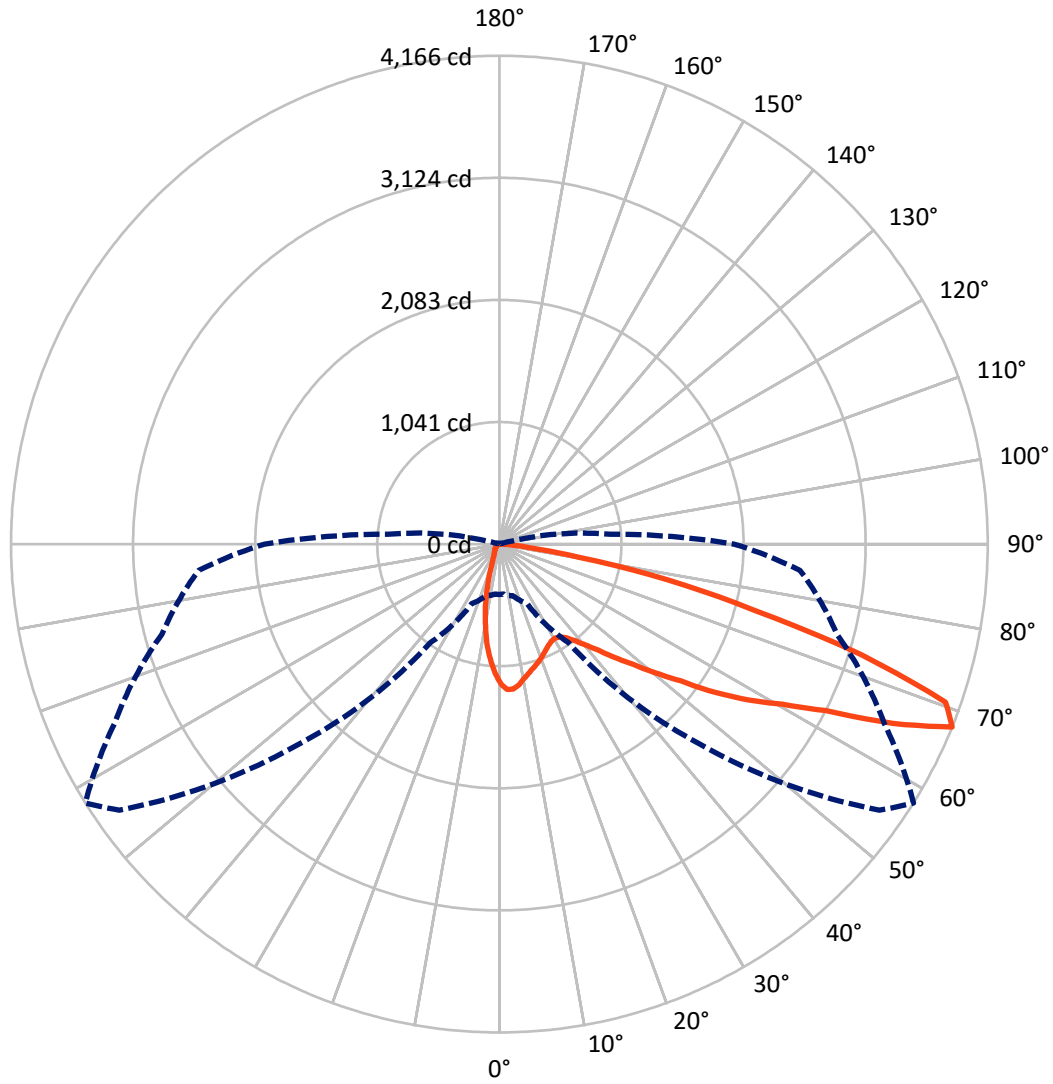
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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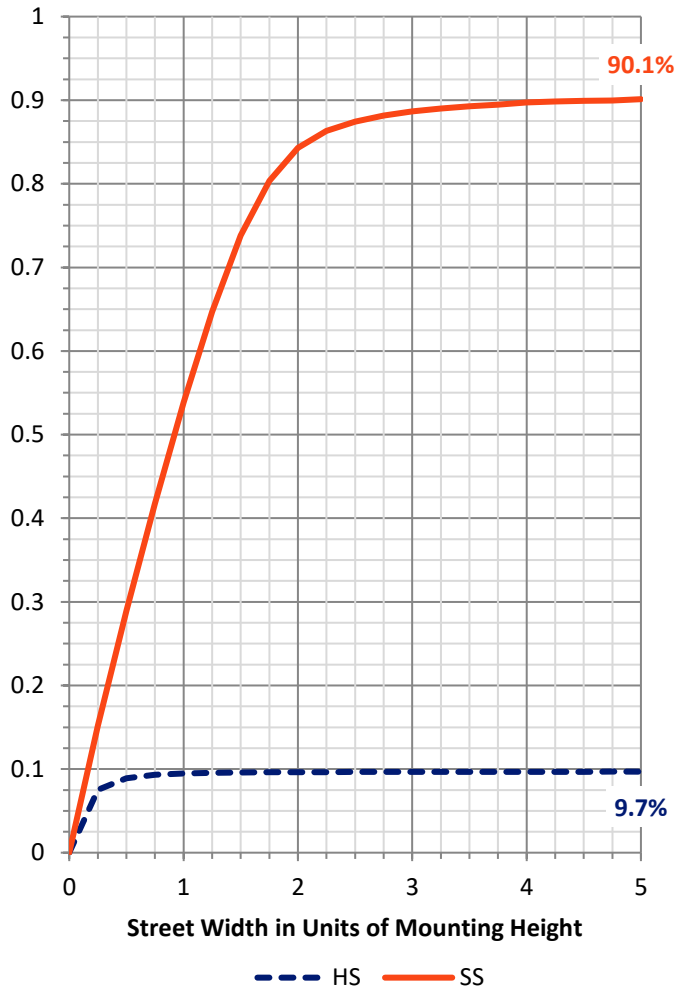
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	402.2	0.0	402.2
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	3715.0	0.0	3715.0
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	4117.2	0.0	4117.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.5	2.3
10°-20°	200.9	4.9
20°-30°	270.9	6.6
30°-40°	380.7	9.2
40°-50°	587.9	14.3
50°-60°	940.2	22.8
60°-70°	1113.2	27.0
70°-80°	492.5	12.0
80°-90°	34.4	0.8
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°	4117.2	100.0
0°-180°	4117.2	100.0

**Coefficient of Utilization**



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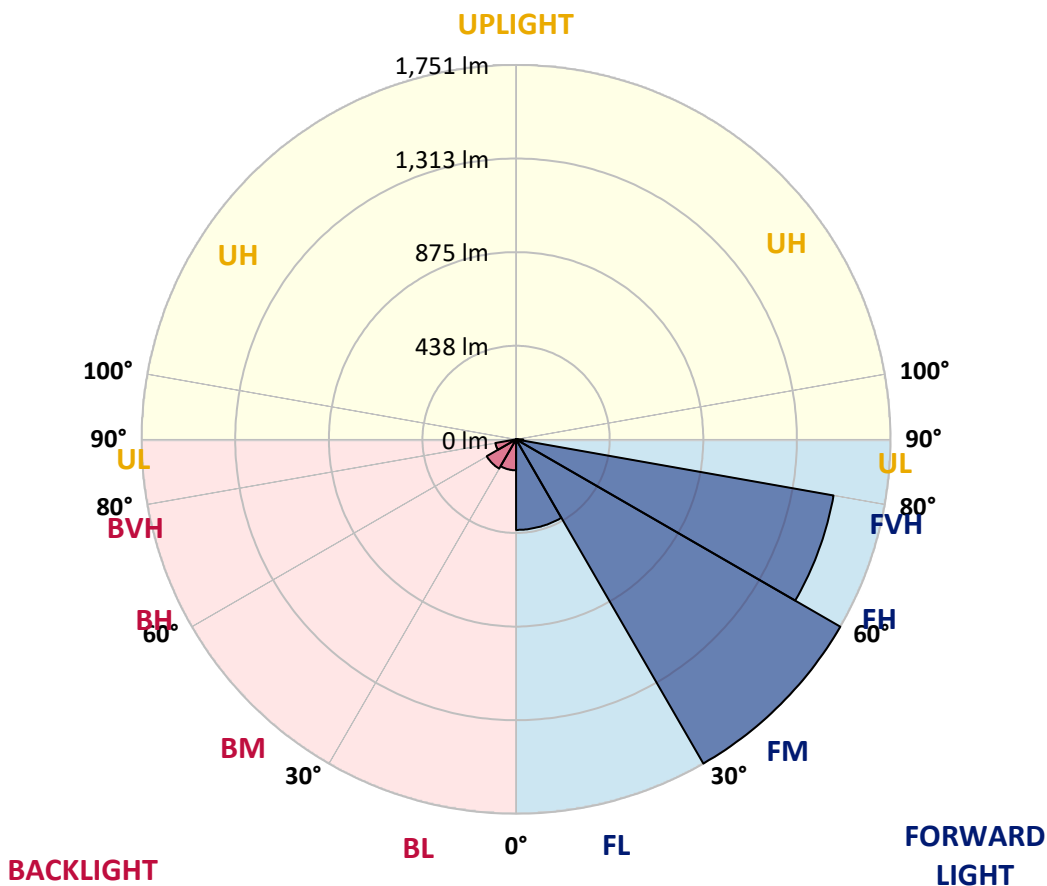
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.6	10.3			
FM (30°-60°)	1751.0	42.5			
FH (60°-80°)	1507.5	36.6			G1/1800
FVH (80°-90°)	33.0	0.8			G1/100
BL (0°-30°)	144.7	3.5	B1/500		
BM (30°-60°)	157.8	3.8	B0/220		
BH (60°-80°)	98.2	2.4	B0/110		G0/110
BVH (80°-90°)	1.5	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1187.6	1187.6	1187.6	1187.6	1187.6	1187.6	1187.6	1187.6	1187.6	1187.6	1187.6
2.5°	1249.2	1251.4	1254.3	1257.9	1257.2	1253.9	1249.9	1240.8	1235.0	1216.7	1194.5
5°	1209.1	1208.7	1216.0	1222.9	1235.3	1241.9	1251.0	1242.6	1239.7	1217.8	1181.8
7.5°	1130.7	1134.8	1143.1	1154.1	1171.9	1191.2	1213.1	1210.6	1219.3	1204.7	1159.9
10°	1053.9	1051.7	1064.8	1081.2	1108.5	1133.3	1165.0	1164.6	1187.6	1186.1	1135.1
12.5°	986.4	986.1	996.3	1014.9	1046.9	1081.6	1124.6	1125.6	1154.1	1165.7	1114.0
15°	929.6	930.3	940.2	959.5	992.6	1034.9	1084.8	1093.9	1126.0	1149.7	1093.2
17.5°	889.1	889.5	895.3	912.1	944.5	989.7	1049.8	1062.2	1103.4	1137.7	1076.5
20°	870.6	869.1	870.2	878.6	903.7	944.9	1014.1	1030.2	1082.6	1129.3	1061.1
22.5°	873.1	870.9	865.8	864.7	876.0	907.4	976.2	995.9	1060.1	1124.2	1047.3
25°	895.7	891.0	883.7	872.7	868.4	884.0	943.1	963.5	1038.9	1124.6	1036.7
27.5°	930.3	925.2	916.1	901.5	884.4	877.9	920.5	939.8	1024.0	1132.9	1031.6
30°	974.4	970.4	961.7	944.2	921.2	894.2	915.7	931.8	1016.7	1150.1	1033.8
32.5°	1026.5	1023.6	1016.3	1000.3	974.1	932.9	931.8	944.2	1022.5	1174.8	1042.2
35°	1076.8	1077.9	1078.3	1069.5	1041.5	991.5	975.9	980.2	1046.6	1212.0	1061.1
37.5°	1131.1	1128.6	1141.7	1147.9	1120.9	1067.7	1044.0	1044.4	1092.5	1267.0	1096.9
40°	1172.3	1173.0	1201.4	1226.9	1215.7	1164.3	1130.4	1130.0	1163.2	1342.5	1154.4
42.5°	1210.9	1215.7	1257.6	1301.3	1317.0	1271.4	1247.0	1237.9	1262.3	1444.5	1240.8
45°	1252.1	1259.0	1317.7	1380.0	1421.2	1394.2	1374.9	1378.5	1381.5	1563.3	1357.0
47.5°	1300.2	1304.6	1377.1	1464.9	1541.8	1534.9	1536.0	1531.6	1530.1	1713.1	1510.8
50°	1358.5	1368.7	1452.2	1557.1	1662.0	1708.0	1723.3	1725.1	1701.4	1876.3	1670.1
52.5°	1482.4	1494.8	1566.2	1658.0	1793.2	1889.8	1952.1	1939.7	1903.3	2034.5	1844.6
55°	1628.5	1638.0	1706.9	1802.0	1953.6	2089.1	2237.1	2232.0	2142.7	2201.0	1988.2
57.5°	1642.4	1652.9	1759.7	1905.5	2159.5	2335.5	2491.1	2507.5	2376.6	2319.1	2116.5
60°	1486.8	1508.3	1654.0	1850.1	2238.2	2666.7	2769.5	2772.8	2548.3	2439.0	2273.2
62.5°	1191.6	1201.8	1348.7	1604.5	2116.8	2859.8	3194.7	3125.5	2768.7	2624.4	2521.3
65°	624.6	666.1	794.0	1077.2	1716.7	2792.4	3706.4	3687.4	3165.2	2890.1	2714.4
67.5°	428.5	428.2	458.4	561.5	1023.6	2404.3	3957.4	4165.9	3623.6	2981.2	2574.5
70°	326.1	327.2	354.2	421.3	530.2	1600.5	3681.9	4038.3	3708.9	2706.8	2082.2
72.5°	216.5	218.6	263.5	340.4	423.4	784.6	2861.3	3231.2	3120.8	2174.0	1465.6
75°	129.4	131.2	163.3	247.4	376.4	439.1	1818.0	2233.8	2148.2	1498.4	785.7
77.5°	53.2	54.7	83.8	154.1	275.5	341.1	1005.4	1461.6	1286.7	595.8	214.6
80°	22.2	23.0	40.4	107.9	198.6	213.9	465.7	686.9	527.3	128.3	65.6
82.5°	8.0	8.4	14.9	59.4	123.5	161.1	235.0	271.5	148.7	41.9	35.3
85°	0.4	0.4	3.6	20.0	47.0	45.6	134.5	130.1	49.2	17.5	21.1
87.5°	0.0	0.0	0.4	0.4	0.7	1.8	12.8	22.6	10.6	4.4	9.1
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°	1187.6	1187.6	1187.6	1187.6	1187.6	1187.6	1187.6	1187.6	1187.6	1187.6	1187.6
2.5°	1179.9	1160.6	1139.5	1119.8	1088.5	1069.9	1046.9	1036.7	1022.2	1018.5	1020.7
5°	1155.9	1122.7	1072.1	1026.2	966.8	919.0	870.9	850.5	824.3	806.8	799.5
7.5°	1122.0	1078.6	999.6	916.1	834.5	747.4	681.1	637.3	597.6	575.8	571.4
10°	1087.7	1031.3	917.9	798.4	672.0	567.7	478.1	411.8	357.8	333.4	314.5
12.5°	1052.4	982.1	834.9	678.9	532.0	389.9	279.1	214.6	176.0	160.7	163.3
15°	1020.0	934.7	752.5	559.4	374.6	235.4	154.1	130.1	121.0	118.1	117.7
17.5°	989.0	889.9	670.5	443.1	247.1	144.3	118.1	112.2	109.7	108.2	108.2
20°	960.9	846.9	590.3	333.8	159.6	114.4	106.8	103.9	101.7	100.6	100.6
22.5°	934.7	805.3	512.0	236.1	117.7	102.8	98.0	95.1	92.6	91.1	91.1
25°	911.0	767.8	437.3	162.5	101.3	94.0	88.9	85.6	81.3	78.7	78.7
27.5°	893.9	734.3	365.5	118.4	91.5	84.5	78.7	74.3	69.6	66.7	66.0
30°	883.7	705.9	293.0	97.3	82.4	75.4	68.9	63.4	57.9	55.0	54.7
32.5°	877.9	679.6	226.7	84.9	74.7	66.7	59.4	53.6	48.1	44.8	44.5
35°	880.0	659.2	169.8	76.5	67.4	59.0	51.0	45.2	40.4	37.5	36.8
37.5°	899.0	650.1	127.5	70.0	61.2	52.5	44.1	38.6	34.3	32.1	31.7
40°	935.8	651.9	100.2	64.9	56.1	45.9	37.9	32.8	29.5	27.7	27.3
42.5°	993.0	667.2	82.7	60.5	50.7	40.1	32.8	28.8	25.5	23.7	23.3
45°	1078.3	698.9	72.2	55.4	44.8	34.6	28.4	24.8	21.9	19.7	19.3
47.5°	1201.8	754.0	65.2	50.7	39.7	29.9	24.4	20.8	18.2	16.4	16.0
50°	1333.4	819.9	59.4	45.9	35.3	25.9	20.8	17.1	14.9	13.1	12.8
52.5°	1473.7	891.0	55.0	41.5	31.3	22.2	17.5	14.2	12.0	10.2	9.8
55°	1608.5	962.4	49.9	38.6	26.6	18.9	14.6	11.7	9.5	8.0	8.0
57.5°	1739.7	1028.0	44.5	33.9	21.9	16.0	12.0	9.5	7.7	6.6	6.2
60°	1896.4	1118.7	38.3	28.8	18.2	13.5	9.8	7.7	6.2	5.1	5.1
62.5°	2129.2	1213.1	32.8	24.1	15.3	11.3	8.0	6.2	5.1	4.4	4.0
65°	2205.4	1162.1	27.7	19.7	12.4	9.1	6.6	5.5	4.4	4.0	3.6
67.5°	2002.0	952.6	23.0	16.0	10.2	7.7	5.8	4.7	4.0	3.6	3.3
70°	1562.2	676.0	17.9	12.0	8.4	6.2	5.1	4.4	3.6	3.3	3.3
72.5°	1062.6	399.8	14.2	9.1	6.9	5.5	4.4	4.0	3.6	3.3	2.9
75°	523.3	142.1	10.9	6.9	5.5	4.7	4.0	3.6	3.3	2.9	2.9
77.5°	141.0	39.4	8.4	5.5	4.4	3.6	3.6	3.6	3.3	2.6	2.6
80°	47.7	16.4	6.2	4.0	3.6	2.9	2.6	3.3	2.9	2.6	2.2
82.5°	26.2	8.0	4.4	3.3	2.6	2.2	2.2	2.2	2.2	1.8	1.8
85°	16.8	4.4	2.9	2.6	2.6	1.8	1.5	1.5	1.1	1.1	1.1
87.5°	7.7	2.6	2.6	2.2	2.2	1.8	1.1	0.7	0.4	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)