

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: P631761

Luminaire Tested: GWS-SA2B-735-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-735-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5395.7 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

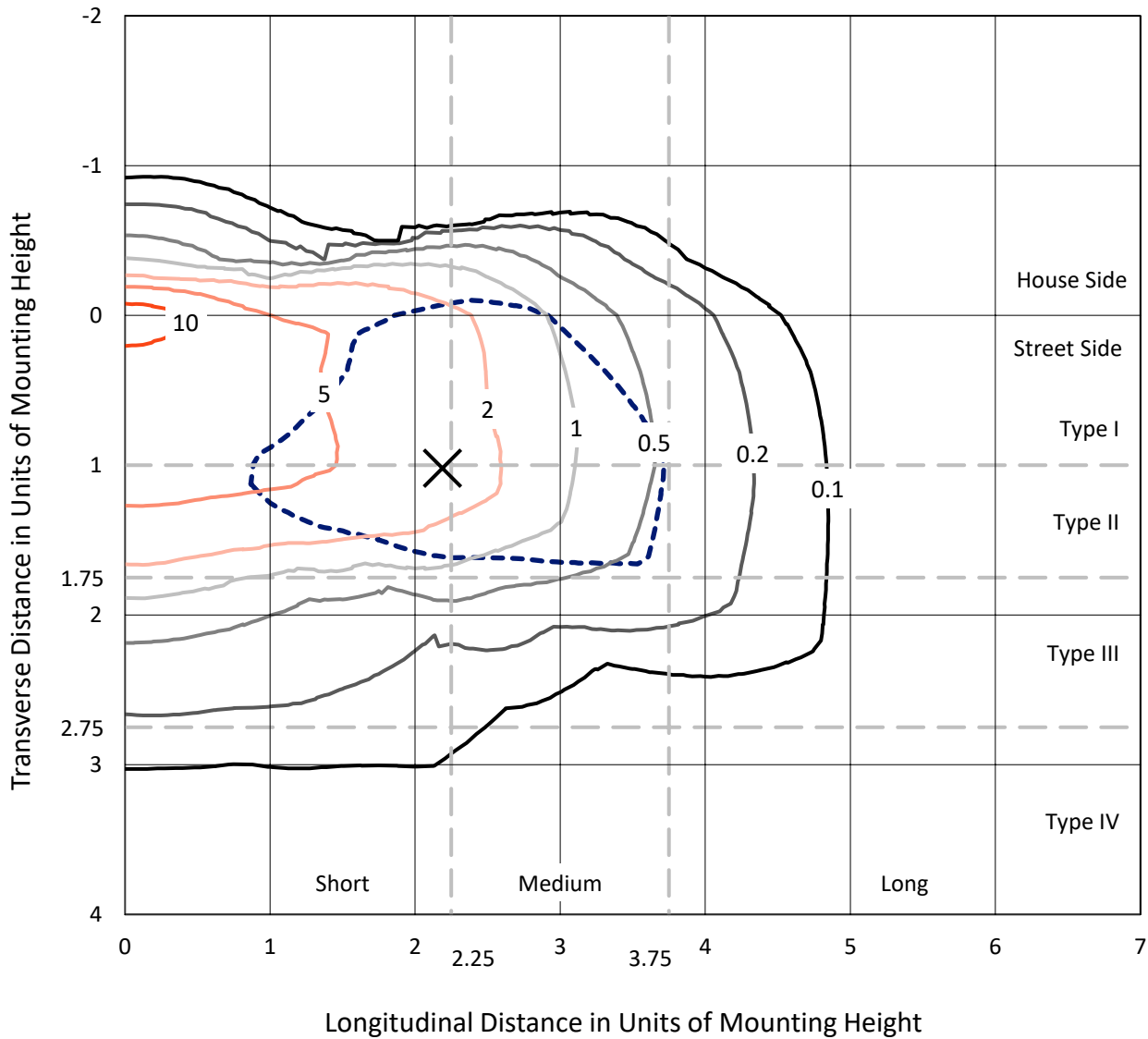
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631761
 CATALOG NUMBER: GWS-SA2B-735-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

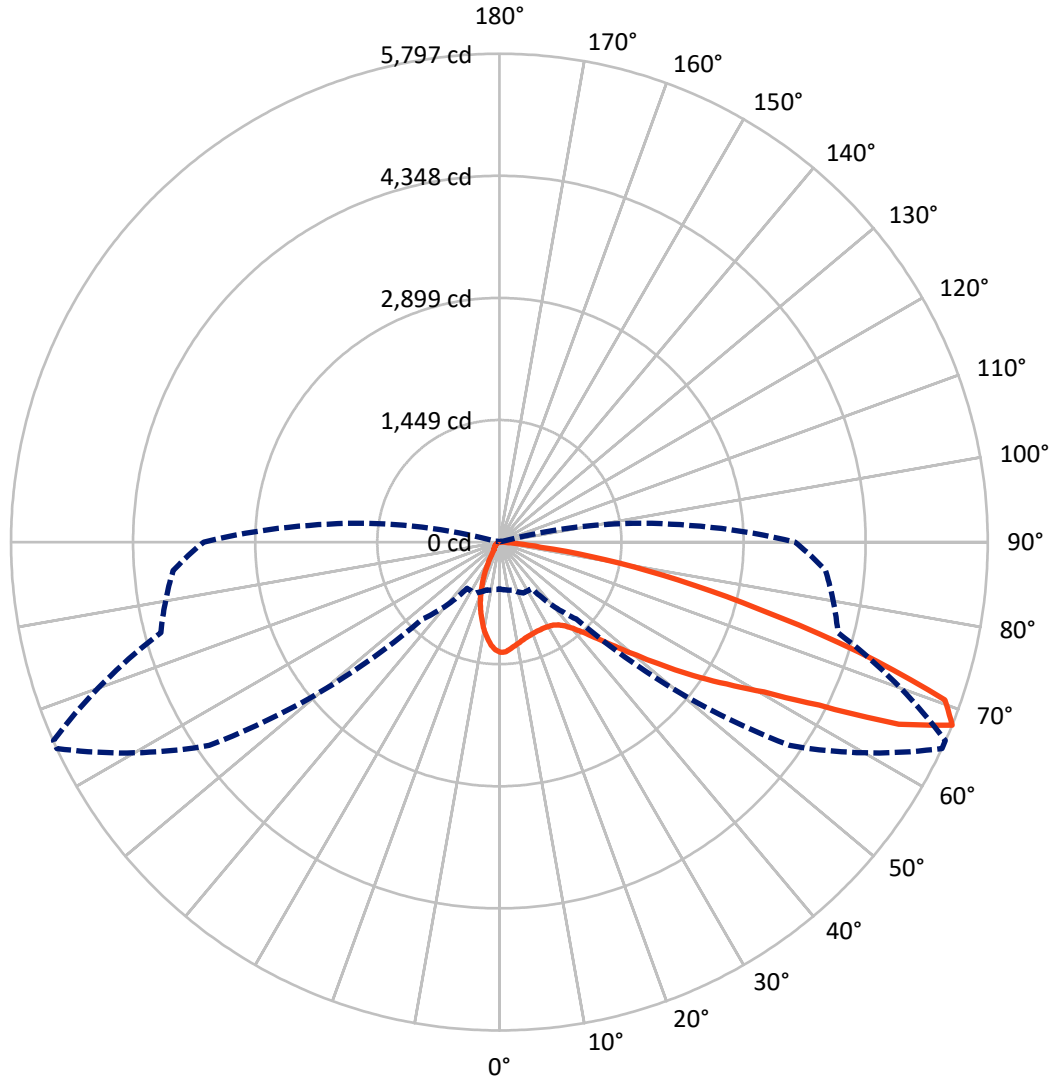
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
 Type II - Short - N/A

REPORT NUMBER: P631761
CATALOG NUMBER: GWS-SA2B-735-U-SL2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P631761

CATALOG NUMBER: GWS-SA2B-735-U-SL2-W-HSS

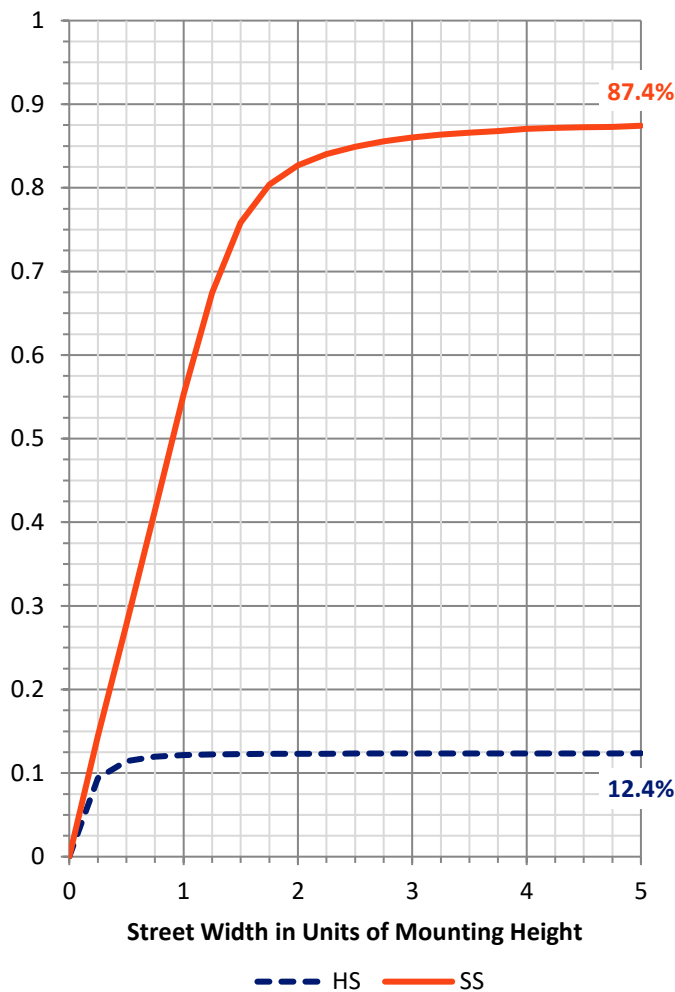
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	673.8	0.0	673.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	4721.9	0.0	4721.9
	% Fixture	87.5	0.0	87.5
Total	Lumens	5395.7	0.0	5395.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	2.0
10°-20°	244.3	4.5
20°-30°	349.1	6.5
30°-40°	507.9	9.4
40°-50°	795.5	14.7
50°-60°	1241.0	23.0
60°-70°	1363.2	25.3
70°-80°	725.5	13.4
80°-90°	60.4	1.1
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°	5395.7	100.0
0°-180°	5395.7	100.0

Coefficient of Utilization



REPORT NUMBER: P631761

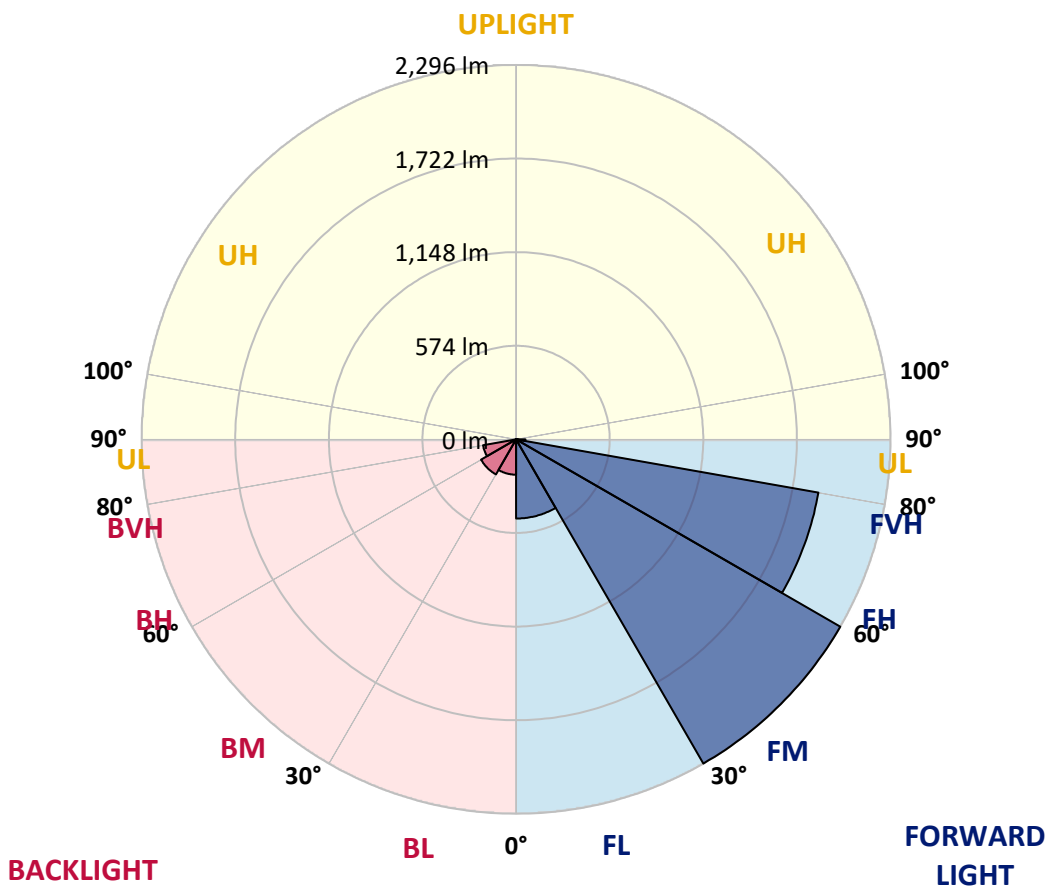
CATALOG NUMBER: GWS-SA2B-735-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	485.6	9.0			
FM (30°-60°)	2296.3	42.6			
FH (60°-80°)	1882.9	34.9			G2/5000
FVH (80°-90°)	57.2	1.1			G1/100
BL (0°-30°)	216.6	4.0	B1/500		
BM (30°-60°)	248.2	4.6	B1/1000		
BH (60°-80°)	205.8	3.8	B1/500		G1/500
BVH (80°-90°)	3.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





REPORT NUMBER: P631761

CATALOG NUMBER: GWS-SA2B-735-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1308.6	1308.6	1308.6	1308.6	1308.6	1308.6	1308.6	1308.6	1308.6	1308.6	1308.6
2.5°	1263.2	1267.2	1261.8	1275.0	1277.4	1292.0	1300.3	1306.2	1305.7	1313.0	1313.0
5°	1189.1	1193.0	1190.1	1204.2	1215.4	1238.4	1257.4	1279.4	1280.3	1302.8	1311.1
7.5°	1126.1	1126.6	1126.6	1144.2	1158.8	1187.1	1215.4	1249.1	1253.0	1287.6	1309.6
10°	1074.4	1075.9	1076.4	1096.4	1112.5	1146.6	1182.7	1223.2	1227.6	1274.5	1308.6
12.5°	1038.8	1039.3	1041.2	1062.2	1079.8	1115.4	1152.0	1198.4	1204.2	1259.3	1304.2
15°	1021.7	1020.7	1021.7	1039.3	1056.9	1091.0	1128.6	1178.4	1184.7	1246.7	1304.7
17.5°	1020.7	1019.3	1018.3	1031.5	1042.7	1073.0	1111.0	1165.2	1172.0	1240.8	1310.1
20°	1034.9	1033.9	1029.0	1034.9	1037.3	1062.2	1099.8	1154.9	1161.8	1239.8	1321.8
22.5°	1072.0	1069.5	1062.2	1056.9	1043.7	1058.3	1092.0	1147.6	1155.4	1242.3	1336.9
25°	1127.1	1126.1	1116.9	1103.7	1070.0	1064.2	1092.5	1147.6	1154.9	1245.2	1353.0
27.5°	1210.1	1204.2	1192.5	1169.6	1121.3	1087.1	1102.2	1150.5	1157.9	1249.1	1366.2
30°	1294.5	1294.0	1290.1	1266.7	1194.9	1131.0	1122.7	1158.3	1165.2	1252.5	1378.4
32.5°	1381.8	1383.3	1393.0	1375.0	1296.4	1196.4	1159.8	1174.4	1179.3	1259.3	1389.1
35°	1464.8	1467.7	1493.6	1499.9	1419.9	1295.5	1220.3	1206.6	1207.1	1274.5	1403.3
37.5°	1544.3	1554.1	1595.5	1626.3	1573.6	1415.5	1307.7	1261.3	1257.4	1304.7	1424.8
40°	1634.6	1653.1	1705.3	1757.5	1740.9	1574.1	1426.7	1345.2	1336.9	1360.3	1463.3
42.5°	1734.6	1754.6	1823.9	1897.1	1904.9	1765.8	1575.5	1467.7	1453.5	1454.0	1535.5
45°	1841.9	1868.8	1949.3	2054.7	2102.0	1979.5	1759.0	1633.1	1619.0	1598.0	1651.6
47.5°	1982.9	2006.4	2083.9	2205.4	2296.2	2208.9	1999.5	1845.8	1820.0	1789.2	1832.2
50°	2104.4	2124.9	2191.8	2344.0	2532.8	2504.5	2272.3	2111.8	2086.9	2034.7	2070.3
52.5°	2131.3	2147.4	2208.9	2380.1	2713.9	2877.8	2606.5	2433.3	2415.7	2319.1	2332.8
55°	2010.8	2035.2	2090.3	2280.6	2761.2	3242.8	3040.3	2795.8	2759.2	2605.1	2629.5
57.5°	1706.3	1749.7	1801.4	2048.8	2632.9	3437.0	3646.3	3179.8	3146.7	2880.2	2880.7
60°	1250.6	1285.7	1320.3	1546.7	2328.4	3423.8	4196.2	3611.2	3550.7	3105.2	3096.9
62.5°	909.5	927.6	927.1	1007.6	1598.9	3198.4	4485.0	4261.1	4120.1	3345.7	3298.4
65°	715.3	714.8	735.8	762.1	892.9	2468.9	4520.7	5210.1	5057.9	3668.3	3569.7
67.5°	556.7	567.5	588.4	666.0	670.9	1292.0	4207.4	5797.1	5794.2	4160.6	3887.3
70°	429.4	444.0	473.8	587.0	619.7	723.1	3148.1	5611.2	5658.5	4380.6	3662.4
72.5°	275.7	274.7	318.6	474.3	595.3	602.6	1740.9	4457.2	4510.9	3967.8	2961.2
75°	154.2	155.2	180.0	290.3	554.8	567.0	862.2	3178.4	3220.8	3093.5	2275.2
77.5°	60.5	62.5	84.4	152.7	365.9	506.5	512.3	2167.4	2173.7	1917.1	1395.5
80°	24.4	25.9	42.9	94.7	223.0	341.1	365.9	1276.9	1251.1	742.1	406.0
82.5°	7.3	7.8	17.1	53.7	116.6	242.5	246.9	489.9	462.6	159.6	103.4
85°	0.5	0.5	3.9	16.6	41.5	61.0	164.4	159.6	141.5	40.0	45.9
87.5°	0.0	0.0	0.5	0.5	1.0	2.0	17.6	29.3	29.8	7.3	20.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631761
 CATALOG NUMBER: GWS-SA2B-735-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1308.6	1308.6	1308.6	1308.6	1308.6	1308.6	1308.6	1308.6	1308.6	1308.6	1308.6
2.5°	1313.0	1295.5	1294.0	1280.3	1266.7	1249.6	1229.6	1214.9	1204.7	1186.6	1183.2
5°	1311.1	1287.6	1265.7	1226.7	1183.2	1136.4	1095.4	1057.3	1033.4	1017.3	1010.5
7.5°	1307.2	1277.4	1226.7	1153.0	1080.3	998.3	934.4	875.8	835.8	812.4	802.2
10°	1304.2	1264.2	1181.8	1070.0	957.3	844.1	747.0	660.2	611.9	573.8	567.5
12.5°	1298.4	1245.2	1124.2	972.9	827.5	677.2	553.3	446.9	373.3	340.1	328.4
15°	1292.5	1225.2	1066.6	870.5	686.0	500.6	350.3	247.9	197.1	181.5	180.5
17.5°	1291.5	1207.1	1004.2	773.4	537.7	327.9	199.6	160.5	149.8	145.9	145.9
20°	1294.5	1192.0	942.7	661.6	391.8	199.6	148.8	139.1	132.7	129.3	129.3
22.5°	1297.4	1176.4	883.6	548.9	260.1	145.9	131.3	123.0	115.6	111.7	109.8
25°	1299.4	1159.3	818.3	435.7	169.8	126.9	115.2	104.4	95.6	90.8	90.8
27.5°	1298.9	1138.8	752.4	325.0	131.7	112.7	98.6	87.3	78.6	73.2	73.7
30°	1295.0	1116.4	684.1	226.9	115.2	98.6	84.4	72.7	63.9	59.5	59.0
32.5°	1292.0	1092.5	605.0	159.6	103.4	86.4	71.7	60.5	53.2	49.8	49.3
35°	1288.6	1069.1	529.9	121.5	93.2	74.7	60.5	51.2	45.4	42.4	42.4
37.5°	1289.6	1044.7	448.4	104.4	82.9	64.9	51.7	43.9	39.0	36.1	35.6
40°	1304.7	1030.0	368.4	94.7	73.7	56.1	44.9	38.1	33.2	30.3	29.8
42.5°	1342.3	1030.5	291.8	87.3	65.4	47.8	39.0	32.7	28.3	24.9	24.4
45°	1417.4	1051.0	224.0	79.5	56.6	41.5	33.7	27.8	23.4	20.5	20.0
47.5°	1540.4	1112.0	169.8	72.7	49.3	36.1	28.8	23.4	19.5	17.1	16.6
50°	1736.1	1222.3	133.7	64.4	41.5	31.2	24.4	19.5	16.1	13.7	13.2
52.5°	1971.2	1387.7	114.7	57.1	35.6	27.3	21.0	16.1	13.2	11.2	10.7
55°	2241.5	1585.3	105.9	49.8	30.3	23.4	17.1	13.2	10.7	9.3	8.3
57.5°	2489.4	1763.4	105.4	42.4	25.9	20.0	14.1	11.2	9.3	7.3	6.8
60°	2730.9	1912.2	99.0	35.1	22.4	16.6	12.2	9.3	7.8	6.3	5.9
62.5°	2950.0	2033.2	82.9	28.3	19.0	13.7	10.2	8.3	6.8	5.4	5.4
65°	3225.2	2187.4	63.4	22.9	15.6	11.2	8.8	7.3	6.3	4.9	4.9
67.5°	3509.7	2268.9	45.4	19.0	12.7	9.8	7.8	6.8	5.4	4.4	4.4
70°	3178.9	1917.1	32.7	15.6	10.7	8.3	6.8	6.3	5.4	4.4	3.9
72.5°	2482.6	1382.3	24.4	12.2	9.3	7.8	6.3	5.9	4.9	3.9	3.9
75°	1841.0	806.1	18.5	9.8	7.3	6.3	6.3	5.9	4.9	3.9	3.4
77.5°	1000.7	281.0	14.1	7.8	5.9	4.9	5.4	5.4	4.4	3.4	2.9
80°	264.9	77.1	9.8	5.9	4.9	3.9	3.9	4.9	3.9	2.9	2.9
82.5°	77.1	22.4	6.8	4.9	3.9	3.4	3.4	3.4	2.9	2.4	2.0
85°	37.6	8.3	4.9	3.9	3.4	2.9	2.4	2.4	2.0	1.5	1.5
87.5°	16.6	3.4	3.9	3.4	3.4	2.4	2.0	1.5	1.5	1.0	0.5
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)