

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: P631789

Luminaire Tested: GWS-SA2B-735-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-735-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6811.3 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

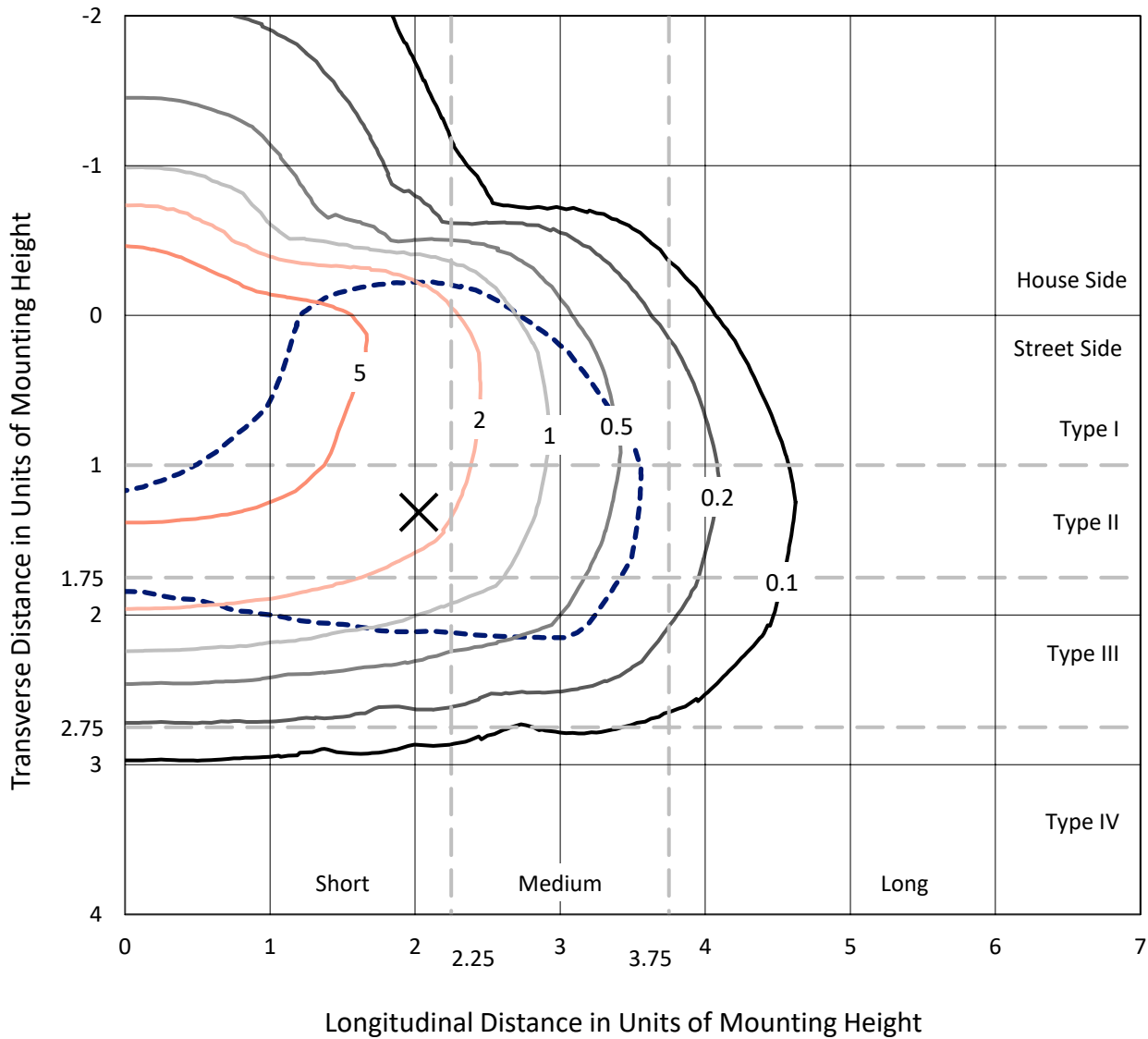
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

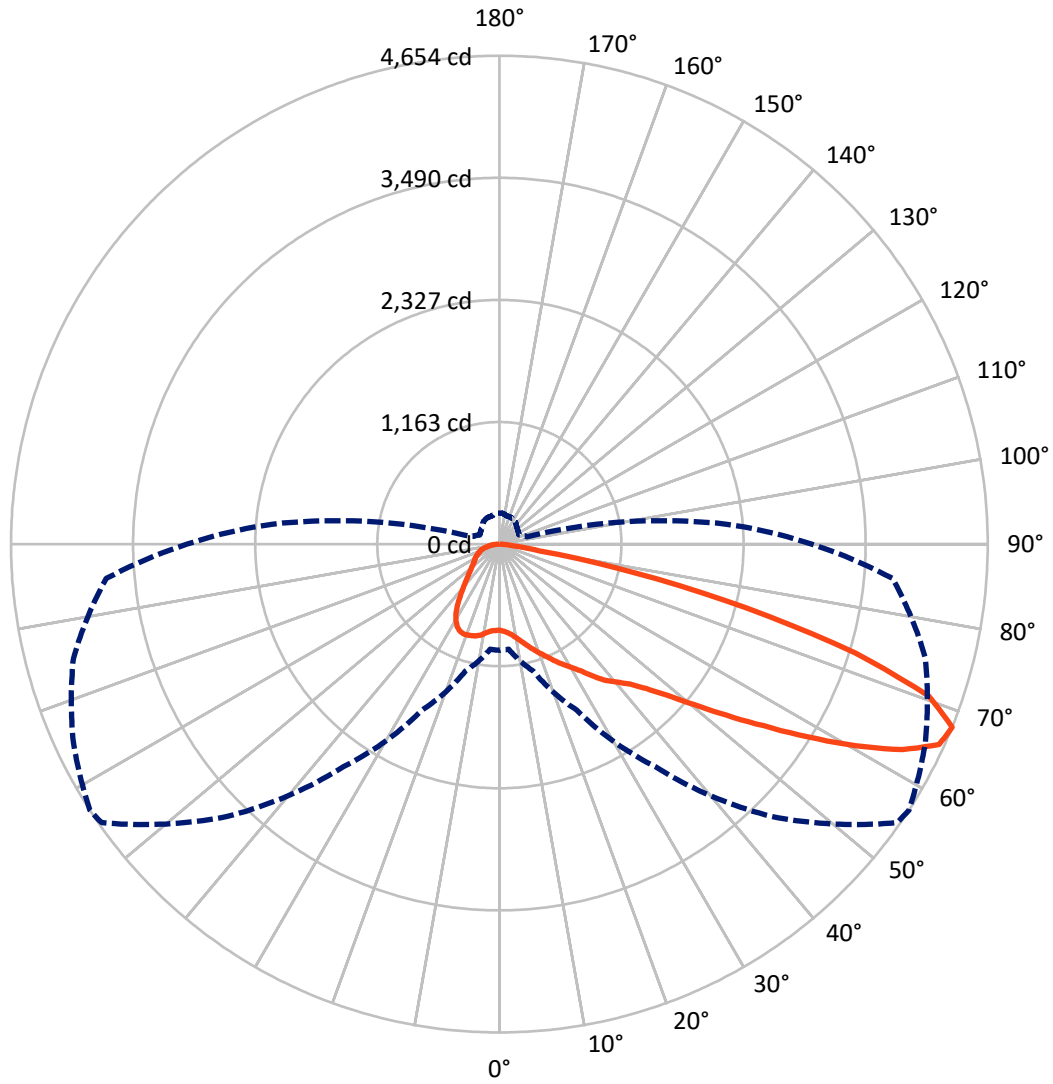
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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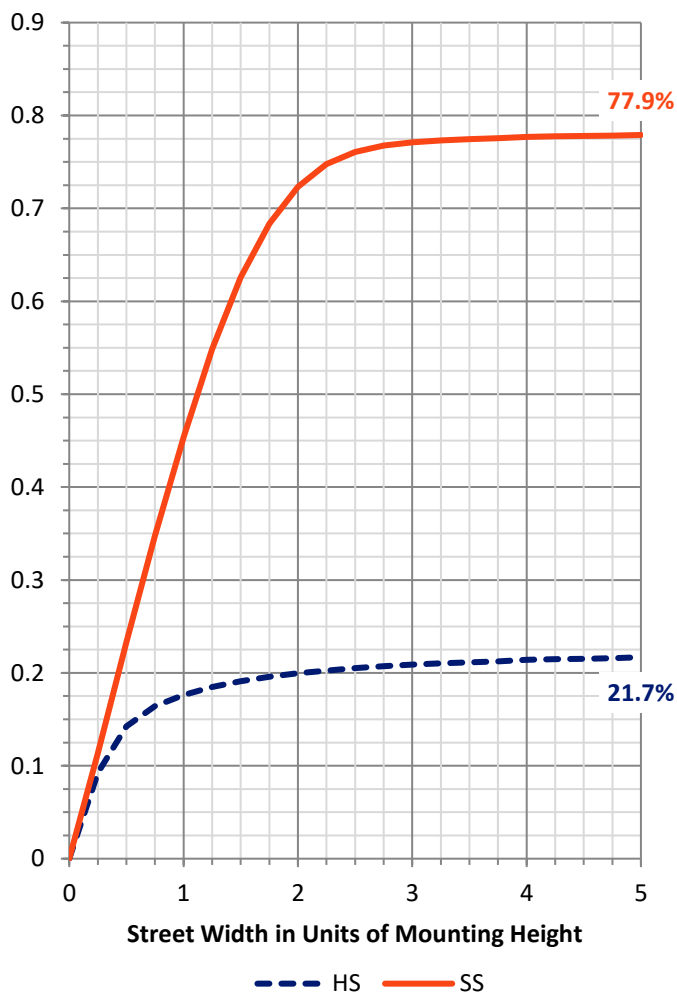
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1497.5	0.0	1497.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	5313.8	0.0	5313.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	6811.3	0.0	6811.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	1.2
10°-20°	269.5	4.0
20°-30°	480.4	7.1
30°-40°	698.5	10.3
40°-50°	1010.9	14.8
50°-60°	1582.0	23.2
60°-70°	1845.5	27.1
70°-80°	770.4	11.3
80°-90°	72.7	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°	6811.3	100.0
0°-180°	6811.3	100.0

Coefficient of Utilization



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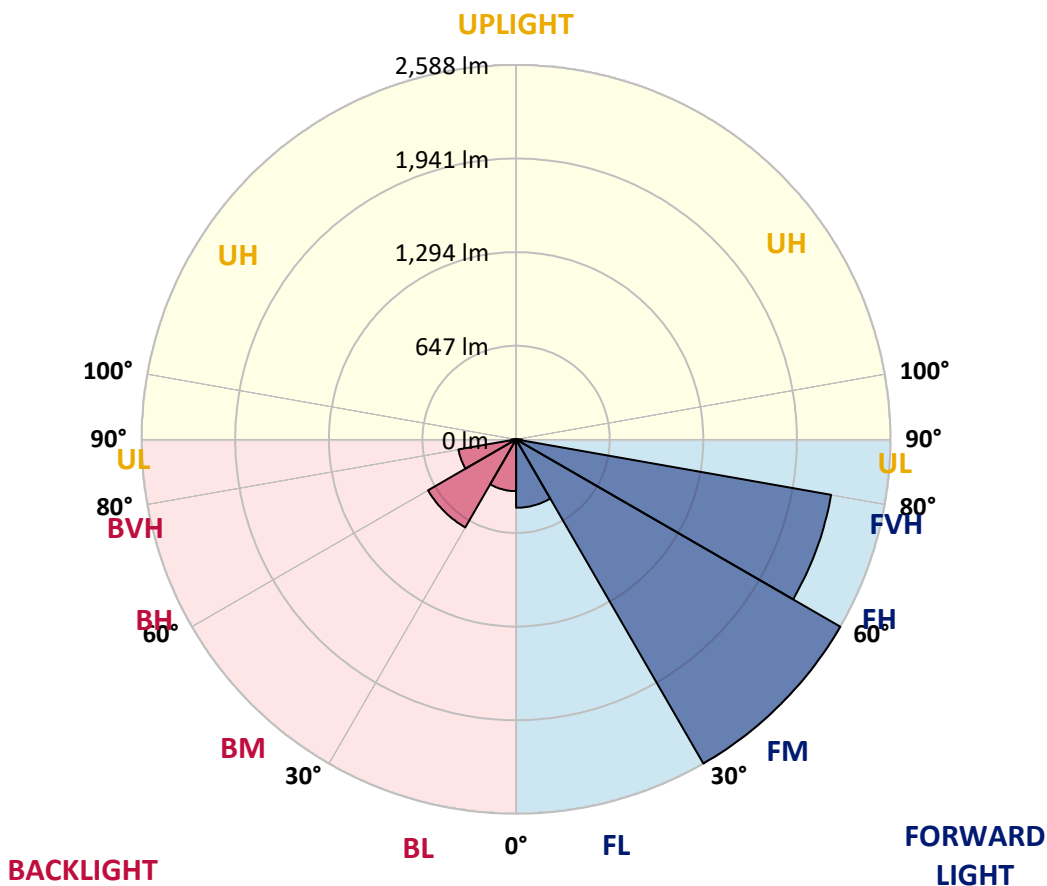
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.1	6.9			
FM (30°-60°)	2588.4	38.0			
FH (60°-80°)	2211.7	32.5			G2/5000
FVH (80°-90°)	40.5	0.6			G1/100
BL (0°-30°)	358.2	5.3	B1/500		
BM (30°-60°)	703.0	10.3	B1/1000		
BH (60°-80°)	404.2	5.9	B1/500		G1/500
BVH (80°-90°)	32.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7
2.5°	832.4	831.4	831.0	833.9	832.9	832.4	832.4	831.9	831.0	827.1	821.7
5°	855.4	853.4	851.5	853.9	851.9	850.0	849.5	848.5	845.1	839.3	831.0
7.5°	879.3	877.3	877.8	879.3	877.8	876.8	875.4	874.4	869.0	859.8	848.5
10°	912.9	912.9	913.9	915.4	915.9	914.4	911.5	910.0	903.7	892.0	876.3
12.5°	961.7	960.8	960.8	959.8	961.2	959.8	956.9	954.4	946.6	931.5	909.0
15°	1026.1	1022.2	1018.8	1012.5	1010.5	1005.2	1006.1	1004.7	997.3	976.9	948.6
17.5°	1094.9	1094.4	1089.1	1076.4	1063.7	1054.9	1056.9	1056.4	1052.5	1024.7	988.6
20°	1155.4	1157.9	1153.0	1143.2	1126.2	1109.6	1108.6	1111.0	1106.2	1078.3	1028.1
22.5°	1223.3	1221.3	1216.4	1203.7	1191.1	1173.5	1167.6	1165.7	1163.7	1132.0	1068.6
25°	1287.7	1293.5	1287.2	1275.5	1256.0	1236.9	1232.0	1234.0	1228.6	1186.7	1112.0
27.5°	1369.2	1371.6	1367.7	1351.6	1335.0	1308.2	1298.9	1298.9	1296.9	1237.9	1146.2
30°	1456.0	1462.8	1456.0	1442.8	1425.8	1387.2	1367.2	1365.3	1359.4	1290.6	1186.2
32.5°	1543.4	1548.2	1543.4	1530.7	1511.2	1477.5	1448.7	1444.3	1436.5	1348.2	1227.2
35°	1620.9	1625.3	1624.4	1627.3	1611.2	1568.7	1551.2	1549.2	1528.7	1423.3	1282.8
37.5°	1705.8	1711.2	1703.9	1709.7	1703.4	1663.4	1658.0	1648.3	1619.0	1494.1	1341.3
40°	1802.5	1807.3	1795.6	1798.1	1790.7	1768.3	1741.0	1727.8	1684.4	1570.7	1433.6
42.5°	1905.9	1917.1	1922.5	1918.1	1901.0	1888.3	1840.5	1823.9	1787.8	1708.8	1585.3
45°	2055.7	2072.3	2080.1	2068.9	2061.5	2043.5	1984.9	1964.9	1945.9	1903.5	1797.1
47.5°	2217.2	2232.3	2257.2	2262.1	2267.9	2254.3	2171.8	2152.3	2155.7	2150.8	2057.6
50°	2346.0	2358.7	2414.8	2474.8	2524.6	2528.5	2423.1	2402.1	2420.7	2436.3	2371.4
52.5°	2439.7	2450.9	2525.1	2649.0	2761.7	2845.2	2731.5	2707.6	2722.7	2757.8	2728.1
55°	2515.8	2531.4	2609.0	2799.3	3027.2	3158.9	3086.2	3056.0	3049.6	3093.1	3110.1
57.5°	2555.8	2560.7	2669.5	2916.9	3221.9	3466.8	3498.5	3464.4	3403.9	3427.8	3516.6
60°	2464.6	2472.9	2621.7	2947.2	3375.6	3772.3	3931.3	3903.0	3774.2	3787.4	3885.5
62.5°	2212.3	2224.0	2403.1	2803.2	3388.3	3976.2	4331.0	4312.9	4140.2	4068.9	4098.2
65°	1774.6	1778.5	1964.0	2447.0	3136.0	4001.6	4609.6	4605.2	4395.9	4229.0	4103.6
67.5°	1012.0	1005.2	1253.0	1745.4	2588.0	3671.7	4627.6	4653.5	4478.8	4202.6	3762.0
70°	438.7	439.6	553.8	861.2	1675.1	2967.7	4298.3	4342.7	4238.7	3764.0	2993.0
72.5°	203.0	205.9	255.2	372.8	715.3	1841.0	3504.9	3544.9	3455.6	3012.5	2177.7
75°	143.5	145.9	170.3	213.7	328.9	717.3	2344.6	2428.5	2471.9	2253.3	1435.0
77.5°	108.8	112.2	124.4	148.3	203.0	254.2	1121.8	1321.8	1574.6	1401.9	739.2
80°	69.3	69.3	82.5	99.1	123.9	132.2	324.0	384.0	770.5	577.7	290.3
82.5°	46.8	48.3	56.1	62.9	71.2	75.1	139.1	148.3	222.5	196.6	119.5
85°	24.9	25.9	29.3	28.8	34.2	29.8	58.6	58.1	81.5	89.3	45.4
87.5°	0.0	0.0	0.5	0.5	1.0	1.5	6.3	6.8	17.1	27.3	15.1
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°	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7	820.7
2.5°	824.6	818.8	821.7	820.7	823.6	823.6	818.3	816.8	817.3	811.4	809.5
5°	831.9	825.1	826.6	824.6	827.5	830.0	827.5	827.5	830.5	826.1	823.6
7.5°	848.5	840.7	840.7	838.3	841.7	843.6	841.7	844.6	850.0	845.6	843.2
10°	874.9	865.6	866.1	863.2	864.6	863.7	855.8	853.4	854.9	851.0	849.0
12.5°	909.0	896.3	896.3	890.5	887.1	876.8	860.7	854.9	855.8	852.4	851.0
15°	941.7	930.0	927.6	915.9	900.2	881.2	866.6	862.7	863.7	860.2	857.8
17.5°	980.3	965.1	956.4	934.9	906.1	886.6	871.9	862.7	854.9	847.1	845.1
20°	1015.9	996.9	980.8	947.6	912.4	885.6	858.3	835.4	816.3	806.1	803.6
22.5°	1052.5	1028.1	999.8	956.4	912.0	868.0	817.8	783.1	754.8	739.7	742.6
25°	1087.1	1056.4	1017.8	964.7	896.3	829.0	760.7	709.0	676.8	665.1	661.6
27.5°	1115.9	1077.9	1034.4	960.8	864.1	772.9	682.6	625.1	593.8	580.6	577.2
30°	1148.1	1105.2	1058.3	942.7	813.4	694.3	594.3	547.5	525.0	512.3	512.8
32.5°	1185.2	1140.3	1092.0	908.1	748.5	609.4	521.6	489.4	471.4	458.7	456.7
35°	1235.0	1190.6	1114.5	855.8	666.0	531.4	471.8	445.5	423.0	406.5	403.0
37.5°	1296.5	1266.2	1116.9	786.1	577.7	477.7	436.2	407.9	380.6	358.6	356.2
40°	1401.9	1367.2	1096.9	698.7	502.6	443.0	406.5	373.8	342.0	317.6	314.2
42.5°	1552.1	1480.9	1054.0	600.2	446.0	415.7	378.2	336.7	304.5	287.4	285.0
45°	1743.4	1607.8	989.5	507.5	404.0	388.9	348.4	305.0	287.9	275.7	273.2
47.5°	1977.6	1755.6	915.4	435.2	371.3	364.5	318.1	294.2	279.1	268.9	266.4
50°	2257.7	1944.0	854.4	378.6	342.0	336.2	308.4	287.9	275.7	267.4	265.4
52.5°	2577.3	2153.3	824.6	338.1	316.7	310.8	305.0	286.4	276.2	269.8	267.4
55°	2909.1	2373.8	796.8	306.9	295.2	298.6	305.5	291.3	283.5	275.2	272.8
57.5°	3229.7	2580.7	728.5	282.5	279.6	292.8	307.9	296.2	286.9	278.6	275.7
60°	3450.7	2693.9	612.9	263.0	267.9	285.4	301.5	288.9	277.1	273.7	272.3
62.5°	3510.2	2680.3	475.7	243.0	253.7	269.3	285.0	276.7	264.5	269.8	270.3
65°	3371.2	2533.9	357.2	223.5	235.2	248.4	267.9	264.5	260.1	274.7	275.2
67.5°	2977.4	2174.3	272.3	206.4	216.2	232.3	262.5	276.7	277.6	296.2	294.2
70°	2252.8	1624.4	213.2	190.3	201.5	232.3	279.6	285.9	274.2	291.3	287.4
72.5°	1557.5	1072.0	181.5	176.1	183.5	221.5	279.1	279.1	266.4	266.4	259.1
75°	967.6	630.4	158.1	158.1	158.1	193.7	271.3	257.1	234.7	224.5	218.6
77.5°	477.7	306.4	132.7	137.6	132.2	162.0	221.5	210.3	196.6	185.9	182.0
80°	204.0	153.2	107.3	112.7	106.4	122.0	175.7	173.2	160.0	145.9	141.5
82.5°	93.7	79.0	85.9	88.3	77.6	91.7	128.3	128.3	121.0	101.5	94.2
85°	40.0	42.0	59.5	59.5	48.8	51.7	68.8	65.4	58.6	47.8	43.9
87.5°	13.7	20.5	30.3	26.3	10.2	4.4	2.4	1.0	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)