

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: P630799

Luminaire Tested: GWS-SA1E-735-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630799
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-SA1E-735-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7478.8 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

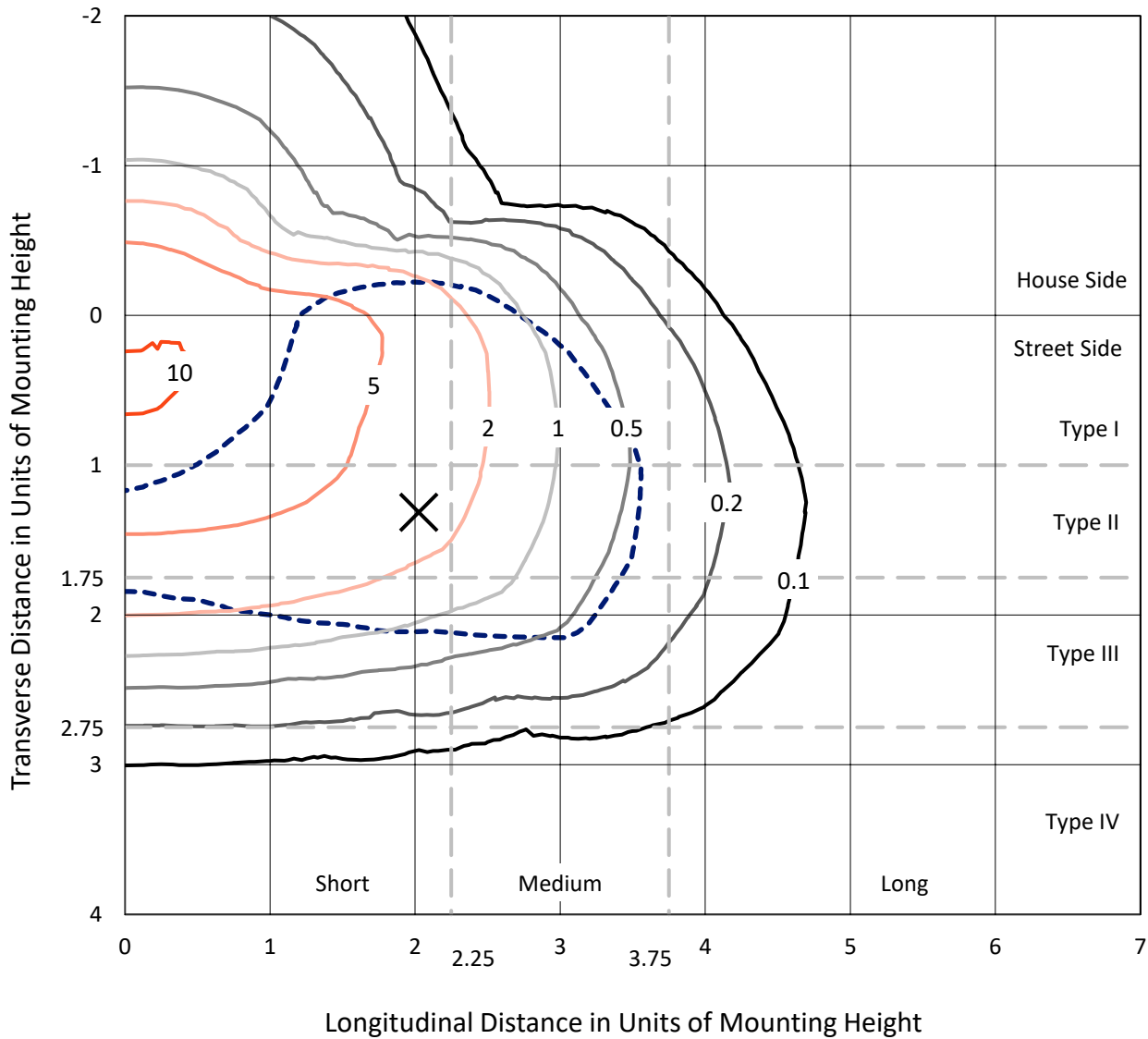
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

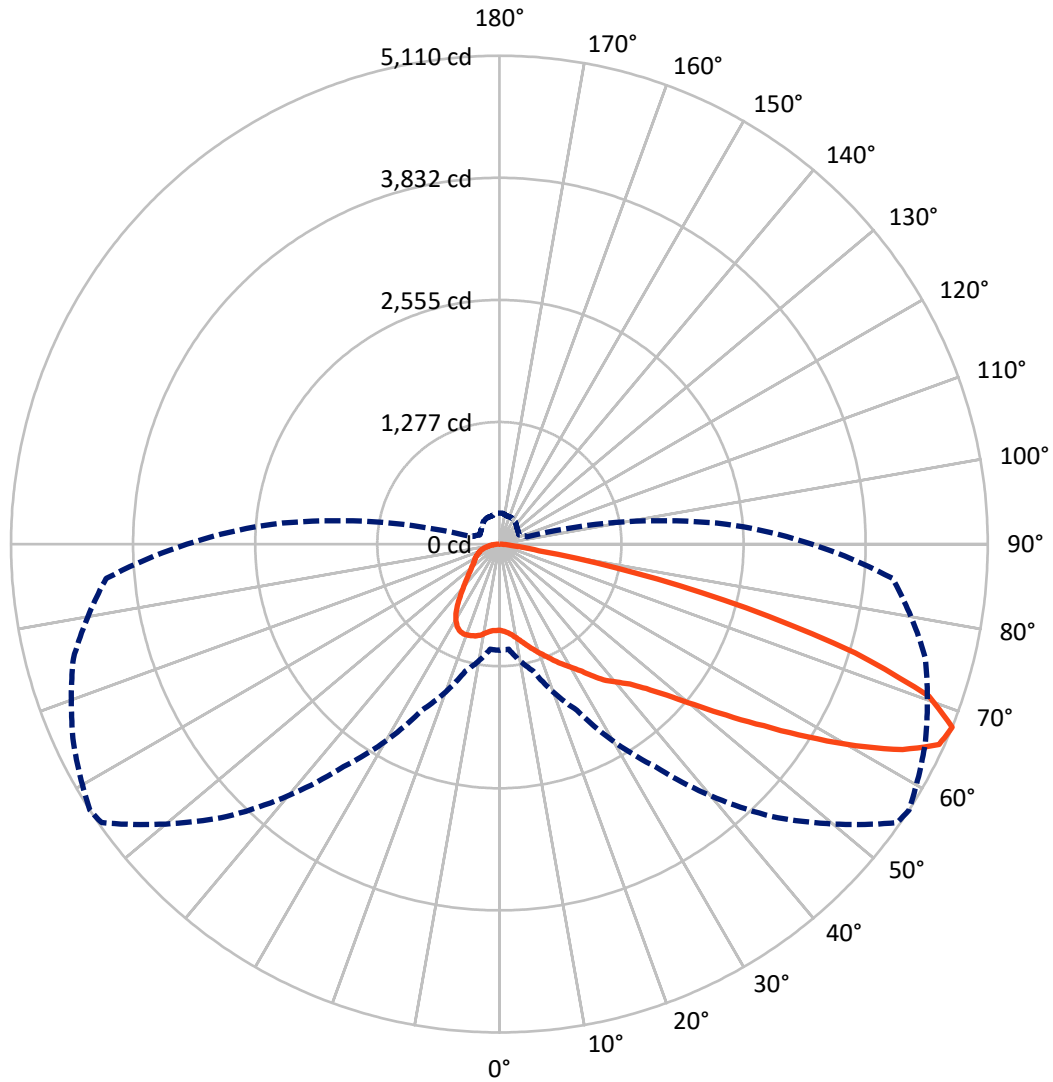
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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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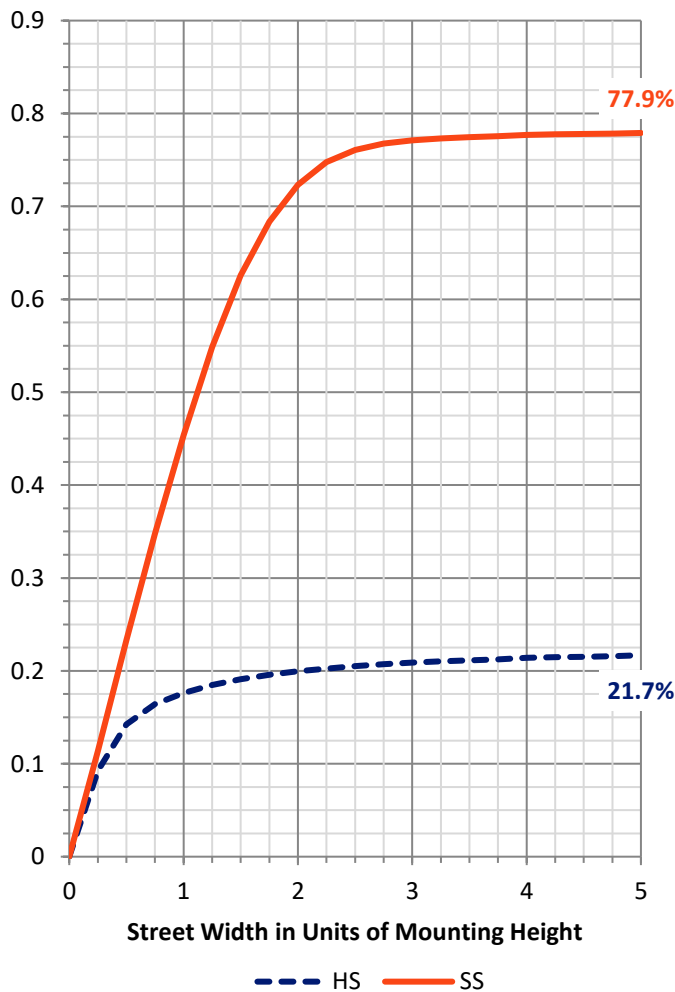
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1644.3	0.0	1644.3
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	5834.5	0.0	5834.5
	% Fixture	78.0	0.0	78.0
Total	Lumens	7478.8	0.0	7478.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	1.2
10°-20°	295.9	4.0
20°-30°	527.5	7.1
30°-40°	766.9	10.3
40°-50°	1110.0	14.8
50°-60°	1737.1	23.2
60°-70°	2026.4	27.1
70°-80°	845.9	11.3
80°-90°	79.8	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°	7478.8	100.0
0°-180°	7478.8	100.0

Coefficient of Utilization



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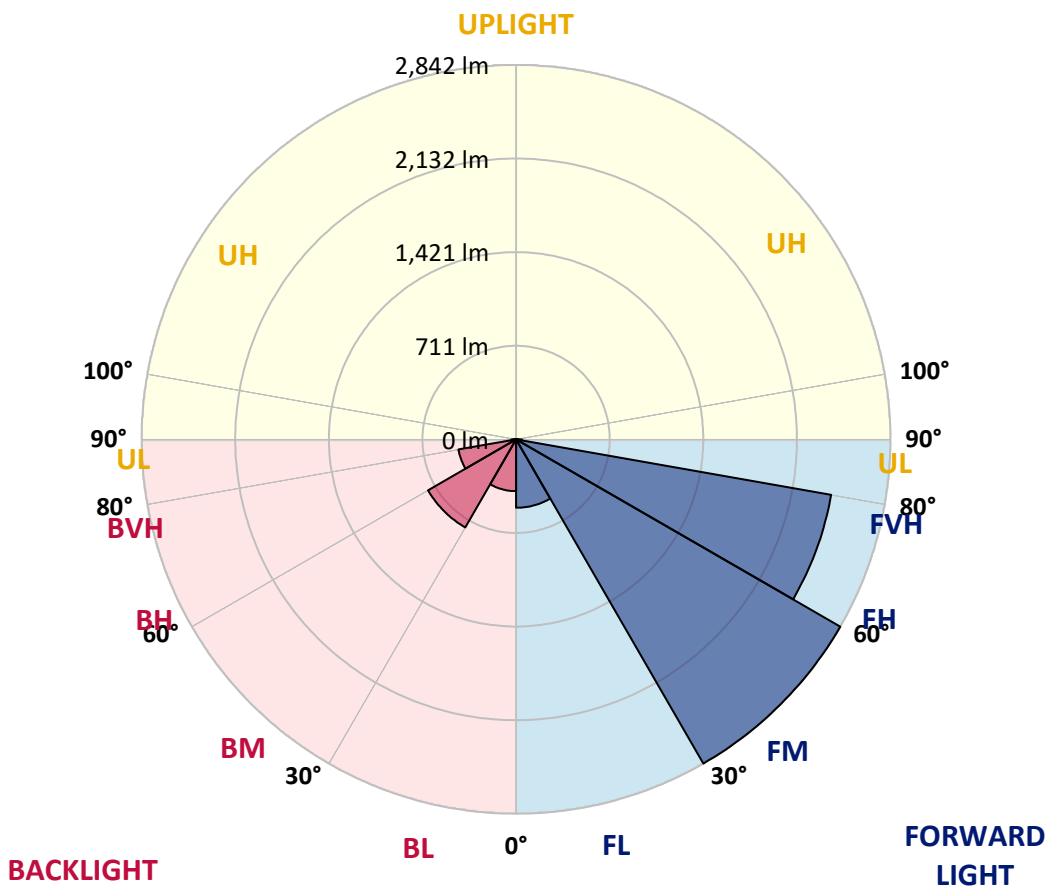
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	519.5	6.9			
FM (30°-60°)	2842.1	38.0			
FH (60°-80°)	2428.5	32.5			G2/5000
FVH (80°-90°)	44.5	0.6			G1/100
BL (0°-30°)	393.3	5.3	B1/500		
BM (30°-60°)	771.9	10.3	B1/1000		
BH (60°-80°)	443.8	5.9	B1/500		G1/500
BVH (80°-90°)	35.4	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°	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1
2.5°	914.0	912.9	912.4	915.6	914.5	914.0	914.0	913.5	912.4	908.1	902.2
5°	939.2	937.0	934.9	937.6	935.4	933.3	932.8	931.7	927.9	921.5	912.4
7.5°	965.4	963.3	963.8	965.4	963.8	962.8	961.1	960.1	954.2	944.0	931.7
10°	1002.4	1002.4	1003.5	1005.1	1005.6	1004.0	1000.8	999.2	992.2	979.4	962.2
12.5°	1056.0	1054.9	1054.9	1053.8	1055.4	1053.8	1050.6	1047.9	1039.4	1022.8	998.1
15°	1126.7	1122.4	1118.7	1111.7	1109.6	1103.7	1104.7	1103.1	1095.1	1072.6	1041.5
17.5°	1202.2	1201.7	1195.8	1181.9	1168.0	1158.3	1160.5	1159.9	1155.6	1125.1	1085.4
20°	1268.7	1271.4	1266.0	1255.3	1236.5	1218.3	1217.2	1219.9	1214.6	1184.0	1128.8
22.5°	1343.1	1341.0	1335.6	1321.7	1307.8	1288.5	1282.1	1279.9	1277.8	1243.0	1173.3
25°	1413.9	1420.3	1413.3	1400.5	1379.0	1358.1	1352.8	1354.9	1349.0	1303.0	1221.0
27.5°	1503.3	1506.0	1501.7	1484.0	1465.8	1436.4	1426.2	1426.2	1424.0	1359.2	1258.5
30°	1598.7	1606.2	1598.7	1584.2	1565.5	1523.2	1501.2	1499.1	1492.6	1417.1	1302.4
32.5°	1694.6	1700.0	1694.6	1680.7	1659.2	1622.3	1590.7	1585.8	1577.3	1480.3	1347.4
35°	1779.8	1784.6	1783.5	1786.8	1769.1	1722.5	1703.2	1701.0	1678.5	1562.8	1408.5
37.5°	1873.0	1878.9	1870.9	1877.3	1870.3	1826.4	1820.5	1809.8	1777.6	1640.5	1472.8
40°	1979.1	1984.4	1971.6	1974.3	1966.2	1941.6	1911.6	1897.1	1849.4	1724.6	1574.1
42.5°	2092.7	2105.0	2110.9	2106.1	2087.3	2073.4	2020.9	2002.7	1963.0	1876.2	1740.7
45°	2257.1	2275.4	2283.9	2271.6	2263.6	2243.8	2179.5	2157.5	2136.6	2090.0	1973.2
47.5°	2434.5	2451.1	2478.4	2483.8	2490.2	2475.2	2384.7	2363.2	2367.0	2361.6	2259.3
50°	2575.9	2589.9	2651.5	2717.4	2772.0	2776.3	2660.6	2637.5	2657.9	2675.0	2603.8
52.5°	2678.8	2691.1	2772.5	2908.6	3032.4	3124.0	2999.2	2972.9	2989.5	3028.1	2995.4
55°	2762.4	2779.5	2864.7	3073.6	3323.8	3468.5	3388.7	3355.5	3348.5	3396.2	3414.9
57.5°	2806.3	2811.7	2931.1	3202.8	3537.6	3806.6	3841.4	3803.9	3737.4	3763.7	3861.2
60°	2706.1	2715.2	2878.6	3236.0	3706.4	4141.9	4316.6	4285.5	4144.1	4158.6	4266.2
62.5°	2429.1	2442.0	2638.6	3077.9	3720.3	4365.9	4755.4	4735.6	4545.9	4467.7	4499.8
65°	1948.6	1952.8	2156.4	2686.8	3443.3	4393.7	5061.3	5056.5	4826.6	4643.4	4505.7
67.5°	1111.2	1103.7	1375.8	1916.4	2841.7	4031.6	5081.1	5109.5	4917.7	4614.5	4130.7
70°	481.6	482.7	608.1	945.6	1839.3	3258.5	4719.5	4768.2	4654.1	4132.8	3286.3
72.5°	222.9	226.1	280.2	409.3	785.4	2021.4	3848.3	3892.3	3794.2	3307.8	2391.1
75°	157.5	160.2	187.0	234.7	361.1	787.6	2574.3	2666.5	2714.1	2474.1	1575.7
77.5°	119.5	123.2	136.6	162.9	222.9	279.1	1231.7	1451.4	1728.9	1539.2	811.7
80°	76.1	76.1	90.5	108.8	136.1	145.2	355.7	421.6	846.0	634.3	318.8
82.5°	51.4	53.0	61.6	69.1	78.2	82.5	152.7	162.9	244.3	215.9	131.3
85°	27.3	28.4	32.1	31.6	37.5	32.7	64.3	63.8	89.5	98.0	49.8
87.5°	0.0	0.0	0.5	0.5	1.1	1.6	7.0	7.5	18.8	30.0	16.6
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°	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1
2.5°	905.4	899.0	902.2	901.1	904.4	904.4	898.5	896.9	897.4	891.0	888.8
5°	913.5	906.0	907.6	905.4	908.6	911.3	908.6	908.6	911.9	907.0	904.4
7.5°	931.7	923.1	923.1	920.4	924.2	926.3	924.2	927.4	933.3	928.5	925.8
10°	960.6	950.4	951.0	947.8	949.4	948.3	939.7	937.0	938.6	934.4	932.2
12.5°	998.1	984.2	984.2	977.8	974.0	962.8	945.1	938.6	939.7	936.0	934.4
15°	1034.0	1021.2	1018.5	1005.6	988.5	967.6	951.5	947.2	948.3	944.5	941.9
17.5°	1076.3	1059.7	1050.1	1026.5	994.9	973.5	957.4	947.2	938.6	930.1	927.9
20°	1115.4	1094.6	1076.9	1040.4	1001.9	972.4	942.4	917.2	896.3	885.1	882.4
22.5°	1155.6	1128.8	1097.8	1050.1	1001.3	953.1	897.9	859.9	828.8	812.2	815.4
25°	1193.7	1159.9	1117.6	1059.2	984.2	910.3	835.2	778.5	743.1	730.2	726.5
27.5°	1225.3	1183.5	1135.8	1054.9	948.8	848.6	749.5	686.3	652.0	637.6	633.8
30°	1260.6	1213.5	1162.1	1035.1	893.1	762.4	652.6	601.1	576.5	562.5	563.1
32.5°	1301.4	1252.1	1199.0	997.0	821.9	669.2	572.7	537.4	517.5	503.6	501.5
35°	1356.0	1307.2	1223.7	939.7	731.3	583.4	518.1	489.1	464.5	446.3	442.5
37.5°	1423.5	1390.3	1226.3	863.1	634.3	524.5	479.0	447.9	417.9	393.8	391.1
40°	1539.2	1501.2	1204.4	767.2	551.8	486.5	446.3	410.4	375.6	348.8	345.0
42.5°	1704.2	1626.0	1157.2	659.0	489.7	456.5	415.2	369.7	334.3	315.6	312.9
45°	1914.3	1765.3	1086.5	557.2	443.6	427.0	382.5	334.8	316.1	302.7	300.0
47.5°	2171.4	1927.7	1005.1	477.9	407.7	400.2	349.3	323.1	306.5	295.2	292.5
50°	2479.0	2134.5	938.1	415.7	375.6	369.1	338.6	316.1	302.7	293.6	291.5
52.5°	2829.9	2364.3	905.4	371.3	347.7	341.3	334.8	314.5	303.2	296.3	293.6
55°	3194.2	2606.5	874.9	337.0	324.1	327.9	335.4	319.8	311.3	302.2	299.5
57.5°	3546.2	2833.6	799.9	310.2	307.0	321.5	338.1	325.2	315.0	305.9	302.7
60°	3788.9	2957.9	672.9	288.8	294.1	313.4	331.1	317.2	304.3	300.6	299.0
62.5°	3854.2	2942.9	522.4	266.8	278.6	295.7	312.9	303.8	290.4	296.3	296.8
65°	3701.6	2782.2	392.2	245.4	258.2	272.7	294.1	290.4	285.6	301.6	302.2
67.5°	3269.2	2387.3	299.0	226.6	237.3	255.0	288.2	303.8	304.8	325.2	323.1
70°	2473.6	1783.5	234.1	208.9	221.3	255.0	307.0	314.0	301.1	319.8	315.6
72.5°	1710.1	1177.1	199.3	193.4	201.4	243.2	306.5	306.5	292.5	292.5	284.5
75°	1062.4	692.2	173.6	173.6	173.6	212.7	297.9	282.3	257.7	246.4	240.0
77.5°	524.5	336.5	145.7	151.1	145.2	177.9	243.2	230.9	215.9	204.1	199.8
80°	223.9	168.2	117.9	123.8	116.8	133.9	192.9	190.2	175.7	160.2	155.4
82.5°	102.9	86.8	94.3	97.0	85.2	100.7	140.9	140.9	132.9	111.4	103.4
85°	43.9	46.1	65.4	65.4	53.6	56.8	75.5	71.8	64.3	52.5	48.2
87.5°	15.0	22.5	33.2	28.9	11.3	4.8	2.7	1.1	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)