

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: P632622

Luminaire Tested: GWS-SA2D-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8526.9 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

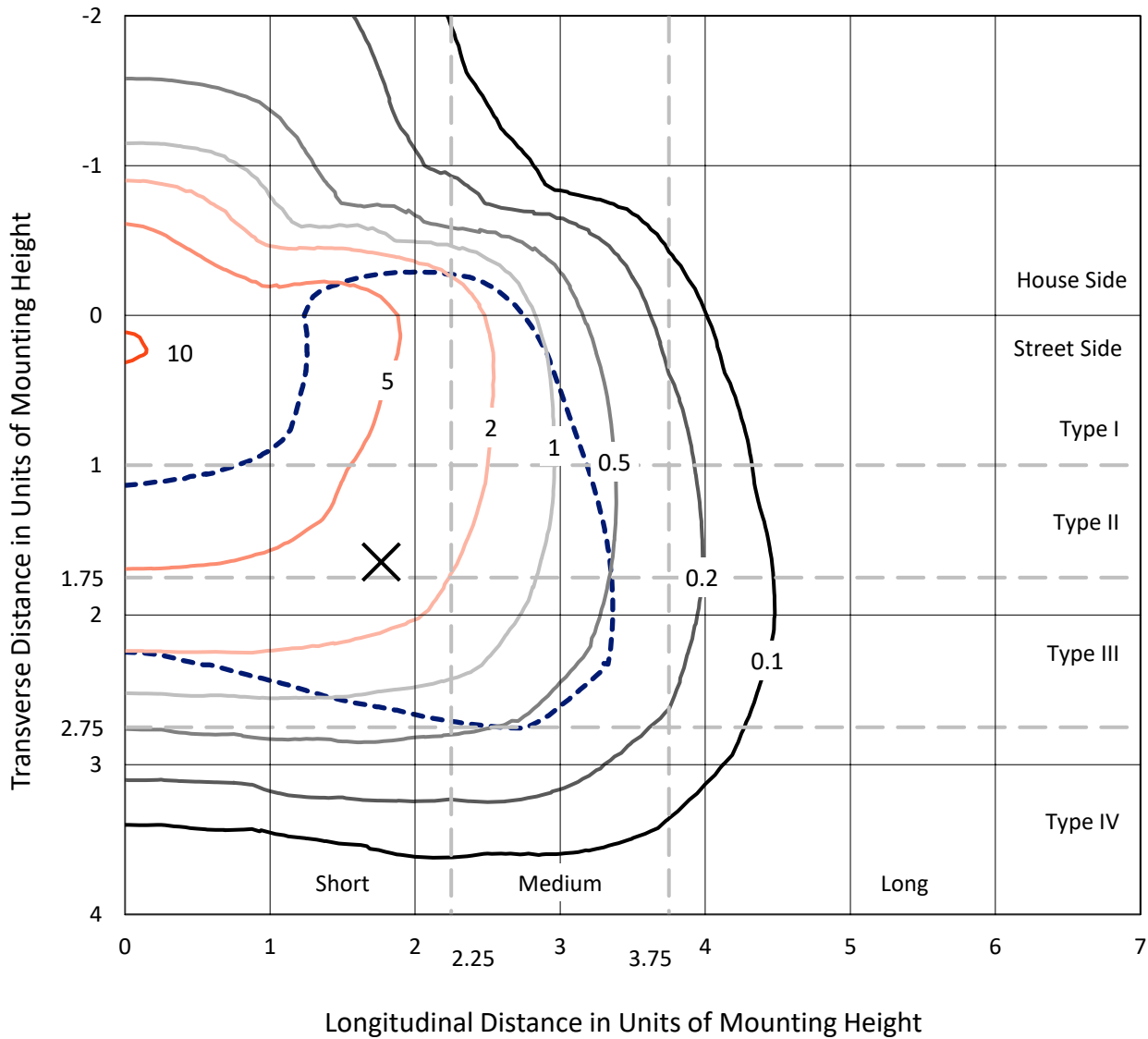
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632622
 CATALOG NUMBER: GWS-SA2D-722-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

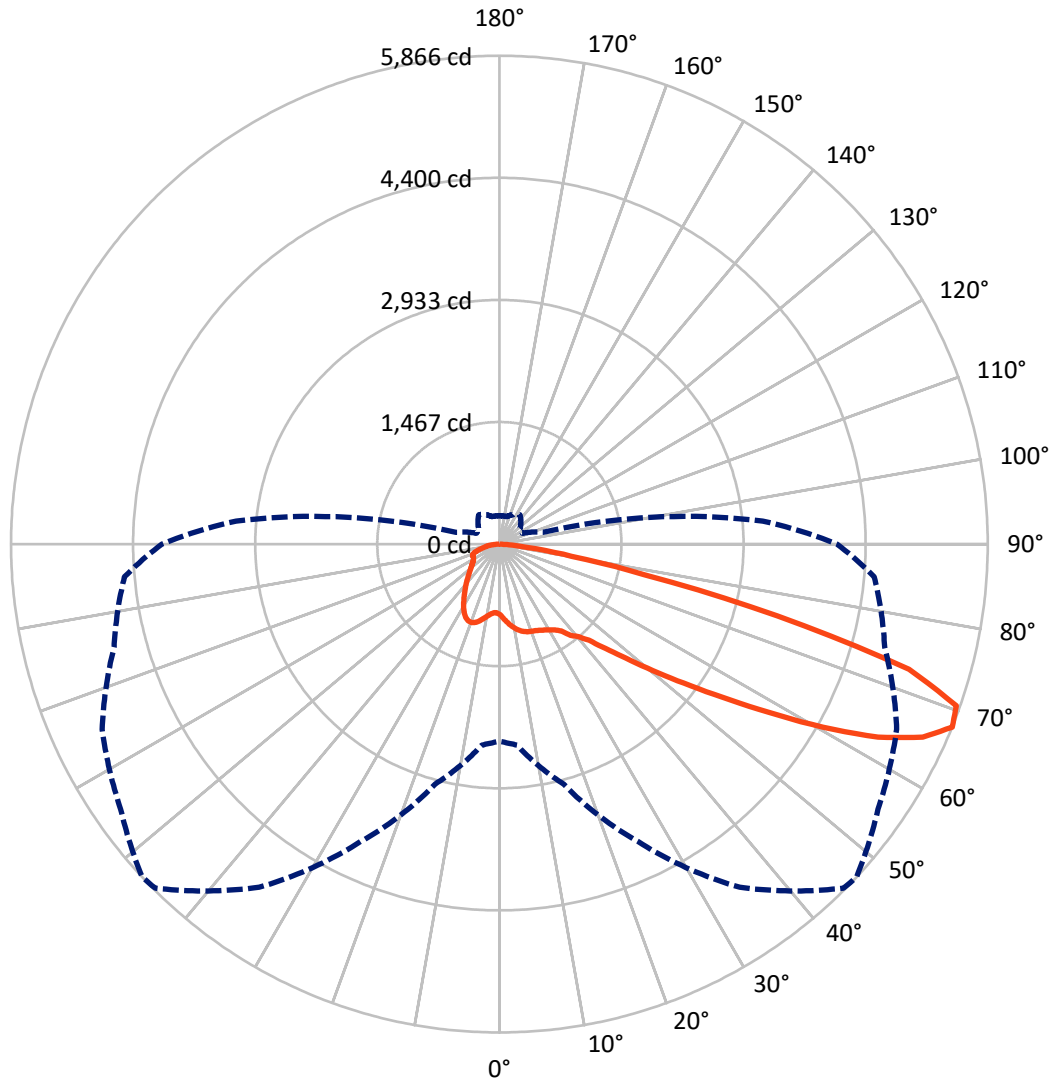
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc
 Type III - Short - N/A

REPORT NUMBER: P632622
CATALOG NUMBER: GWS-SA2D-722-U-T4W-W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P632622

CATALOG NUMBER: GWS-SA2D-722-U-T4W-W

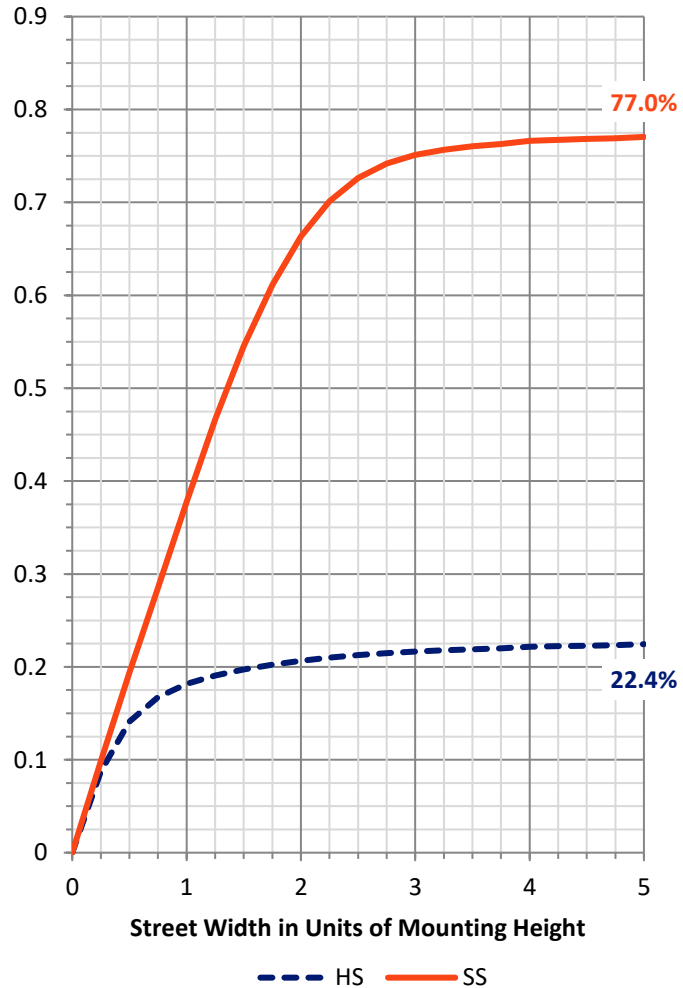
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1943.4	0.0	1943.4
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	6583.6	0.0	6583.6
	% Fixture	77.2	0.0	77.2
Total	Lumens	8526.9	0.0	8526.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	1.0
10°-20°	287.8	3.4
20°-30°	489.2	5.7
30°-40°	716.6	8.4
40°-50°	1091.9	12.8
50°-60°	1953.6	22.9
60°-70°	2606.9	30.6
70°-80°	1178.9	13.8
80°-90°	115.5	1.4
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°	8526.9	100.0
0°-180°	8526.9	100.0

Coefficient of Utilization



REPORT NUMBER: P632622

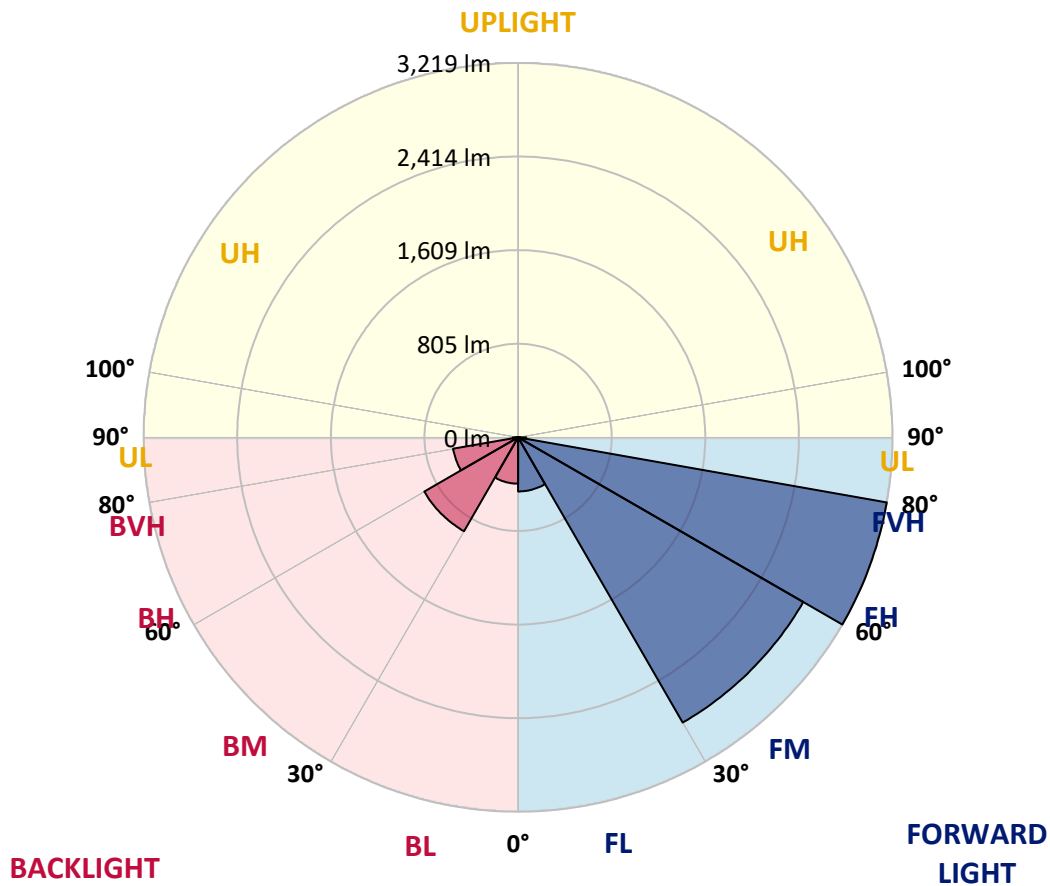
CATALOG NUMBER: GWS-SA2D-722-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.0	5.5			
FM (30°-60°)	2831.0	33.2			
FH (60°-80°)	3218.8	37.7			G2/5000
FVH (80°-90°)	68.7	0.8			G1/100
BL (0°-30°)	398.4	4.7	B1/500		
BM (30°-60°)	931.1	10.9	B1/1000		
BH (60°-80°)	567.0	6.6	B2/1000		G2/1000
BVH (80°-90°)	46.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P632622
 CATALOG NUMBER: GWS-SA2D-722-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3
2.5°	901.4	904.5	903.9	898.9	895.8	890.3	890.9	882.3	869.3	860.7	850.8
5°	980.9	985.9	979.7	971.7	959.3	941.5	939.6	919.9	895.2	878.0	860.1
7.5°	1050.0	1053.1	1045.7	1032.1	1014.2	990.2	985.9	962.4	931.6	904.5	878.6
10°	1103.6	1107.3	1097.5	1079.6	1056.1	1032.1	1029.0	1005.0	972.3	940.2	907.6
12.5°	1149.2	1150.5	1140.0	1115.9	1090.7	1066.0	1062.9	1040.7	1010.5	977.8	942.1
15°	1175.8	1176.4	1163.4	1136.9	1112.9	1091.3	1089.4	1070.3	1042.6	1011.8	973.5
17.5°	1173.9	1175.1	1165.9	1142.5	1121.5	1108.6	1106.7	1094.4	1072.8	1045.0	1006.8
20°	1151.1	1152.3	1146.2	1130.7	1119.6	1115.9	1116.6	1112.9	1099.9	1077.1	1038.3
22.5°	1133.2	1135.1	1129.5	1118.4	1117.2	1125.8	1127.7	1129.5	1123.3	1103.0	1065.4
25°	1141.8	1144.9	1136.3	1120.9	1123.3	1142.5	1146.2	1152.3	1147.4	1130.1	1097.5
27.5°	1201.6	1203.5	1181.3	1149.9	1142.5	1162.8	1168.4	1178.2	1174.5	1158.5	1133.2
30°	1340.4	1339.1	1291.7	1214.6	1183.8	1191.8	1196.1	1210.3	1211.5	1201.0	1177.0
32.5°	1535.8	1529.7	1456.3	1333.6	1244.2	1224.5	1229.4	1248.5	1262.7	1251.6	1218.9
35°	1742.4	1736.8	1656.0	1512.4	1355.8	1287.3	1281.8	1296.6	1318.2	1287.3	1240.5
37.5°	1939.0	1930.4	1847.8	1670.2	1493.3	1397.7	1389.7	1374.9	1362.0	1302.8	1267.0
40°	2157.3	2147.4	2075.3	1874.3	1644.9	1482.2	1461.8	1403.3	1391.5	1353.9	1336.1
42.5°	2390.4	2390.4	2330.5	2132.6	1828.1	1603.0	1576.5	1488.3	1500.7	1476.0	1455.1
45°	2623.4	2630.2	2582.7	2392.8	2072.8	1831.1	1788.6	1663.4	1693.0	1681.9	1671.5
47.5°	2821.9	2834.9	2825.6	2658.5	2372.5	2108.6	2043.9	1913.8	1977.3	2003.8	2033.4
50°	3035.9	3050.1	3040.8	2974.8	2723.3	2444.6	2386.7	2252.2	2361.4	2440.9	2537.7
52.5°	3353.4	3373.7	3296.7	3271.4	3149.3	2826.3	2774.5	2621.6	2819.5	2951.4	3167.2
55°	3621.6	3621.0	3593.9	3651.8	3606.8	3293.0	3235.6	3096.9	3349.7	3489.7	3805.3
57.5°	3746.1	3760.9	3854.0	4018.0	4108.1	3863.3	3808.4	3666.6	3918.8	3991.5	4332.5
60°	3810.3	3828.8	4008.8	4333.1	4575.4	4486.0	4464.4	4283.8	4425.6	4416.9	4777.0
62.5°	3720.2	3757.2	4046.4	4477.4	4908.9	5111.8	5105.0	4831.9	4856.5	4772.1	5052.6
65°	3307.2	3347.2	3801.0	4405.2	5099.5	5587.8	5589.6	5328.2	5187.6	4944.7	5006.4
67.5°	2365.1	2422.4	2983.5	3941.6	5032.3	5844.9	5866.4	5553.2	5265.3	4791.8	4520.5
70°	1289.2	1331.1	1770.7	2865.1	4426.8	5783.2	5823.3	5444.7	4922.5	4145.0	3479.8
72.5°	585.7	599.3	823.7	1572.2	3024.2	4978.0	5145.7	4859.0	4042.7	3061.8	2212.8
75°	268.2	274.4	358.8	752.2	1580.2	3331.2	3449.0	3619.1	2813.3	1933.5	1153.6
77.5°	168.3	170.2	204.1	344.0	787.9	1662.8	1786.8	2154.8	1647.4	956.9	482.1
80°	99.3	101.1	127.0	186.2	369.9	760.8	878.6	852.1	774.4	413.1	219.5
82.5°	49.9	51.8	73.4	106.0	201.6	302.7	356.4	358.2	288.5	223.8	123.9
85°	17.9	18.5	24.0	41.9	85.7	99.9	111.6	136.3	141.2	130.1	59.8
87.5°	0.0	0.0	0.6	1.2	2.5	9.9	10.5	19.7	41.3	46.2	24.0
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: P632622
 CATALOG NUMBER: GWS-SA2D-722-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3
2.5°	847.8	838.5	835.4	832.3	827.4	825.6	821.9	818.2	818.2	814.5	812.6
5°	852.1	839.7	831.7	828.0	824.9	826.8	826.8	828.0	832.3	829.9	831.1
7.5°	867.5	853.3	842.2	839.1	839.1	846.5	851.5	857.6	865.6	866.9	866.9
10°	894.6	878.0	866.2	864.4	867.5	878.0	885.4	892.8	902.6	903.2	904.5
12.5°	924.2	907.6	895.8	898.3	901.4	915.0	923.0	929.1	939.0	939.0	938.4
15°	955.0	936.5	926.7	931.6	940.9	956.3	957.5	958.1	963.0	961.8	961.2
17.5°	987.1	967.4	960.0	967.4	977.2	984.6	978.5	969.8	968.0	965.5	964.3
20°	1018.5	998.2	995.1	1000.7	1003.7	997.6	978.5	962.4	955.0	951.3	950.1
22.5°	1045.7	1028.4	1026.6	1026.6	1011.1	989.6	961.2	939.6	929.8	924.8	923.6
25°	1077.7	1061.7	1058.6	1042.0	1002.5	963.0	924.8	905.1	897.1	894.6	895.2
27.5°	1115.3	1104.2	1094.4	1046.9	977.8	916.2	873.0	864.4	861.3	864.4	866.2
30°	1161.6	1150.5	1128.3	1040.7	938.4	855.2	813.8	813.2	822.5	830.5	831.7
32.5°	1199.2	1194.3	1157.9	1021.0	882.9	787.9	752.8	755.3	771.9	783.0	784.9
35°	1228.8	1236.8	1182.5	988.3	816.9	724.4	696.7	697.9	707.2	722.6	723.2
37.5°	1270.7	1297.8	1204.7	938.4	741.1	669.6	644.3	635.0	633.8	638.1	639.4
40°	1355.2	1395.9	1220.8	865.6	667.7	620.2	591.9	574.0	558.6	546.9	543.2
42.5°	1482.8	1529.7	1230.0	777.5	602.4	571.5	539.5	516.7	489.5	464.9	456.2
45°	1717.1	1732.5	1230.0	683.8	544.4	525.9	493.9	466.7	432.2	403.2	397.1
47.5°	2091.9	2042.6	1231.2	593.1	493.2	485.8	458.1	427.3	389.0	365.0	361.3
50°	2656.7	2483.5	1256.5	517.9	450.7	451.9	431.6	397.7	363.1	345.3	342.2
52.5°	3296.7	3026.6	1324.3	462.4	414.9	424.2	413.1	380.4	349.6	334.2	331.1
55°	3898.4	3526.0	1382.3	423.0	384.7	400.8	400.1	369.9	342.2	326.8	324.9
57.5°	4410.2	3868.2	1373.7	390.9	358.8	379.2	388.4	363.1	337.3	324.3	322.5
60°	4728.3	4049.5	1251.0	361.3	339.1	363.8	381.6	361.3	339.7	336.6	337.3
62.5°	4866.4	4016.2	1015.5	339.1	326.2	356.4	389.0	374.2	362.5	369.9	374.2
65°	4651.8	3730.1	747.3	322.5	313.8	358.2	406.3	394.6	362.5	367.5	369.3
67.5°	4056.3	3175.2	540.1	305.8	298.4	363.8	431.0	391.5	341.6	341.6	337.9
70°	2923.0	2283.7	392.1	289.2	283.0	355.7	432.2	370.5	317.5	315.7	306.4
72.5°	1759.0	1347.2	305.8	270.7	259.6	315.7	405.1	345.9	294.1	278.7	267.6
75°	913.7	675.1	256.5	250.3	222.6	267.6	370.5	307.7	251.6	238.0	231.8
77.5°	391.5	315.7	220.1	223.2	185.0	225.0	299.0	266.3	223.2	205.9	200.4
80°	193.0	179.4	173.9	178.8	148.0	173.9	257.7	233.1	189.3	169.6	161.5
82.5°	110.4	104.8	125.2	127.0	105.4	145.5	217.6	197.3	156.6	135.0	122.1
85°	51.2	54.9	75.8	76.5	65.4	99.9	142.4	111.0	83.2	69.1	66.0
87.5°	20.3	24.0	33.3	32.7	19.1	18.5	12.3	6.8	5.5	4.9	4.3
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)