

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: P635574

Luminaire Tested: GWS-SA3E-722-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13505.3 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

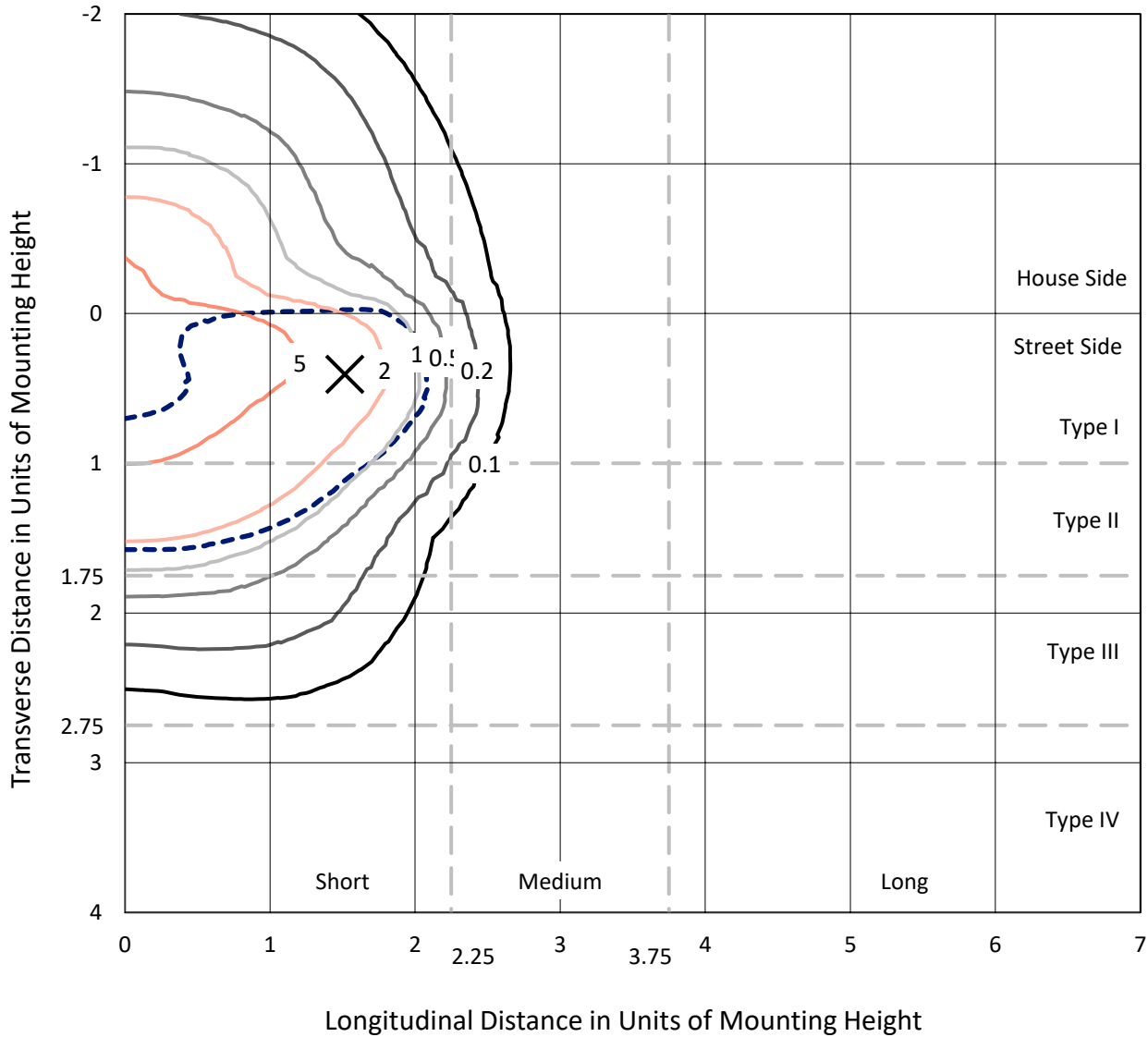
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635574
 CATALOG NUMBER: GWS-SA3E-722-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

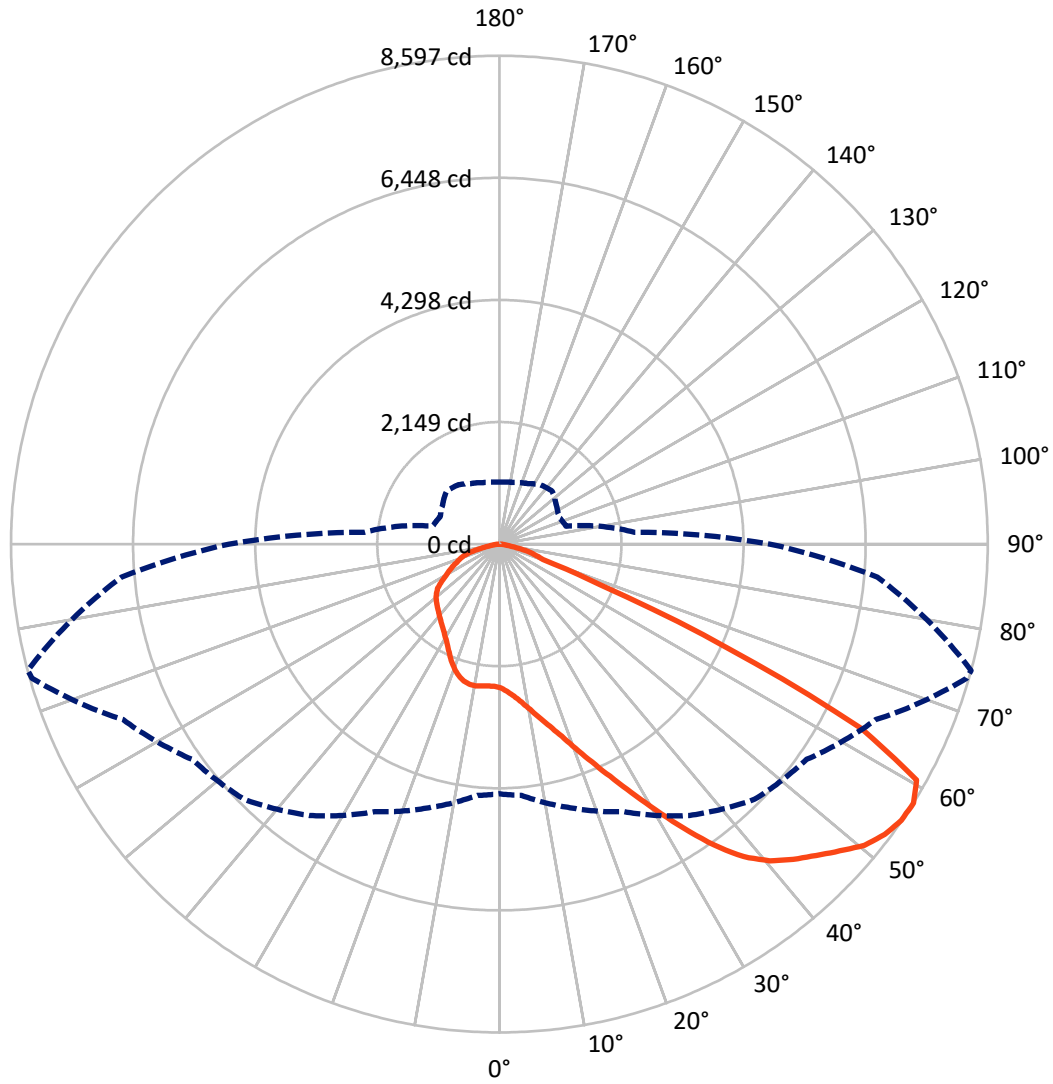
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9 fc
 Type II - Short - N/A

REPORT NUMBER: P635574
CATALOG NUMBER: GWS-SA3E-722-U-T2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P635574

CATALOG NUMBER: GWS-SA3E-722-U-T2-W-GRSWH

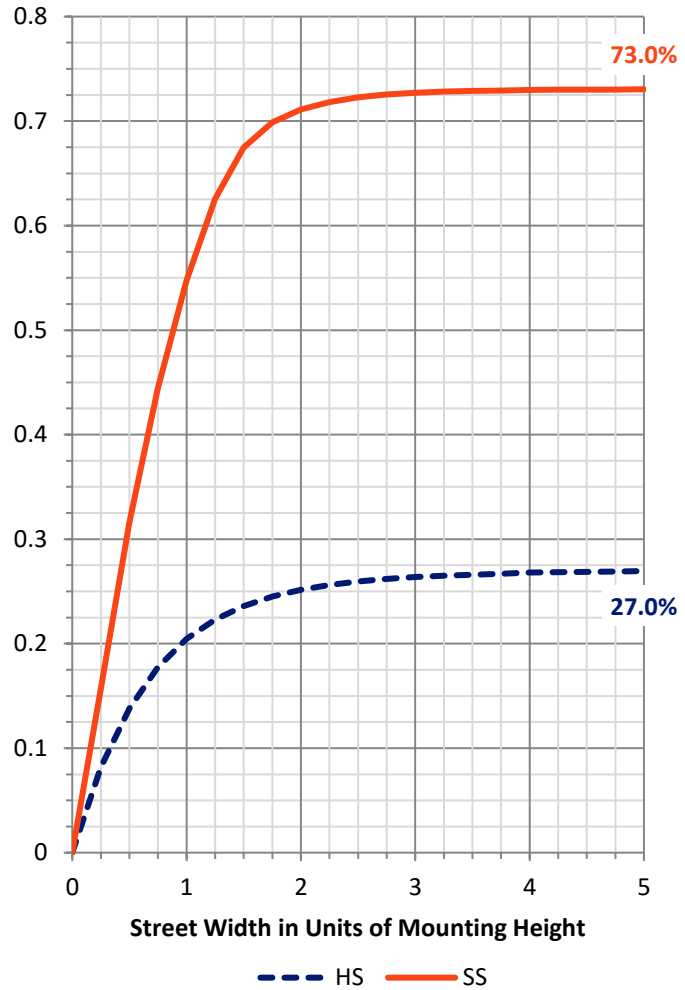
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3653.5	0.0	3653.5
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	9851.8	0.0	9851.8
	% Fixture	72.9	0.0	72.9
Total	Lumens	13505.3	0.0	13505.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.1	1.9
10°-20°	805.8	6.0
20°-30°	1429.1	10.6
30°-40°	2187.7	16.2
40°-50°	3046.2	22.6
50°-60°	3490.3	25.8
60°-70°	1793.4	13.3
70°-80°	451.5	3.3
80°-90°	48.3	0.4
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°	13505.3	100.0
0°-180°	13505.3	100.0

Coefficient of Utilization



REPORT NUMBER: P635574

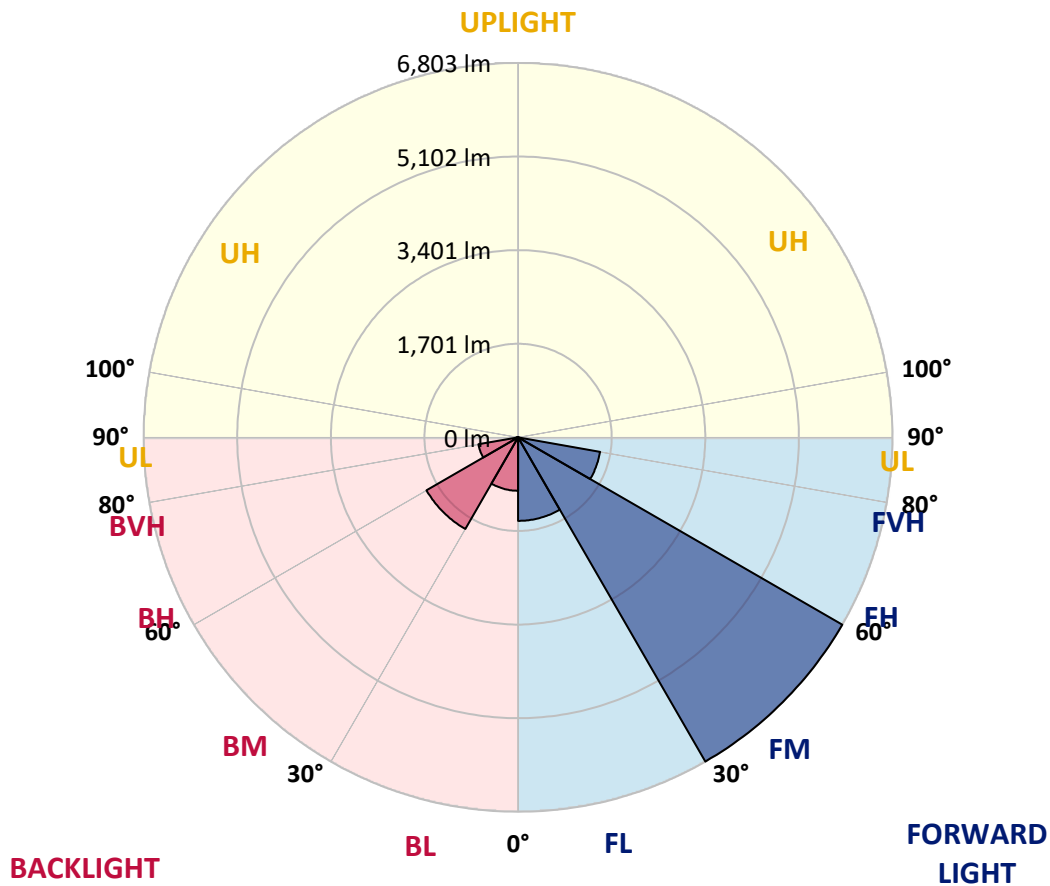
CATALOG NUMBER: GWS-SA3E-722-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1517.4	11.2			
FM (30°-60°)	6802.8	50.4			
FH (60°-80°)	1513.8	11.2			G1/1800
FVH (80°-90°)	17.9	0.1			G1/100
BL (0°-30°)	970.6	7.2	B2/1000		
BM (30°-60°)	1921.4	14.2	B2/2500		
BH (60°-80°)	731.1	5.4	B2/1000		G2/1000
BVH (80°-90°)	30.4	0.2			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 II Short





REPORT NUMBER: P635574

CATALOG NUMBER: GWS-SA3E-722-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2
2.5°	2717.3	2724.3	2717.3	2729.0	2705.7	2695.3	2669.7	2631.4	2601.2	2596.6	2562.9
5°	2928.7	2943.8	2934.5	2929.9	2898.5	2875.3	2837.0	2760.3	2697.6	2688.3	2622.1
7.5°	3064.6	3075.0	3075.0	3078.5	3066.9	3040.2	2999.5	2908.9	2820.7	2806.8	2706.9
10°	3109.8	3118.0	3133.1	3162.1	3185.3	3193.5	3166.7	3079.7	2971.7	2957.7	2818.4
12.5°	3120.3	3129.6	3152.8	3206.2	3270.1	3328.2	3332.8	3268.9	3148.2	3133.1	2947.3
15°	3140.0	3149.3	3180.7	3246.9	3340.9	3452.4	3520.9	3476.8	3343.3	3327.0	3093.6
17.5°	3137.7	3148.2	3194.6	3282.9	3409.5	3570.9	3703.2	3721.8	3583.6	3555.8	3259.6
20°	3131.9	3141.2	3191.1	3299.1	3455.9	3677.7	3916.9	4013.3	3864.7	3839.1	3453.6
22.5°	3178.4	3188.8	3227.1	3316.6	3480.3	3760.2	4114.3	4346.6	4197.9	4161.9	3676.5
25°	3282.9	3298.0	3321.2	3382.7	3524.4	3833.3	4316.4	4724.0	4571.9	4528.9	3919.2
27.5°	3444.3	3462.9	3495.4	3524.4	3623.1	3926.2	4517.3	5146.7	4994.6	4949.3	4175.9
30°	3641.7	3666.1	3707.9	3727.6	3795.0	4063.2	4735.6	5582.2	5493.9	5431.2	4465.0
32.5°	3914.6	3948.3	3987.8	3993.6	4034.2	4271.1	4951.6	6014.2	6013.0	5968.9	4793.7
35°	4269.9	4305.9	4314.1	4322.2	4341.9	4556.8	5212.9	6407.8	6559.9	6508.8	5151.3
37.5°	4657.8	4710.1	4722.8	4686.8	4714.7	4900.5	5506.7	6723.7	7036.1	6981.5	5497.4
40°	5072.4	5093.3	5128.1	5071.2	5106.0	5294.2	5794.7	6925.7	7391.4	7333.3	5770.3
42.5°	5369.7	5408.0	5460.2	5439.3	5459.1	5630.9	5996.7	7023.3	7644.6	7586.5	5966.5
45°	5692.5	5704.1	5737.8	5733.1	5744.7	5905.0	6141.9	7066.3	7871.0	7818.7	6133.8
47.5°	5973.5	5990.9	6013.0	5987.4	5961.9	6066.4	6260.3	7103.4	8132.3	8069.6	6309.1
50°	6244.1	6259.2	6285.9	6211.6	6116.3	6143.1	6318.4	7154.5	8377.3	8333.2	6447.3
52.5°	6294.0	6310.3	6435.7	6450.8	6328.9	6234.8	6420.6	7267.1	8521.3	8493.4	6497.2
55°	5665.8	5694.8	5944.5	6231.3	6532.1	6501.9	6584.3	7326.4	8578.2	8585.2	6586.7
57.5°	4397.7	4439.5	4804.1	5197.8	5830.7	6354.4	6605.2	7311.3	8558.5	8596.8	6678.4
60°	2884.6	2908.9	3340.9	3782.2	4438.3	5163.0	5912.0	7039.5	8383.1	8437.7	6655.2
62.5°	1741.9	1769.8	2117.0	2451.4	2838.1	3322.4	4009.8	5657.6	7026.8	7148.7	5330.2
65°	1215.8	1253.0	1557.2	1832.5	1966.0	1866.1	2031.0	3159.8	4377.9	4429.0	3257.3
67.5°	881.4	906.9	1156.6	1484.1	1631.6	1318.0	1004.5	1399.3	1906.8	1925.4	1343.6
70°	577.1	606.2	832.6	1129.9	1332.0	1068.4	751.3	757.1	802.4	811.7	780.4
72.5°	317.0	334.4	514.4	750.2	787.3	638.7	586.4	629.4	660.8	660.8	668.9
75°	163.7	178.8	210.2	247.3	298.4	349.5	422.7	486.6	520.2	522.6	519.1
77.5°	83.6	89.4	112.6	121.9	133.5	155.6	202.1	259.0	289.2	300.8	298.4
80°	39.5	41.8	47.6	55.7	68.5	87.1	109.2	130.1	148.6	151.0	163.7
82.5°	20.9	23.2	25.5	30.2	37.2	46.5	63.9	76.6	88.3	90.6	101.0
85°	8.1	9.3	10.5	11.6	16.3	19.7	26.7	36.0	44.1	44.1	52.3
87.5°	0.0	0.0	0.0	0.0	1.2	2.3	4.6	5.8	8.1	8.1	13.9
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: P635574

CATALOG NUMBER: GWS-SA3E-722-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2	2529.2
2.5°	2554.8	2521.1	2506.0	2481.6	2461.9	2439.8	2422.4	2409.6	2401.5	2396.8	2392.2
5°	2596.6	2545.5	2504.8	2456.1	2422.4	2389.9	2363.2	2344.6	2335.3	2328.3	2323.7
7.5°	2661.6	2593.1	2516.4	2441.0	2381.7	2329.5	2295.8	2276.1	2263.3	2258.6	2255.2
10°	2751.0	2655.8	2529.2	2409.6	2321.4	2264.5	2241.2	2231.9	2233.1	2230.8	2229.6
12.5°	2852.0	2722.0	2525.7	2353.9	2256.3	2222.6	2223.8	2238.9	2256.3	2261.0	2262.1
15°	2961.2	2787.0	2492.1	2281.9	2205.2	2208.7	2238.9	2274.9	2307.4	2320.2	2322.5
17.5°	3079.7	2841.6	2430.5	2202.9	2163.4	2200.6	2256.3	2315.5	2363.2	2384.1	2389.9
20°	3212.0	2888.0	2343.4	2125.1	2123.9	2185.5	2266.8	2344.6	2405.0	2432.8	2437.5
22.5°	3352.5	2917.1	2236.6	2053.1	2083.3	2165.7	2258.6	2339.9	2403.8	2431.7	2437.5
25°	3494.2	2926.4	2119.3	1986.9	2041.5	2134.4	2219.2	2284.2	2344.6	2369.0	2373.6
27.5°	3626.6	2899.7	2007.8	1930.0	2003.2	2087.9	2144.8	2179.7	2221.5	2240.1	2243.5
30°	3761.3	2846.2	1913.8	1884.7	1960.2	2024.1	2049.6	2051.9	2068.2	2068.2	2070.5
32.5°	3897.2	2767.3	1831.3	1840.6	1906.8	1948.6	1952.1	1925.4	1905.6	1873.1	1871.9
35°	4053.9	2687.1	1763.9	1790.7	1844.1	1869.6	1859.2	1808.1	1760.5	1707.0	1704.7
37.5°	4199.1	2604.7	1707.0	1739.6	1773.2	1791.8	1767.4	1705.9	1666.4	1611.8	1603.7
40°	4318.7	2530.4	1652.5	1686.1	1702.4	1718.7	1679.2	1629.2	1635.1	1604.9	1603.7
42.5°	4388.4	2458.4	1601.4	1626.9	1637.4	1649.0	1614.1	1577.0	1608.3	1585.1	1586.3
45°	4439.5	2395.7	1554.9	1564.2	1589.8	1607.2	1574.7	1532.9	1539.8	1450.4	1429.5
47.5°	4497.5	2360.8	1510.8	1501.5	1546.8	1577.0	1527.1	1466.7	1424.9	1336.6	1328.5
50°	4559.1	2348.1	1464.3	1438.8	1493.4	1522.4	1464.3	1388.9	1334.3	1286.7	1282.0
52.5°	4580.0	2346.9	1406.3	1363.3	1417.9	1458.5	1409.8	1333.1	1268.1	1221.6	1219.3
55°	4662.4	2380.6	1332.0	1260.0	1311.1	1394.7	1358.7	1248.4	1196.1	1175.2	1172.9
57.5°	4758.8	2386.4	1214.7	1147.3	1218.2	1316.9	1271.6	1176.4	1119.5	1093.9	1091.6
60°	4719.3	2243.5	1089.3	1061.4	1139.2	1243.7	1201.9	1119.5	1053.3	1028.9	1026.6
62.5°	3596.4	1584.0	997.5	987.1	1054.4	1138.0	1129.9	1044.0	981.3	963.8	961.5
65°	2163.4	1112.5	909.3	908.1	955.7	1035.8	1046.3	976.6	910.4	886.0	886.0
67.5°	1069.5	851.2	809.4	803.6	833.8	890.7	934.8	877.9	822.2	798.9	795.5
70°	756.0	750.2	736.2	720.0	725.8	749.0	767.6	720.0	660.8	637.5	632.9
72.5°	653.8	654.9	645.7	632.9	628.2	612.0	595.7	560.9	524.9	500.5	502.8
75°	507.5	509.8	515.6	511.0	498.2	480.8	463.3	419.2	390.2	367.0	362.3
77.5°	296.1	307.7	326.3	321.7	324.0	299.6	292.6	249.7	223.0	206.7	203.2
80°	167.2	174.2	182.3	188.1	181.2	170.7	155.6	132.4	124.3	112.6	110.3
82.5°	101.0	108.0	111.5	116.1	113.8	99.9	88.3	73.2	66.2	60.4	59.2
85°	51.1	55.7	59.2	61.5	54.6	45.3	40.6	32.5	27.9	24.4	24.4
87.5°	12.8	13.9	16.3	13.9	12.8	5.8	4.6	1.2	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)