

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: P635244

Luminaire Tested: GWS-SA3D-735-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635244
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-SA3D-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14470.9 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

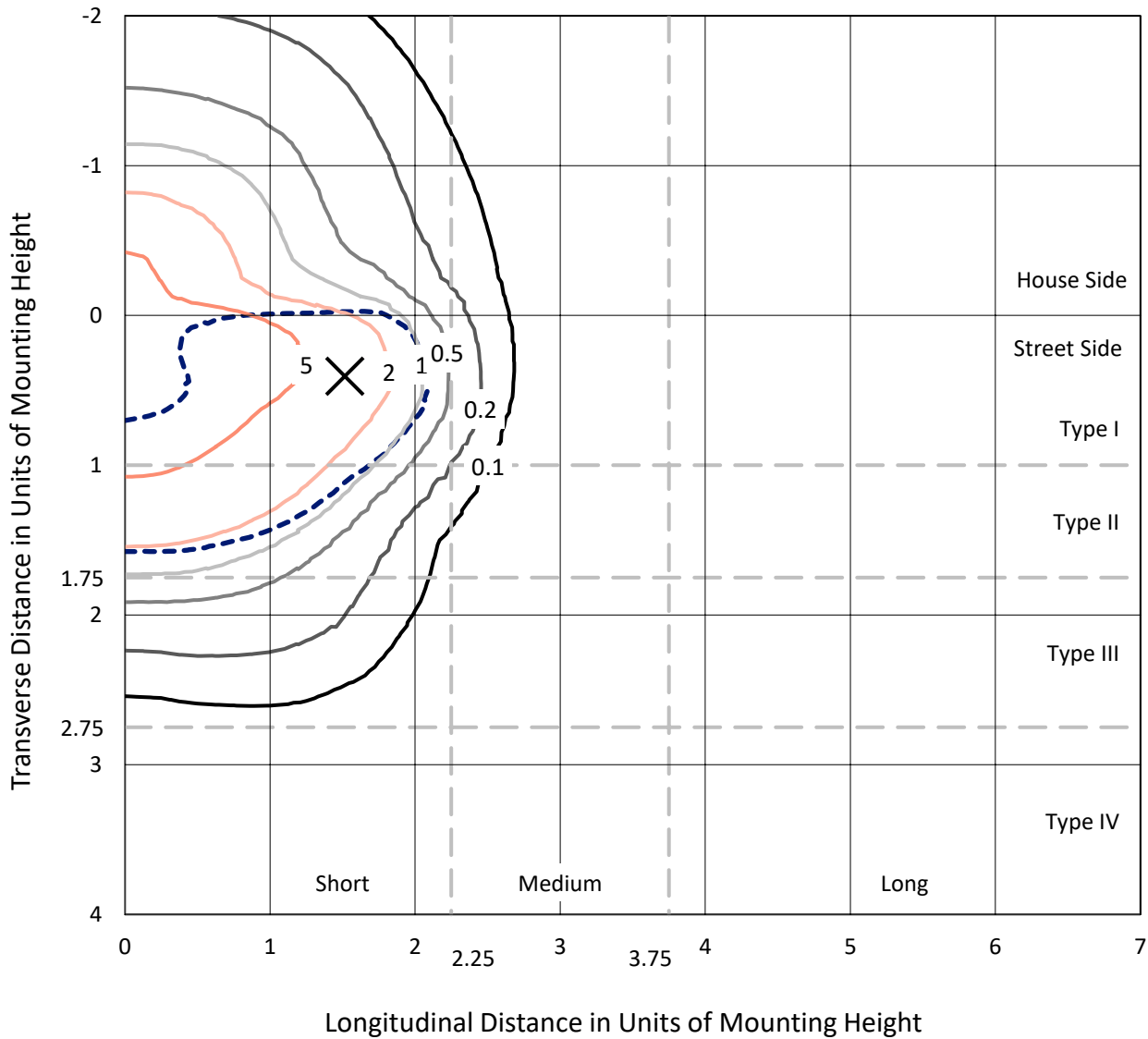
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635244
 CATALOG NUMBER: GWS-SA3D-735-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

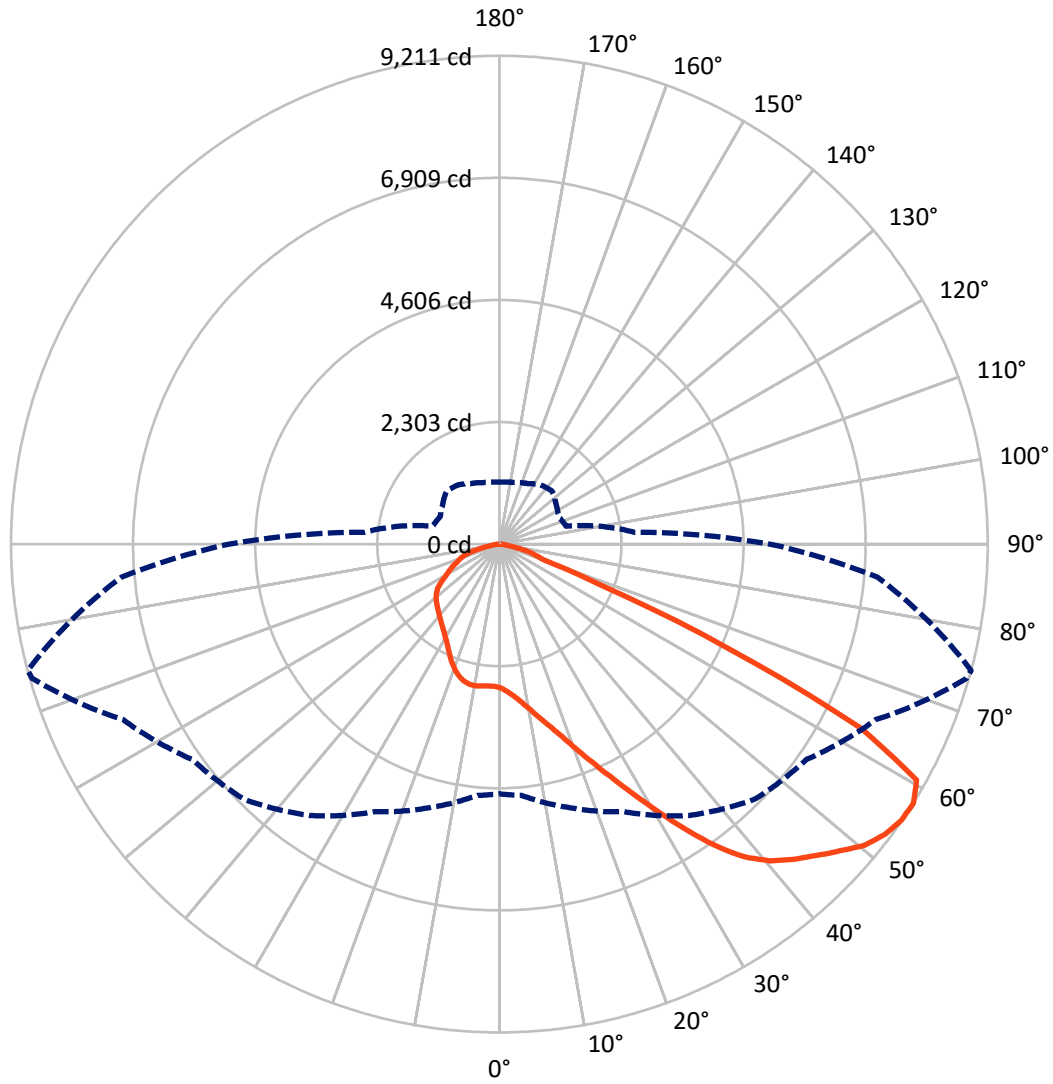
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

REPORT NUMBER: P635244
CATALOG NUMBER: GWS-SA3D-735-U-T2-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635244
 CATALOG NUMBER: GWS-SA3D-735-U-T2-W-GRSWH

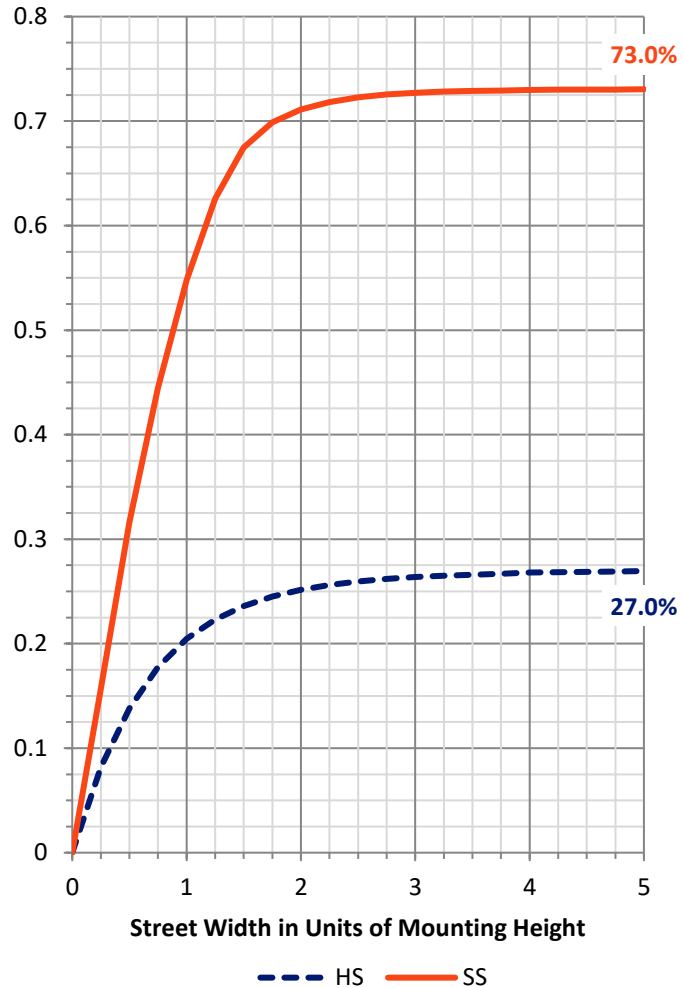
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3914.7	0.0	3914.7
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	10556.2	0.0	10556.2
	% Fixture	72.9	0.0	72.9
Total	Lumens	14470.9	0.0	14470.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.2	1.9
10°-20°	863.4	6.0
20°-30°	1531.3	10.6
30°-40°	2344.1	16.2
40°-50°	3264.0	22.6
50°-60°	3739.9	25.8
60°-70°	1921.6	13.3
70°-80°	483.8	3.3
80°-90°	51.7	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°	14470.9	100.0
0°-180°	14470.9	100.0

Coefficient of Utilization



REPORT NUMBER: P635244

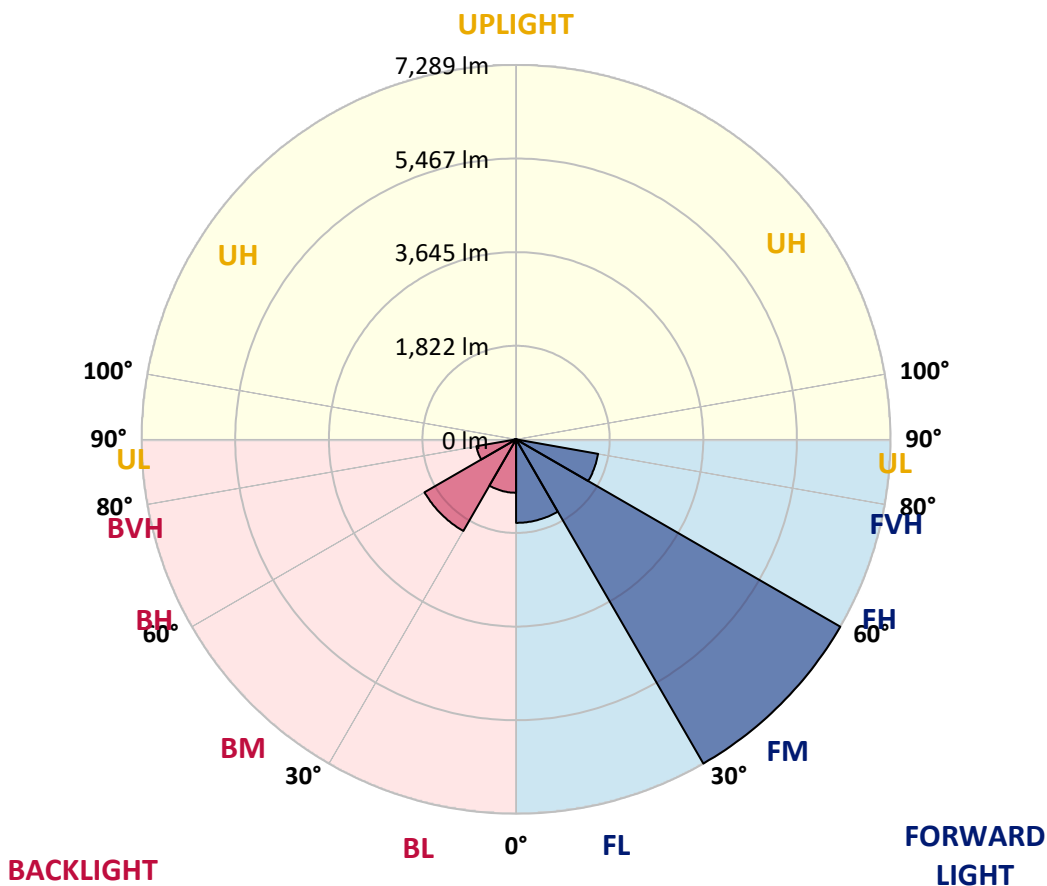
CATALOG NUMBER: GWS-SA3D-735-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1625.9	11.2			
FM (30°-60°)	7289.2	50.4			
FH (60°-80°)	1622.0	11.2			G1/1800
FVH (80°-90°)	19.1	0.1			G1/100
BL (0°-30°)	1040.0	7.2	B3/2500		
BM (30°-60°)	2058.8	14.2	B2/2500		
BH (60°-80°)	783.3	5.4	B2/1000		G2/1000
BVH (80°-90°)	32.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P635244

CATALOG NUMBER: GWS-SA3D-735-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1
2.5°	2911.6	2919.1	2911.6	2924.1	2899.2	2888.0	2860.6	2819.5	2787.2	2782.2	2746.1
5°	3138.1	3154.3	3144.3	3139.3	3105.7	3080.8	3039.8	2957.7	2890.5	2880.5	2809.6
7.5°	3283.7	3294.9	3294.9	3298.6	3286.2	3257.5	3214.0	3116.9	3022.4	3007.4	2900.4
10°	3332.2	3340.9	3357.1	3388.2	3413.1	3421.8	3393.2	3299.8	3184.1	3169.2	3019.9
12.5°	3343.4	3353.3	3378.2	3435.5	3503.9	3566.1	3571.1	3502.7	3373.3	3357.1	3158.0
15°	3364.5	3374.5	3408.1	3479.0	3579.8	3699.3	3772.7	3725.4	3582.3	3564.9	3314.8
17.5°	3362.1	3373.3	3423.0	3517.6	3653.2	3826.2	3968.0	3987.9	3839.9	3810.0	3492.7
20°	3355.8	3365.8	3419.3	3535.0	3703.0	3940.6	4197.0	4300.2	4141.0	4113.6	3700.5
22.5°	3405.6	3416.8	3457.9	3553.7	3729.1	4029.0	4408.5	4657.4	4498.1	4459.5	3939.4
25°	3517.6	3533.8	3558.7	3624.6	3776.4	4107.4	4625.0	5061.8	4898.7	4852.7	4199.5
27.5°	3690.5	3710.5	3745.3	3776.4	3882.2	4206.9	4840.3	5514.7	5351.7	5303.1	4474.4
30°	3902.1	3928.2	3973.0	3994.2	4066.3	4353.8	5074.2	5981.3	5886.7	5819.5	4784.3
32.5°	4194.5	4230.6	4272.9	4279.1	4322.6	4576.5	5305.6	6444.2	6442.9	6395.6	5136.4
35°	4575.2	4613.8	4622.5	4631.2	4652.4	4882.6	5585.6	6866.0	7029.0	6974.2	5519.6
37.5°	4990.8	5046.8	5060.5	5021.9	5051.8	5250.9	5900.4	7204.4	7539.1	7480.6	5890.4
40°	5435.0	5457.4	5494.8	5433.8	5471.1	5672.7	6209.0	7420.9	7919.9	7857.7	6182.9
42.5°	5753.6	5794.6	5850.6	5828.2	5849.4	6033.5	6425.5	7525.4	8191.1	8128.9	6393.1
45°	6099.5	6111.9	6148.0	6143.0	6155.5	6327.2	6581.0	7571.5	8433.8	8377.8	6572.3
47.5°	6400.6	6419.3	6442.9	6415.5	6388.2	6500.1	6707.9	7611.3	8713.7	8646.5	6760.2
50°	6690.5	6706.7	6735.3	6655.7	6553.6	6582.3	6770.2	7666.0	8976.3	8929.0	6908.3
52.5°	6744.0	6761.4	6895.8	6912.0	6781.4	6680.6	6879.7	7786.7	9130.6	9100.7	6961.8
55°	6070.9	6102.0	6369.5	6676.8	6999.1	6966.8	7055.1	7850.2	9191.5	9199.0	7057.6
57.5°	4712.1	4756.9	5147.6	5569.4	6247.6	6808.7	7077.5	7834.0	9170.4	9211.4	7155.9
60°	3090.8	3116.9	3579.8	4052.6	4755.7	5532.1	6334.7	7542.9	8982.5	9041.0	7131.0
62.5°	1866.4	1896.3	2268.3	2626.7	3041.0	3559.9	4296.5	6062.2	7529.2	7659.8	5711.3
65°	1302.8	1342.6	1668.6	1963.5	2106.6	1999.6	2176.3	3385.7	4691.0	4745.7	3490.2
67.5°	944.4	971.8	1239.3	1590.2	1748.2	1412.3	1076.3	1499.4	2043.1	2063.0	1439.6
70°	618.4	649.5	892.2	1210.7	1427.2	1144.7	805.1	811.3	859.8	869.8	836.2
72.5°	339.7	358.4	551.2	803.8	843.6	684.4	628.4	674.4	708.0	708.0	716.7
75°	175.4	191.6	225.2	265.0	319.8	374.5	452.9	521.4	557.4	559.9	556.2
77.5°	89.6	95.8	120.7	130.6	143.1	166.7	216.5	277.5	309.8	322.3	319.8
80°	42.3	44.8	51.0	59.7	73.4	93.3	117.0	139.4	159.3	161.8	175.4
82.5°	22.4	24.9	27.4	32.4	39.8	49.8	68.4	82.1	94.6	97.1	108.3
85°	8.7	10.0	11.2	12.4	17.4	21.2	28.6	38.6	47.3	47.3	56.0
87.5°	0.0	0.0	0.0	0.0	1.2	2.5	5.0	6.2	8.7	8.7	14.9
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: P635244
 CATALOG NUMBER: GWS-SA3D-735-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1	2710.1
2.5°	2737.4	2701.3	2685.2	2659.0	2637.9	2614.2	2595.6	2581.9	2573.2	2568.2	2563.2
5°	2782.2	2727.5	2683.9	2631.7	2595.6	2560.7	2532.1	2512.2	2502.3	2494.8	2489.8
7.5°	2851.9	2778.5	2696.4	2615.5	2552.0	2496.0	2460.0	2438.8	2425.1	2420.1	2416.4
10°	2947.7	2845.7	2710.1	2581.9	2487.3	2426.4	2401.5	2391.5	2392.8	2390.3	2389.0
12.5°	3056.0	2916.6	2706.3	2522.2	2417.6	2381.6	2382.8	2399.0	2417.6	2422.6	2423.9
15°	3172.9	2986.3	2670.2	2445.0	2362.9	2366.6	2399.0	2437.6	2472.4	2486.1	2488.6
17.5°	3299.8	3044.8	2604.3	2360.4	2318.1	2357.9	2417.6	2481.1	2532.1	2554.5	2560.7
20°	3441.7	3094.5	2511.0	2277.0	2275.8	2341.7	2428.8	2512.2	2576.9	2606.8	2611.8
22.5°	3592.3	3125.6	2396.5	2199.9	2232.2	2320.6	2420.1	2507.2	2575.7	2605.5	2611.8
25°	3744.1	3135.6	2270.8	2129.0	2187.5	2287.0	2377.8	2447.5	2512.2	2538.3	2543.3
27.5°	3885.9	3107.0	2151.4	2068.0	2146.4	2237.2	2298.2	2335.5	2380.3	2400.2	2404.0
30°	4030.2	3049.7	2050.6	2019.5	2100.4	2168.8	2196.2	2198.7	2216.1	2216.1	2218.6
32.5°	4175.8	2965.1	1962.2	1972.2	2043.1	2087.9	2091.6	2063.0	2041.9	2007.0	2005.8
35°	4343.8	2879.3	1890.1	1918.7	1975.9	2003.3	1992.1	1937.4	1886.3	1829.1	1826.6
37.5°	4499.3	2790.9	1829.1	1863.9	1900.0	1919.9	1893.8	1827.9	1785.5	1727.1	1718.4
40°	4627.5	2711.3	1770.6	1806.7	1824.1	1841.5	1799.2	1745.7	1752.0	1719.6	1718.4
42.5°	4702.2	2634.2	1715.9	1743.2	1754.4	1766.9	1729.6	1689.7	1723.3	1698.4	1699.7
45°	4756.9	2567.0	1666.1	1676.1	1703.4	1722.1	1687.3	1642.5	1649.9	1554.1	1531.7
47.5°	4819.1	2529.6	1618.8	1608.9	1657.4	1689.7	1636.2	1571.5	1526.7	1432.2	1423.5
50°	4885.1	2515.9	1569.0	1541.7	1600.2	1631.3	1569.0	1488.2	1429.7	1378.7	1373.7
52.5°	4907.5	2514.7	1506.8	1460.8	1519.3	1562.8	1510.6	1428.4	1358.8	1309.0	1306.5
55°	4995.8	2550.8	1427.2	1350.0	1404.8	1494.4	1455.8	1337.6	1281.6	1259.2	1256.7
57.5°	5099.1	2557.0	1301.5	1229.4	1305.3	1411.0	1362.5	1260.5	1199.5	1172.1	1169.6
60°	5056.8	2404.0	1167.1	1137.3	1220.6	1332.6	1287.8	1199.5	1128.6	1102.4	1099.9
62.5°	3853.5	1697.2	1068.8	1057.6	1129.8	1219.4	1210.7	1118.6	1051.4	1032.8	1030.3
65°	2318.1	1192.0	974.3	973.0	1024.0	1109.9	1121.1	1046.4	975.5	949.4	949.4
67.5°	1146.0	912.1	867.3	861.0	893.4	954.4	1001.6	940.7	881.0	856.1	852.3
70°	810.0	803.8	788.9	771.5	777.7	802.6	822.5	771.5	708.0	683.1	678.1
72.5°	700.5	701.8	691.8	678.1	673.2	655.7	638.3	601.0	562.4	536.3	538.8
75°	543.8	546.2	552.5	547.5	533.8	515.1	496.5	449.2	418.1	393.2	388.2
77.5°	317.3	329.7	349.6	344.7	347.2	321.0	313.6	267.5	238.9	221.5	217.7
80°	179.2	186.6	195.4	201.6	194.1	182.9	166.7	141.8	133.1	120.7	118.2
82.5°	108.3	115.7	119.5	124.4	121.9	107.0	94.6	78.4	70.9	64.7	63.5
85°	54.7	59.7	63.5	65.9	58.5	48.5	43.5	34.8	29.9	26.1	26.1
87.5°	13.7	14.9	17.4	14.9	13.7	6.2	5.0	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)