

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: P637334

Luminaire Tested: GWS-SA4C-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637334
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-SA4C-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16554.8 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

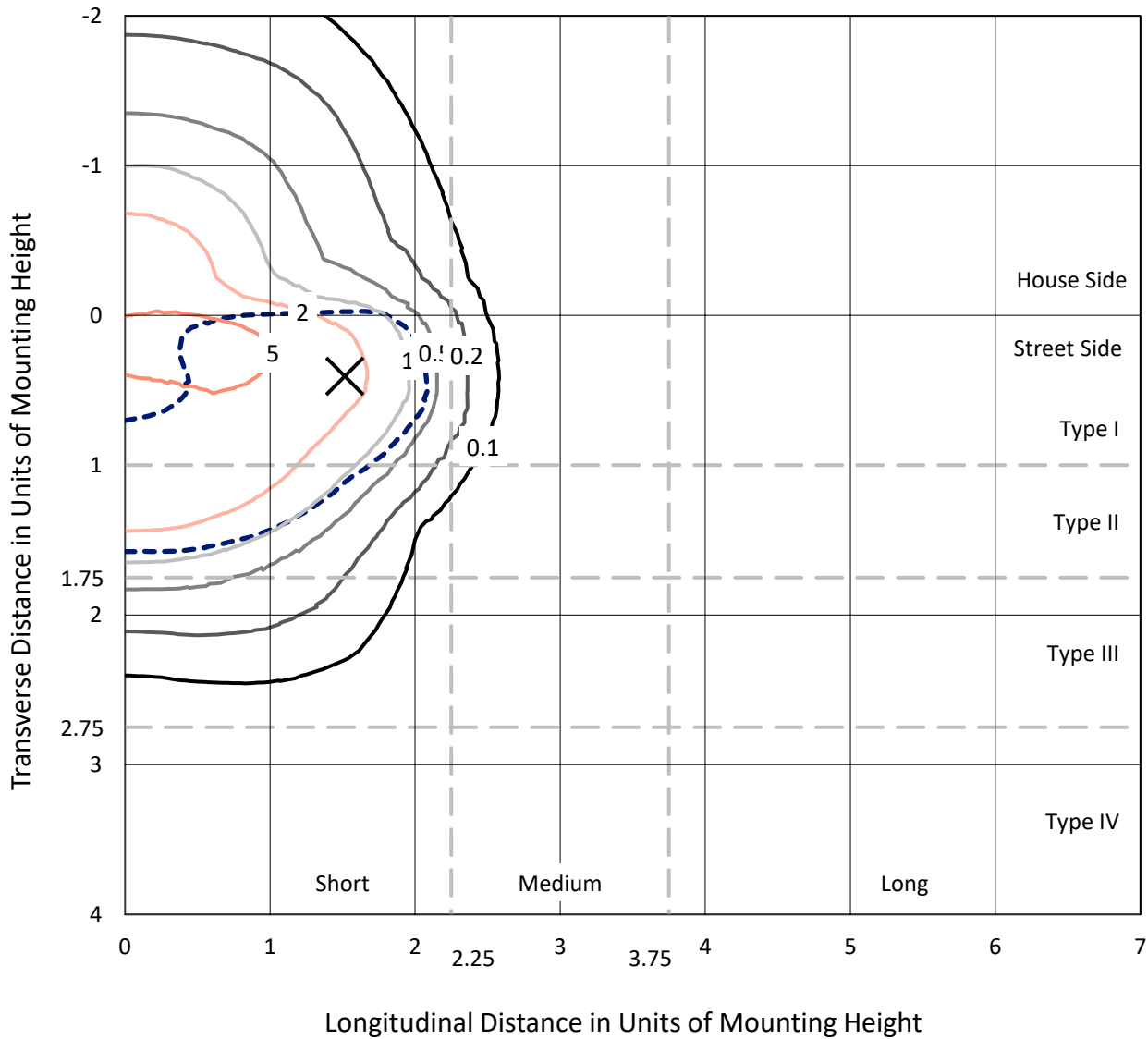
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637334
 CATALOG NUMBER: GWS-SA4C-750-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

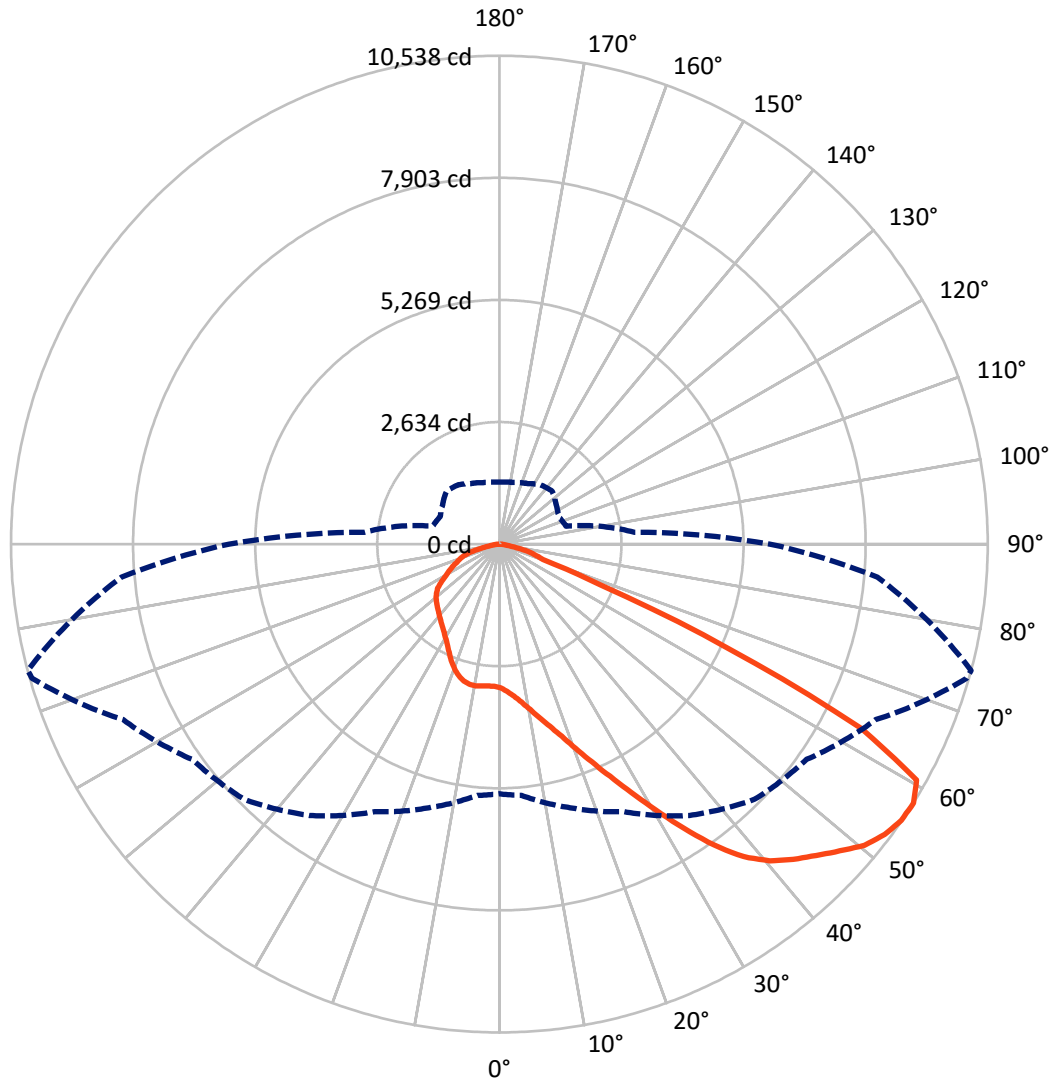
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

REPORT NUMBER: P637334
CATALOG NUMBER: GWS-SA4C-750-U-T2-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637334

CATALOG NUMBER: GWS-SA4C-750-U-T2-W-GRSWH

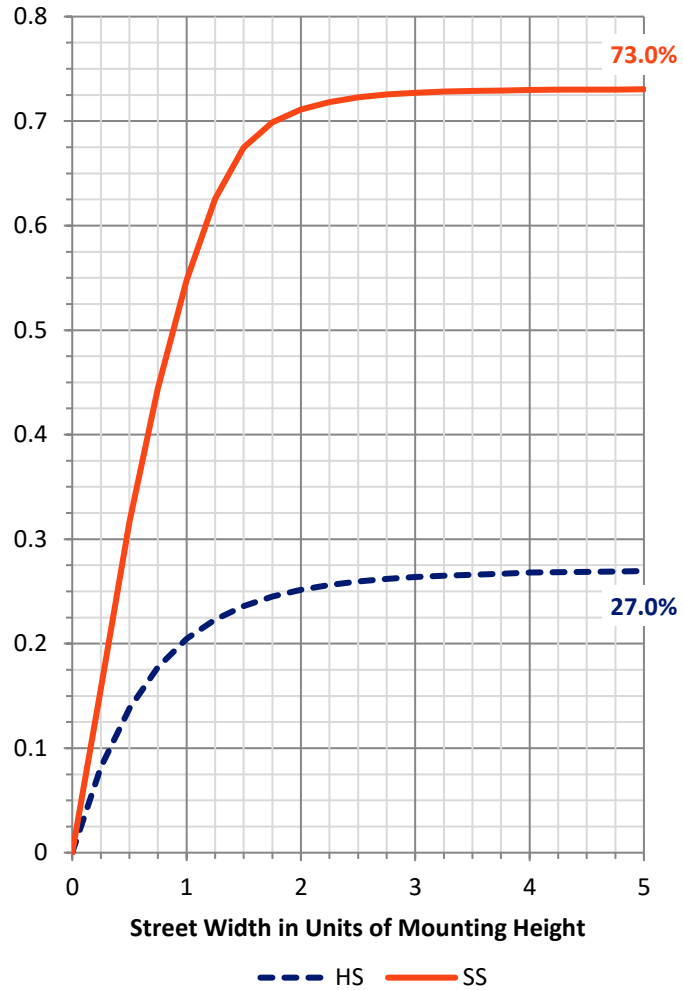
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4478.4	0.0	4478.4
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	12076.4	0.0	12076.4
	% Fixture	72.9	0.0	72.9
Total	Lumens	16554.8	0.0	16554.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.2	1.9
10°-20°	987.8	6.0
20°-30°	1751.8	10.6
30°-40°	2681.7	16.2
40°-50°	3734.0	22.6
50°-60°	4278.4	25.8
60°-70°	2198.3	13.3
70°-80°	553.4	3.3
80°-90°	59.2	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°	16554.8	100.0
0°-180°	16554.8	100.0

Coefficient of Utilization



REPORT NUMBER: P637334

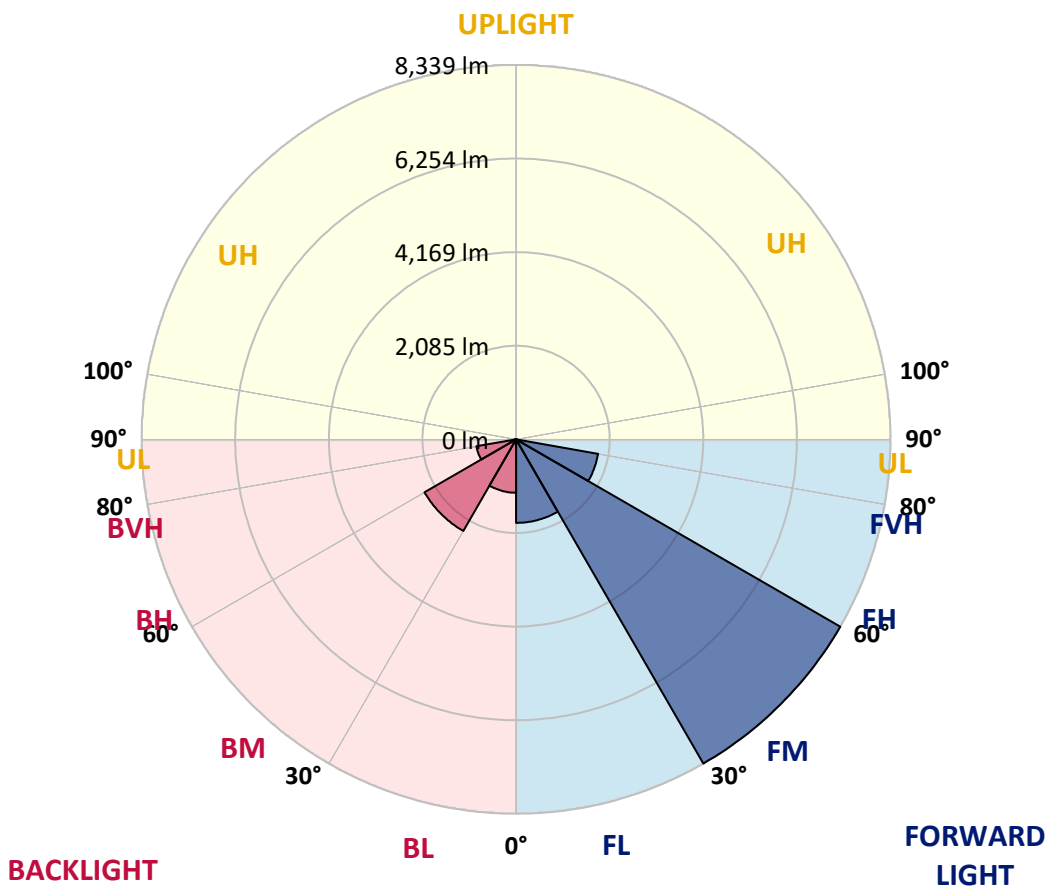
CATALOG NUMBER: GWS-SA4C-750-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1860.0	11.2			
FM (30°-60°)	8338.8	50.4			
FH (60°-80°)	1855.6	11.2			G2/5000
FVH (80°-90°)	21.9	0.1			G1/100
BL (0°-30°)	1189.7	7.2	B3/2500		
BM (30°-60°)	2355.2	14.2	B2/2500		
BH (60°-80°)	896.2	5.4	B2/1000		G2/1000
BVH (80°-90°)	37.3	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: P637334

CATALOG NUMBER: GWS-SA4C-750-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3
2.5°	3330.9	3339.5	3330.9	3345.2	3316.7	3303.9	3272.6	3225.6	3188.6	3182.9	3141.6
5°	3590.0	3608.5	3597.1	3591.4	3553.0	3524.5	3477.5	3383.6	3306.7	3295.3	3214.2
7.5°	3756.5	3769.3	3769.3	3773.6	3759.4	3726.6	3676.8	3565.8	3457.6	3440.5	3318.1
10°	3812.1	3822.0	3840.5	3876.1	3904.6	3914.5	3881.8	3775.0	3642.7	3625.6	3454.8
12.5°	3824.9	3836.3	3864.7	3930.2	4008.5	4079.7	4085.4	4007.1	3859.0	3840.5	3612.8
15°	3849.1	3860.4	3898.9	3980.0	4095.3	4232.0	4316.0	4261.9	4098.2	4078.2	3792.1
17.5°	3846.2	3859.0	3916.0	4024.1	4179.3	4377.2	4539.4	4562.2	4392.8	4358.7	3995.7
20°	3839.1	3850.5	3911.7	4044.1	4236.2	4508.1	4801.4	4919.5	4737.3	4706.0	4233.4
22.5°	3896.0	3908.8	3955.8	4065.4	4266.1	4609.2	5043.4	5328.0	5145.8	5101.7	4506.7
25°	4024.1	4042.7	4071.1	4146.6	4320.2	4698.9	5291.0	5790.7	5604.2	5551.5	4804.2
27.5°	4222.0	4244.8	4284.6	4320.2	4441.2	4812.8	5537.3	6308.8	6122.3	6066.8	5118.8
30°	4464.0	4493.9	4545.1	4569.3	4651.9	4980.7	5804.9	6842.6	6734.4	6657.6	5473.2
32.5°	4798.5	4839.8	4888.2	4895.3	4945.1	5235.5	6069.7	7372.1	7370.7	7316.6	5876.1
35°	5234.1	5278.2	5288.2	5298.2	5322.4	5585.7	6390.0	7854.7	8041.2	7978.5	6314.5
37.5°	5709.5	5773.6	5789.3	5745.1	5779.3	6007.0	6750.1	8241.9	8624.8	8557.9	6738.7
40°	6217.7	6243.3	6286.0	6216.3	6259.0	6489.6	7103.1	8489.6	9060.4	8989.2	7073.2
42.5°	6582.1	6629.1	6693.2	6667.5	6691.7	6902.4	7350.8	8609.1	9370.7	9299.5	7313.8
45°	6977.8	6992.1	7033.4	7027.7	7041.9	7238.3	7528.7	8661.8	9648.3	9584.2	7518.8
47.5°	7322.3	7343.7	7370.7	7339.4	7308.1	7436.2	7673.9	8707.4	9968.6	9891.7	7733.7
50°	7654.0	7672.5	7705.2	7614.1	7497.4	7530.2	7745.1	8770.0	10268.9	10214.8	7903.1
52.5°	7715.2	7735.1	7888.9	7907.4	7757.9	7642.6	7870.4	8908.1	10445.4	10411.3	7964.3
55°	6945.1	6980.7	7286.7	7638.3	8007.0	7970.0	8071.1	8980.7	10515.2	10523.7	8073.9
57.5°	5390.7	5441.9	5888.9	6371.4	7147.2	7789.2	8096.7	8962.2	10491.0	10537.9	8186.4
60°	3535.9	3565.8	4095.3	4636.2	5440.5	6328.7	7246.9	8629.1	10276.0	10342.9	8157.9
62.5°	2135.2	2169.4	2595.0	3004.9	3479.0	4072.5	4915.2	6935.1	8613.4	8762.9	6533.7
65°	1490.4	1535.9	1908.9	2246.2	2409.9	2287.5	2489.6	3873.3	5366.5	5429.1	3992.8
67.5°	1080.4	1111.7	1417.8	1819.2	2000.0	1615.6	1231.3	1715.3	2337.3	2360.1	1647.0
70°	707.5	743.1	1020.6	1385.0	1632.7	1309.6	921.0	928.1	983.6	995.0	956.6
72.5°	388.6	410.0	630.6	919.6	965.1	782.9	718.9	771.5	810.0	810.0	819.9
75°	200.7	219.2	257.6	303.2	365.8	428.5	518.1	596.4	637.7	640.6	636.3
77.5°	102.5	109.6	138.1	149.5	163.7	190.7	247.7	317.4	354.4	368.7	365.8
80°	48.4	51.2	58.4	68.3	84.0	106.8	133.8	159.4	182.2	185.1	200.7
82.5°	25.6	28.5	31.3	37.0	45.6	56.9	78.3	93.9	108.2	111.0	123.8
85°	10.0	11.4	12.8	14.2	19.9	24.2	32.7	44.1	54.1	54.1	64.1
87.5°	0.0	0.0	0.0	0.0	1.4	2.8	5.7	7.1	10.0	10.0	17.1
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: P637334

CATALOG NUMBER: GWS-SA4C-750-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3	3100.3
2.5°	3131.6	3090.4	3071.8	3042.0	3017.8	2990.7	2969.4	2953.7	2943.7	2938.0	2932.3
5°	3182.9	3120.2	3070.4	3010.6	2969.4	2929.5	2896.8	2874.0	2862.6	2854.1	2848.4
7.5°	3262.6	3178.6	3084.7	2992.1	2919.5	2855.5	2814.2	2790.0	2774.3	2768.6	2764.4
10°	3372.2	3255.5	3100.3	2953.7	2845.5	2775.8	2747.3	2735.9	2737.3	2734.5	2733.1
12.5°	3496.0	3336.6	3096.0	2885.4	2765.8	2724.5	2725.9	2744.4	2765.8	2771.5	2772.9
15°	3629.8	3416.3	3054.8	2797.1	2703.2	2707.4	2744.4	2788.6	2828.4	2844.1	2846.9
17.5°	3775.0	3483.2	2979.3	2700.3	2651.9	2697.5	2765.8	2838.4	2896.8	2922.4	2929.5
20°	3937.3	3540.2	2872.6	2604.9	2603.5	2679.0	2778.6	2874.0	2948.0	2982.2	2987.9
22.5°	4109.6	3575.8	2741.6	2516.7	2553.7	2654.8	2768.6	2868.3	2946.6	2980.7	2987.9
25°	4283.2	3587.1	2597.8	2435.6	2502.5	2616.3	2720.3	2800.0	2874.0	2903.9	2909.6
27.5°	4445.5	3554.4	2461.2	2365.8	2455.5	2559.4	2629.1	2671.9	2723.1	2745.9	2750.1
30°	4610.6	3488.9	2345.9	2310.3	2402.8	2481.1	2512.4	2515.3	2535.2	2535.2	2538.0
32.5°	4777.2	3392.1	2244.8	2256.2	2337.3	2388.6	2392.9	2360.1	2335.9	2296.1	2294.6
35°	4969.3	3293.9	2162.3	2195.0	2260.5	2291.8	2279.0	2216.3	2158.0	2092.5	2089.7
37.5°	5147.3	3192.8	2092.5	2132.4	2173.6	2196.4	2166.5	2091.1	2042.7	1975.8	1965.8
40°	5293.9	3101.7	2025.6	2066.9	2086.8	2106.7	2058.3	1997.1	2004.2	1967.2	1965.8
42.5°	5379.3	3013.5	1963.0	1994.3	2007.1	2021.3	1978.6	1933.1	1971.5	1943.0	1944.5
45°	5441.9	2936.6	1906.0	1917.4	1948.7	1970.1	1930.2	1879.0	1887.5	1777.9	1752.3
47.5°	5513.1	2893.9	1851.9	1840.5	1896.1	1933.1	1871.9	1797.8	1746.6	1638.4	1628.4
50°	5588.5	2878.3	1795.0	1763.7	1830.6	1866.2	1795.0	1702.5	1635.6	1577.2	1571.5
52.5°	5614.2	2876.8	1723.8	1671.2	1738.1	1787.9	1728.1	1634.1	1554.4	1497.5	1494.6
55°	5715.2	2918.1	1632.7	1544.5	1607.1	1709.6	1665.5	1530.2	1466.2	1440.6	1437.7
57.5°	5833.4	2925.2	1488.9	1406.4	1493.2	1614.2	1558.7	1442.0	1372.2	1340.9	1338.1
60°	5785.0	2750.1	1335.2	1301.1	1396.4	1524.5	1473.3	1372.2	1291.1	1261.2	1258.3
62.5°	4408.5	1941.6	1222.8	1209.9	1292.5	1395.0	1385.0	1279.7	1202.8	1181.5	1178.6
65°	2651.9	1363.7	1114.6	1113.2	1171.5	1269.7	1282.5	1197.1	1116.0	1086.1	1086.1
67.5°	1311.0	1043.4	992.2	985.0	1022.1	1091.8	1145.9	1076.1	1007.8	979.3	975.1
70°	926.7	919.6	902.5	882.6	889.7	918.1	940.9	882.6	810.0	781.5	775.8
72.5°	801.4	802.8	791.4	775.8	770.1	750.2	730.2	687.5	643.4	613.5	616.4
75°	622.1	624.9	632.0	626.3	610.7	589.3	568.0	513.9	478.3	449.8	444.1
77.5°	363.0	377.2	400.0	394.3	397.1	367.3	358.7	306.0	273.3	253.4	249.1
80°	205.0	213.5	223.5	230.6	222.1	209.3	190.7	162.3	152.3	138.1	135.2
82.5°	123.8	132.4	136.7	142.3	139.5	122.4	108.2	89.7	81.1	74.0	72.6
85°	62.6	68.3	72.6	75.4	66.9	55.5	49.8	39.9	34.2	29.9	29.9
87.5°	15.7	17.1	19.9	17.1	15.7	7.1	5.7	1.4	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)