

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: P637232

Luminaire Tested: GWS-SA4C-735-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-735-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16340.9 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

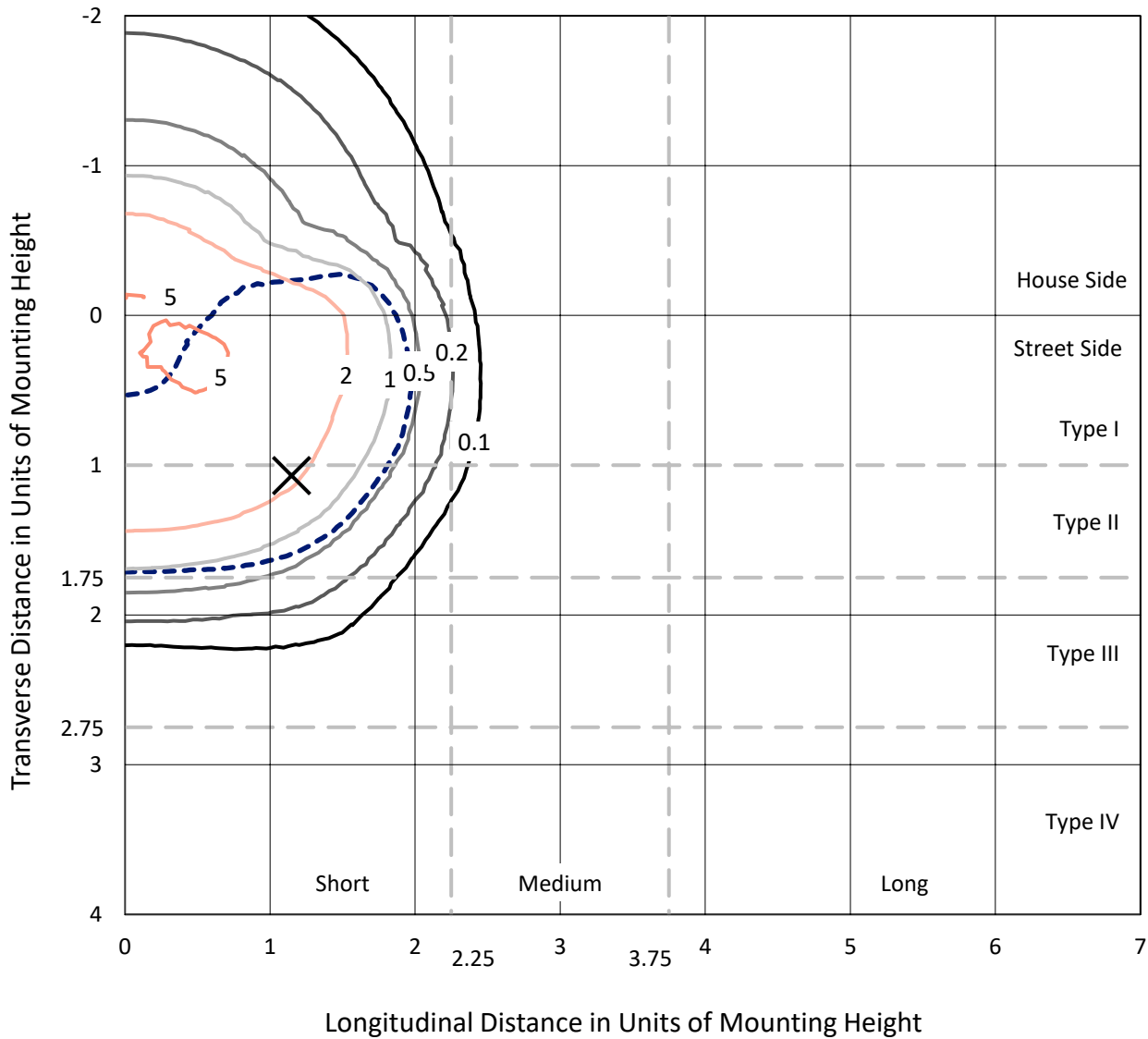
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637232
 CATALOG NUMBER: GWS-SA4C-735-U-T3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

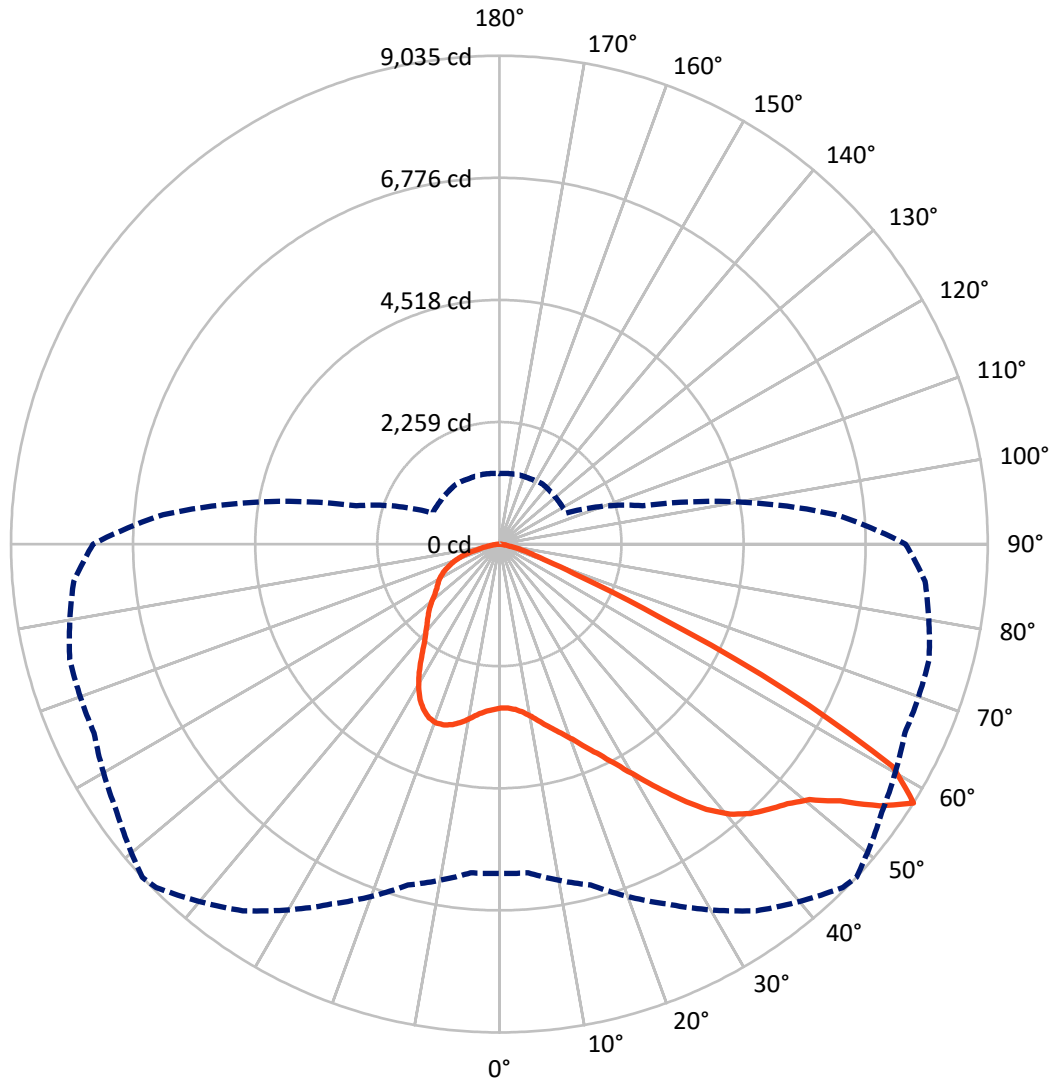
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Short - N/A

REPORT NUMBER: P637232
CATALOG NUMBER: GWS-SA4C-735-U-T3-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637232

CATALOG NUMBER: GWS-SA4C-735-U-T3-W-GRSWH

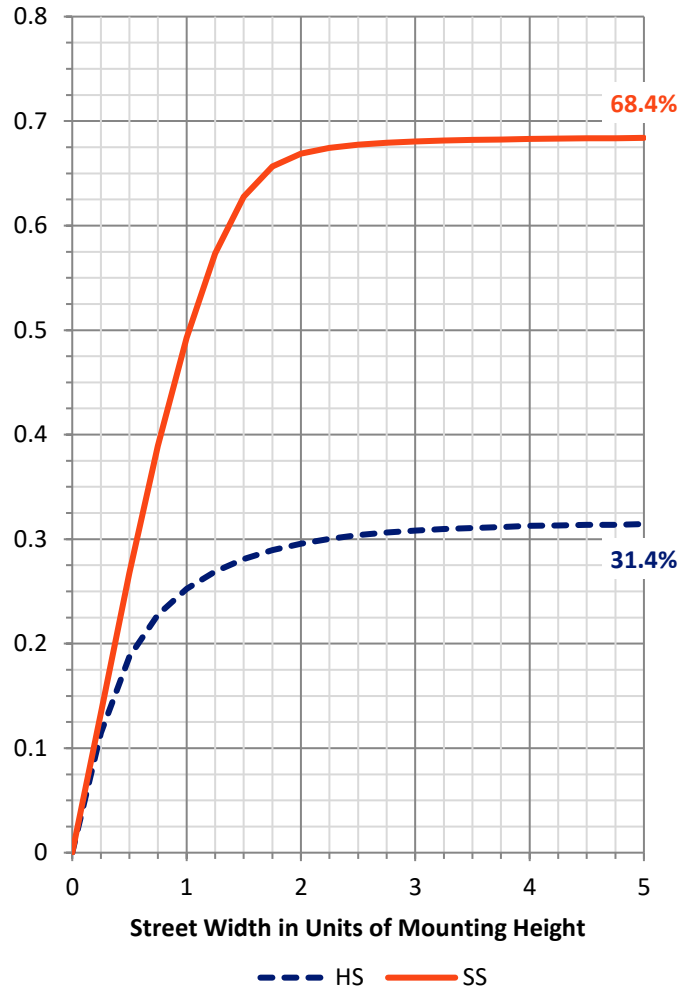
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5171.9	0.0	5171.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	11169.1	0.0	11169.1
	% Fixture	68.4	0.0	68.4
Total	Lumens	16340.9	0.0	16340.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.9	1.8
10°-20°	983.1	6.0
20°-30°	1770.2	10.8
30°-40°	2673.6	16.4
40°-50°	3600.4	22.0
50°-60°	4326.3	26.5
60°-70°	2107.0	12.9
70°-80°	519.1	3.2
80°-90°	62.4	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°	16340.9	100.0
0°-180°	16340.9	100.0

Coefficient of Utilization



REPORT NUMBER: P637232

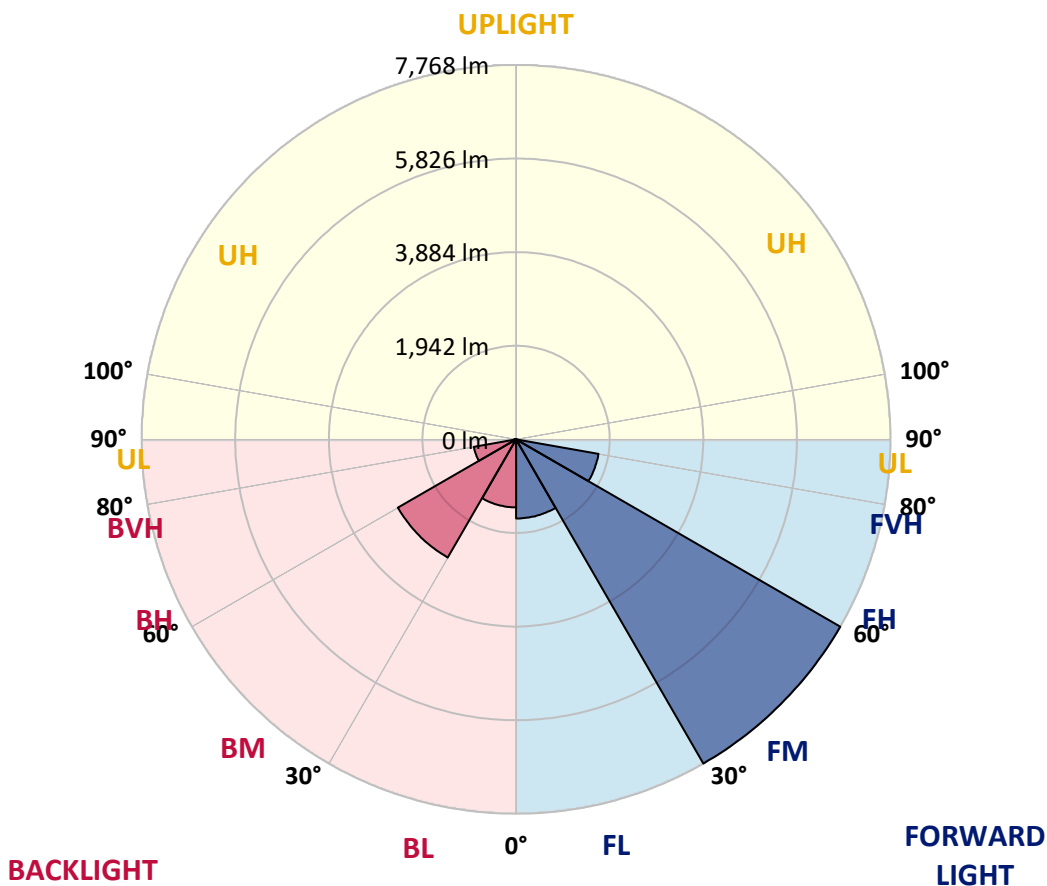
CATALOG NUMBER: GWS-SA4C-735-U-T3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1641.4	10.0			
FM (30°-60°)	7767.7	47.5			
FH (60°-80°)	1736.5	10.6			G1/1800
FVH (80°-90°)	23.4	0.1			G1/100
BL (0°-30°)	1410.8	8.6	B3/2500		
BM (30°-60°)	2832.6	17.3	B3/5000		
BH (60°-80°)	889.5	5.4	B2/1000		G2/1000
BVH (80°-90°)	38.9	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: P637232

CATALOG NUMBER: GWS-SA4C-735-U-T3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3030.4	3030.4	3030.4	3030.4	3030.4	3030.4	3030.4	3030.4	3030.4	3030.4	3030.4
2.5°	3025.0	3023.6	3023.6	3031.8	3031.8	3034.6	3038.7	3042.8	3044.2	3037.3	3022.2
5°	3057.9	3057.9	3057.9	3064.8	3064.8	3067.5	3073.0	3074.4	3073.0	3062.0	3046.9
7.5°	3110.0	3110.0	3111.4	3119.7	3126.5	3130.6	3140.2	3138.9	3134.8	3116.9	3097.7
10°	3195.1	3199.3	3203.4	3213.0	3226.7	3236.3	3243.2	3243.2	3237.7	3210.2	3185.5
12.5°	3315.9	3321.4	3325.5	3333.8	3344.7	3361.2	3376.3	3376.3	3369.4	3335.1	3298.1
15°	3457.3	3462.8	3461.4	3464.1	3484.7	3508.1	3520.4	3528.7	3531.4	3483.4	3425.7
17.5°	3619.2	3624.7	3619.2	3611.0	3613.7	3650.8	3672.8	3703.0	3720.8	3656.3	3564.3
20°	3766.1	3760.6	3760.6	3766.1	3774.3	3819.6	3852.6	3902.0	3923.9	3845.7	3703.0
22.5°	3921.2	3933.5	3928.0	3928.0	3961.0	4036.5	4076.3	4140.8	4164.1	4062.6	3870.4
25°	4121.6	4132.5	4129.8	4132.5	4171.0	4278.0	4317.8	4437.2	4460.6	4315.1	4055.7
27.5°	4341.2	4359.0	4367.2	4364.5	4426.3	4566.3	4615.7	4781.7	4824.3	4597.8	4253.3
30°	4626.6	4645.9	4652.7	4650.0	4722.7	4913.5	4969.8	5159.2	5219.6	4932.7	4504.5
32.5°	4957.4	4976.6	4997.2	5005.4	5098.8	5293.7	5374.6	5570.9	5657.4	5319.7	4807.8
35°	5285.4	5301.9	5341.7	5406.2	5533.9	5732.9	5804.2	5997.8	6081.5	5721.9	5174.3
37.5°	5647.8	5658.7	5693.1	5782.3	5966.2	6155.6	6227.0	6412.2	6421.9	6110.3	5588.8
40°	6044.4	6044.4	6037.6	6125.4	6317.5	6508.3	6570.1	6677.1	6620.9	6409.5	5992.3
42.5°	6380.7	6375.2	6380.7	6463.0	6605.8	6760.9	6814.4	6793.8	6722.4	6638.7	6357.3
45°	6684.0	6688.1	6737.5	6800.7	6874.8	6966.7	6998.3	6881.6	6817.1	6822.6	6649.7
47.5°	6889.9	6894.0	7009.3	7115.0	7160.2	7189.1	7175.3	7013.4	6980.5	7042.2	6874.8
50°	6917.3	6939.3	7138.3	7355.1	7467.7	7471.8	7433.4	7235.7	7226.1	7296.1	6995.5
52.5°	6922.8	6944.8	7193.2	7584.3	7876.7	7938.4	7894.5	7688.7	7588.5	7518.5	7143.8
55°	6902.2	6926.9	7201.4	7738.1	8298.0	8545.1	8549.2	8258.2	7938.4	7891.8	7566.5
57.5°	6093.8	6103.4	6528.9	7346.9	8281.6	8981.5	9035.1	8639.8	8274.7	8230.8	7905.5
60°	4245.1	4283.5	4746.0	5826.2	6957.1	8191.0	8363.9	8248.6	8004.3	7684.5	6782.8
62.5°	2126.0	2158.9	2622.8	3643.9	4798.2	5772.7	5958.0	6080.1	6137.7	5794.6	4618.4
65°	915.4	940.2	1228.4	1903.6	2716.1	3186.9	3251.4	3398.3	3757.9	3353.0	2488.3
67.5°	612.1	628.6	775.5	1161.1	1600.3	1630.5	1620.9	1652.5	1730.7	1428.8	1124.1
70°	469.4	483.1	581.9	850.9	1150.1	984.1	931.9	845.4	918.2	936.0	911.3
72.5°	340.4	351.4	425.5	580.6	720.6	628.6	620.4	664.3	763.1	790.6	775.5
75°	219.6	225.1	270.4	318.4	371.9	403.5	420.0	499.6	599.8	620.4	602.5
77.5°	146.9	151.0	177.1	204.5	211.4	212.7	218.2	253.9	322.5	361.0	356.8
80°	76.9	76.9	86.5	86.5	98.8	118.0	123.5	146.9	178.4	197.6	199.0
82.5°	30.2	31.6	37.1	41.2	49.4	60.4	64.5	76.9	93.3	107.1	119.4
85°	12.4	13.7	15.1	17.8	22.0	27.4	28.8	32.9	43.9	54.9	61.8
87.5°	0.0	0.0	1.4	1.4	2.7	4.1	4.1	5.5	6.9	12.4	16.5
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: P637232

CATALOG NUMBER: GWS-SA4C-735-U-T3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3030.4	3030.4	3030.4	3030.4	3030.4	3030.4	3030.4	3030.4	3030.4	3030.4	3030.4
2.5°	3040.1	3022.2	3040.1	3045.5	3060.6	3066.1	3056.5	3055.1	3055.1	3041.4	3037.3
5°	3060.6	3044.2	3062.0	3070.2	3092.2	3105.9	3108.7	3119.7	3126.5	3121.0	3119.7
7.5°	3111.4	3090.8	3110.0	3122.4	3151.2	3173.2	3182.8	3207.5	3225.3	3222.6	3221.2
10°	3200.6	3173.2	3195.1	3215.7	3247.3	3273.4	3274.7	3288.5	3306.3	3300.8	3298.1
12.5°	3303.6	3277.5	3302.2	3322.8	3359.8	3370.8	3353.0	3347.5	3350.2	3343.4	3337.9
15°	3429.8	3392.8	3414.7	3438.1	3458.7	3446.3	3407.9	3392.8	3391.4	3381.8	3376.3
17.5°	3556.1	3509.4	3525.9	3538.3	3528.7	3490.2	3442.2	3416.1	3403.8	3384.5	3379.1
20°	3681.0	3622.0	3619.2	3609.6	3565.7	3495.7	3431.2	3379.1	3347.5	3321.4	3311.8
22.5°	3823.7	3741.4	3700.2	3656.3	3560.2	3446.3	3348.9	3274.7	3224.0	3191.0	3180.0
25°	3977.5	3860.8	3775.7	3687.9	3505.3	3340.6	3204.7	3103.2	3042.8	3007.1	2994.8
27.5°	4129.8	3969.2	3841.6	3692.0	3395.5	3188.3	3005.7	2868.5	2808.1	2779.3	2769.7
30°	4335.7	4113.3	3919.8	3638.5	3251.4	2976.9	2749.1	2610.5	2570.7	2550.1	2541.8
32.5°	4573.1	4295.9	4024.1	3525.9	3067.5	2729.9	2489.7	2393.6	2366.2	2326.4	2325.0
35°	4886.0	4556.6	4122.9	3359.8	2835.6	2465.0	2290.7	2222.1	2172.6	2109.5	2104.0
37.5°	5251.1	4881.9	4176.5	3148.5	2565.2	2246.8	2142.4	2065.6	1986.0	1902.3	1891.3
40°	5628.6	5262.1	4180.6	2898.7	2300.3	2102.6	2014.8	1914.6	1815.8	1722.5	1710.1
42.5°	6025.2	5616.2	4107.8	2610.5	2083.4	1977.7	1888.5	1762.3	1651.1	1588.0	1581.1
45°	6379.3	5901.7	3943.1	2307.1	1922.8	1873.4	1759.5	1623.6	1564.6	1519.3	1509.7
47.5°	6657.9	6091.1	3720.8	2035.4	1792.5	1766.4	1618.2	1548.2	1502.9	1461.7	1452.1
50°	6795.2	6133.6	3431.2	1814.4	1671.7	1640.1	1538.6	1485.0	1454.8	1421.9	1413.7
52.5°	6965.4	6181.7	3181.4	1629.1	1553.7	1511.1	1472.7	1430.1	1408.2	1387.6	1380.7
55°	7356.5	6362.8	3049.7	1480.9	1441.1	1421.9	1416.4	1380.7	1373.9	1360.1	1347.8
57.5°	7515.7	6246.2	2738.1	1360.1	1351.9	1354.6	1368.4	1335.4	1328.6	1312.1	1303.9
60°	6044.4	4721.3	1854.2	1255.8	1277.8	1295.6	1309.3	1276.4	1266.8	1264.1	1253.1
62.5°	3873.1	2904.2	1294.3	1158.4	1191.3	1213.3	1221.5	1189.9	1183.1	1205.0	1206.4
65°	2016.2	1582.5	1049.9	1054.1	1081.5	1114.5	1130.9	1119.9	1117.2	1140.5	1141.9
67.5°	1029.4	967.6	915.4	930.5	952.5	995.1	1033.5	1081.5	1098.0	1100.7	1102.1
70°	877.0	849.6	823.5	833.1	856.4	879.8	916.8	940.2	912.7	905.8	903.1
72.5°	746.6	726.0	713.7	724.7	737.0	732.9	721.9	732.9	737.0	738.4	739.8
75°	580.6	565.5	555.9	557.2	557.2	542.1	521.5	509.2	495.5	484.5	484.5
77.5°	355.5	358.2	367.8	366.5	365.1	359.6	339.0	328.0	295.1	285.5	285.5
80°	203.1	207.2	216.9	219.6	219.6	212.7	192.1	179.8	164.7	157.8	156.5
82.5°	123.5	129.0	134.5	137.2	138.6	130.4	112.5	102.9	94.7	87.8	87.8
85°	64.5	67.3	72.7	74.1	70.0	61.8	52.2	48.0	39.8	38.4	38.4
87.5°	17.8	19.2	22.0	17.8	16.5	12.4	6.9	5.5	2.7	1.4	1.4
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)