

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: P634730

Luminaire Tested: GWS-SA3C-735-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-735-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11718.2 lumens
Efficiency: N/A
Efficacy: 126.0 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

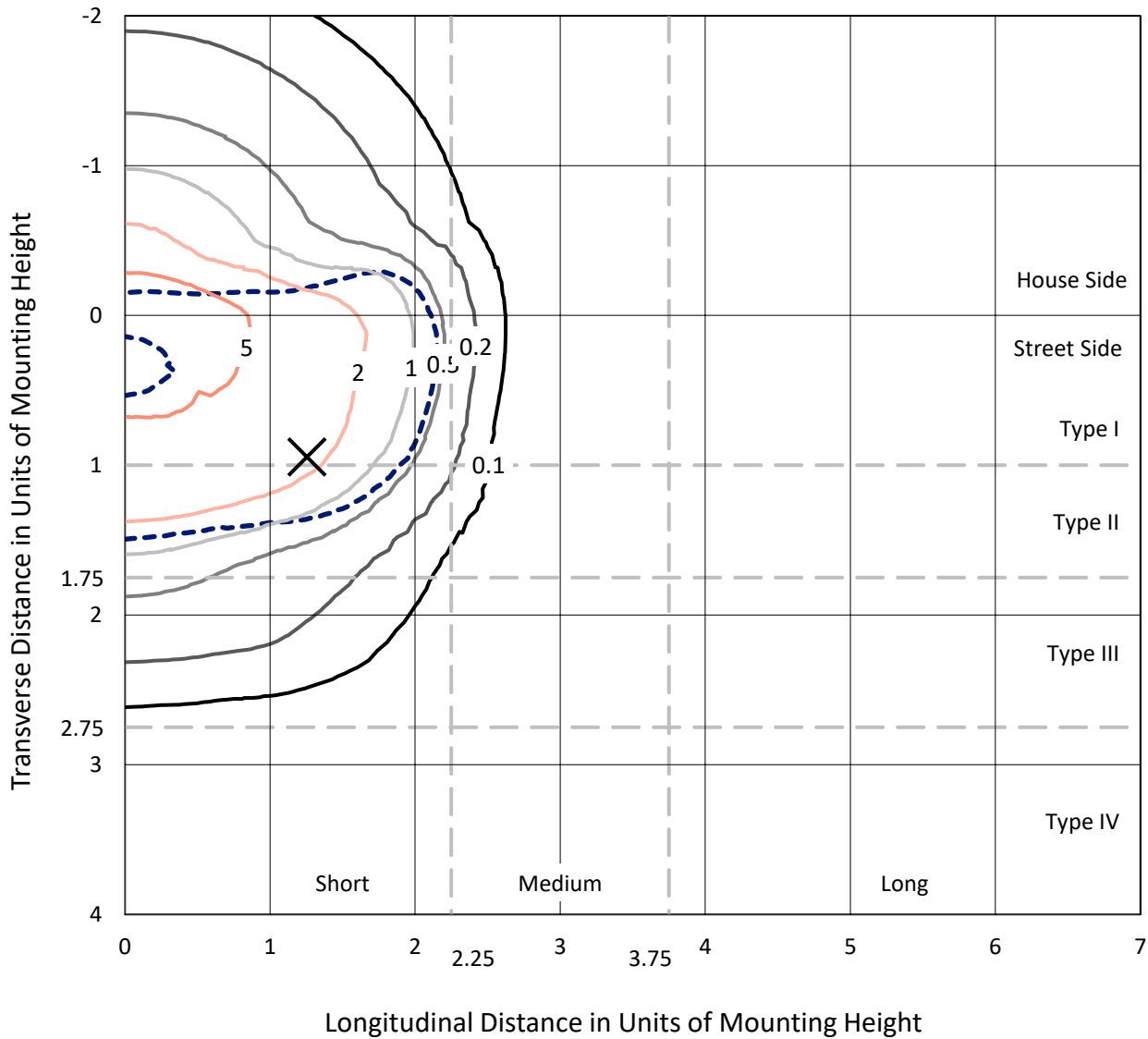
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634730
 CATALOG NUMBER: GWS-SA3C-735-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

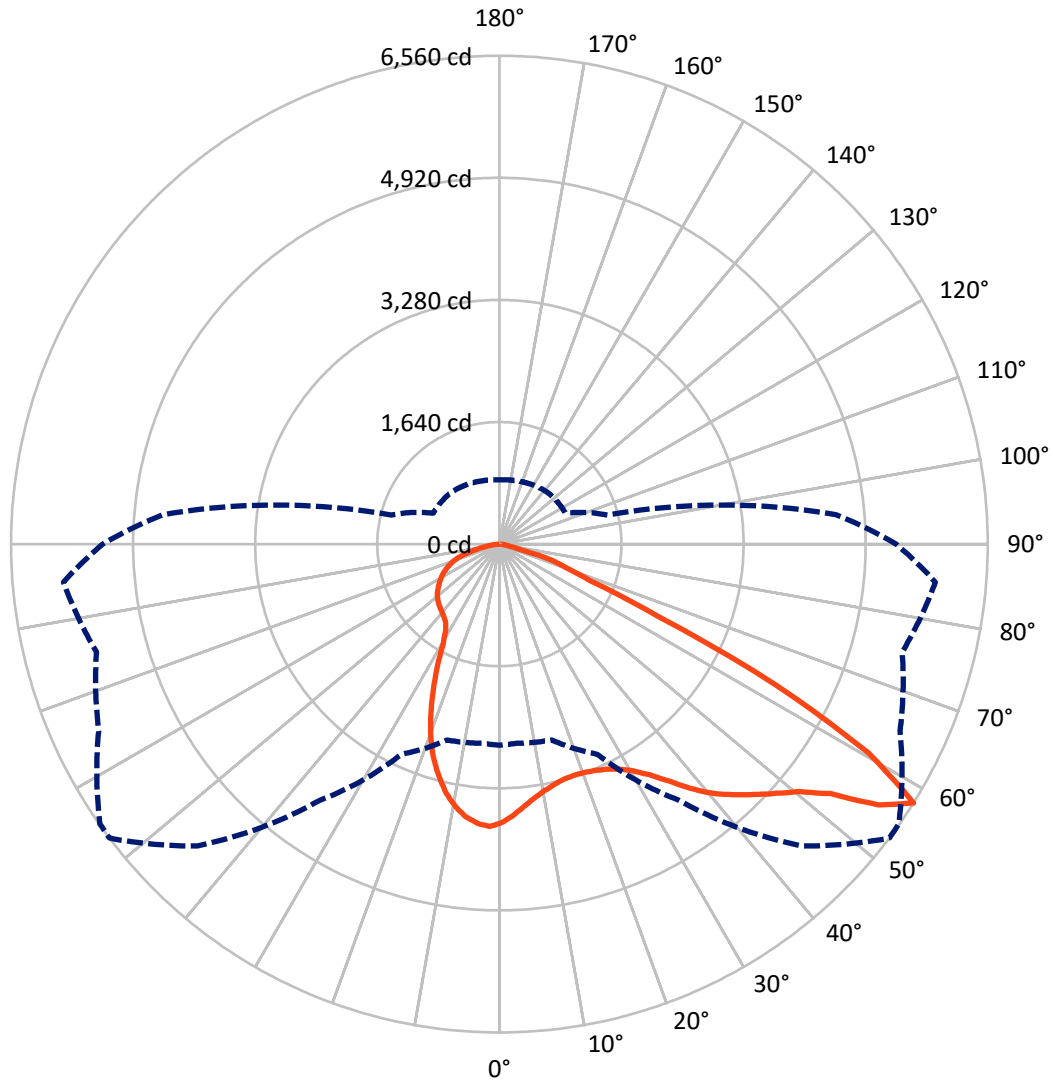
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Short - N/A

REPORT NUMBER: P634730
CATALOG NUMBER: GWS-SA3C-735-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P634730

CATALOG NUMBER: GWS-SA3C-735-U-SL2-W-GRSWH

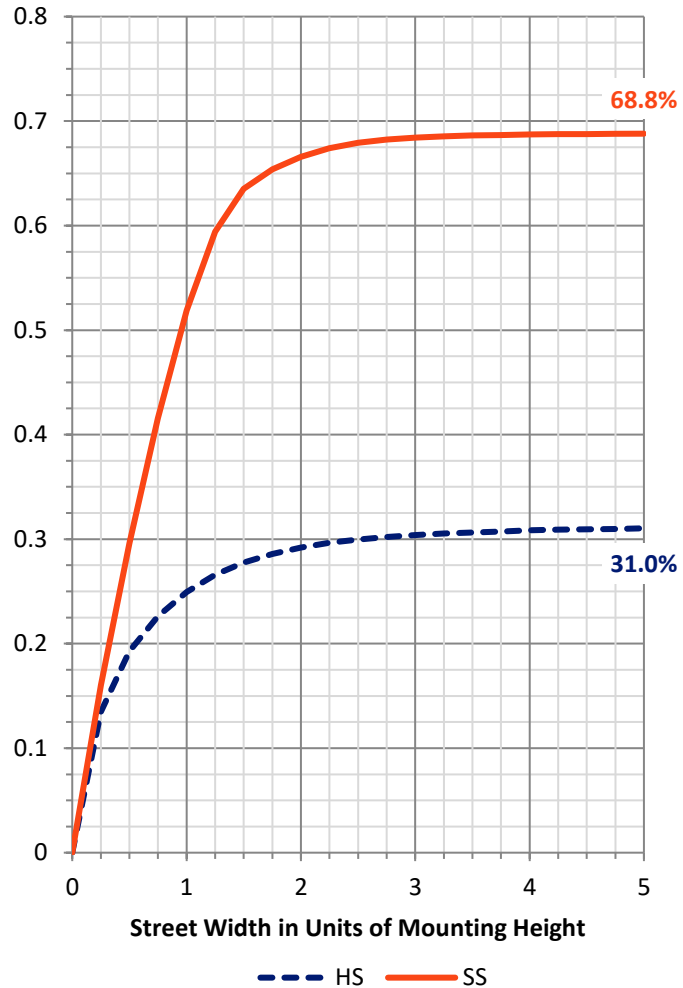
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3663.9	0.0	3663.9
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	8054.3	0.0	8054.3
	% Fixture	68.7	0.0	68.7
Total	Lumens	11718.2	0.0	11718.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.4	2.9
10°-20°	887.8	7.6
20°-30°	1308.0	11.2
30°-40°	1830.8	15.6
40°-50°	2406.8	20.5
50°-60°	2821.9	24.1
60°-70°	1662.4	14.2
70°-80°	413.6	3.5
80°-90°	48.5	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°	11718.2	100.0
0°-180°	11718.2	100.0

Coefficient of Utilization



REPORT NUMBER: P634730

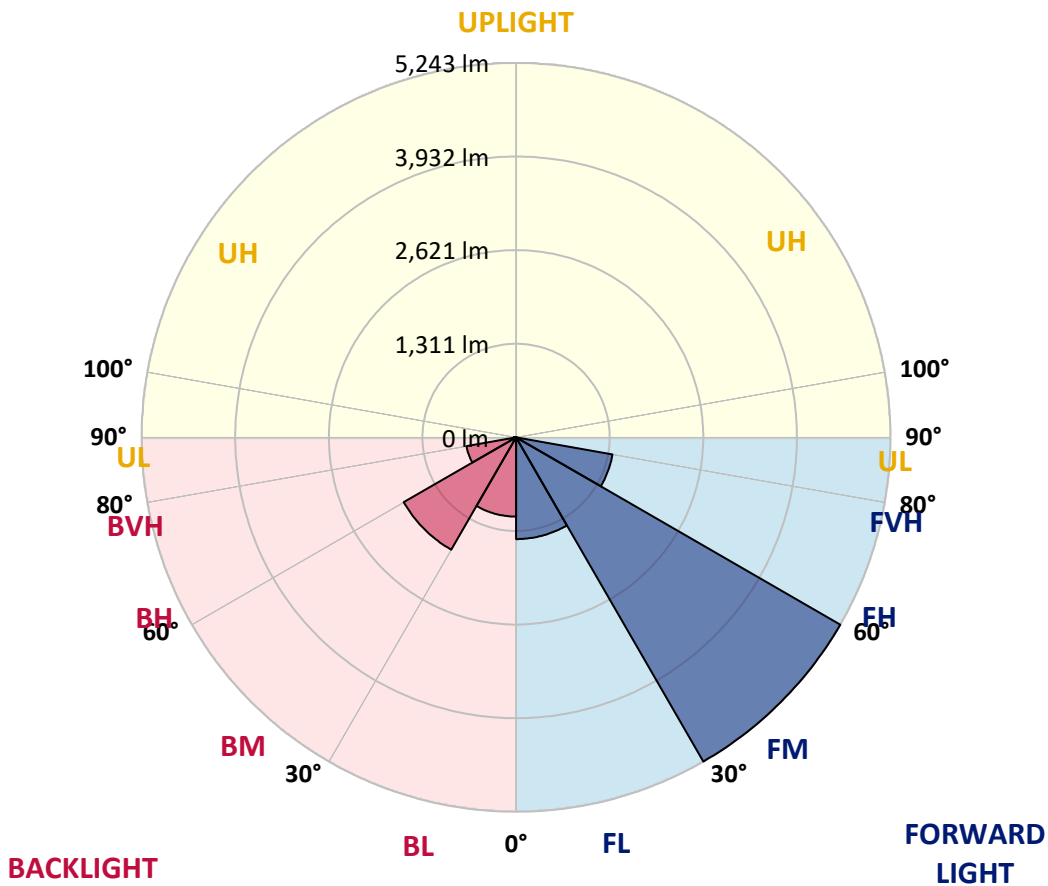
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1424.7	12.2			
FM (30°-60°)	5242.8	44.7			
FH (60°-80°)	1370.6	11.7			G1/1800
FVH (80°-90°)	16.2	0.1			G1/100
BL (0°-30°)	1109.4	9.5	B3/2500		
BM (30°-60°)	1816.7	15.5	B2/2500		
BH (60°-80°)	705.4	6.0	B2/1000		G2/1000
BVH (80°-90°)	32.3	0.3			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: P634730

CATALOG NUMBER: GWS-SA3C-735-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3741.9	3741.9	3741.9	3741.9	3741.9	3741.9	3741.9	3741.9	3741.9	3741.9	3741.9
2.5°	3526.9	3536.8	3538.8	3569.3	3571.3	3615.7	3645.3	3639.4	3669.9	3707.4	3737.0
5°	3358.3	3359.3	3369.1	3405.6	3425.3	3483.5	3532.8	3532.8	3592.0	3669.0	3735.0
7.5°	3219.2	3218.2	3227.1	3267.5	3300.1	3370.1	3437.2	3445.1	3527.9	3640.4	3747.9
10°	3090.0	3096.9	3106.8	3156.1	3197.5	3284.3	3364.2	3377.0	3481.6	3620.6	3765.6
12.5°	3007.2	3008.1	3022.9	3078.2	3131.4	3224.1	3308.0	3323.8	3444.1	3601.9	3778.4
15°	2953.9	2954.9	2970.7	3031.8	3094.0	3187.6	3273.5	3291.2	3422.4	3598.9	3803.1
17.5°	2930.2	2929.2	2944.0	3005.2	3073.2	3170.9	3262.6	3284.3	3432.2	3621.6	3846.5
20°	2930.2	2931.2	2939.1	2994.3	3063.4	3166.9	3273.5	3300.1	3470.7	3672.9	3913.6
22.5°	2971.7	2975.6	2979.5	3017.0	3071.3	3172.9	3302.1	3337.6	3553.6	3758.7	4001.3
25°	3052.5	3053.5	3057.5	3088.0	3112.7	3189.6	3349.4	3402.7	3682.8	3884.0	4111.8
27.5°	3161.0	3174.8	3178.8	3198.5	3198.5	3231.0	3423.4	3500.3	3857.3	4064.5	4252.8
30°	3312.9	3317.8	3324.7	3346.4	3322.8	3309.0	3531.9	3630.5	4059.5	4282.4	4422.5
32.5°	3446.1	3456.9	3494.4	3529.9	3487.5	3444.1	3691.6	3808.0	4253.8	4509.3	4603.0
35°	3559.5	3586.1	3658.1	3737.0	3707.4	3664.0	3903.7	4025.0	4413.6	4672.0	4762.7
37.5°	3696.6	3717.3	3815.9	3944.1	3970.8	3950.0	4162.1	4248.9	4520.1	4713.4	4849.5
40°	3835.6	3867.2	3994.4	4172.0	4273.5	4288.3	4400.8	4459.0	4556.6	4632.5	4832.8
42.5°	3977.7	4031.9	4206.5	4413.6	4594.1	4627.6	4602.0	4626.6	4544.8	4521.1	4754.8
45°	4151.2	4215.4	4412.6	4676.9	4914.6	4966.9	4799.2	4776.5	4542.8	4478.7	4706.5
47.5°	4356.4	4420.5	4608.9	4916.6	5220.4	5258.8	5001.4	4960.0	4611.8	4543.8	4771.6
50°	4537.9	4582.2	4750.9	5095.1	5505.4	5528.1	5224.3	5174.0	4783.4	4724.3	4974.8
52.5°	4353.4	4348.5	4526.0	4950.1	5653.3	5926.5	5567.5	5519.2	5114.8	5024.1	5289.4
55°	3693.6	3637.4	3796.2	4213.4	5240.1	6280.6	6183.0	6086.3	5556.7	5325.9	5584.3
57.5°	2700.4	2684.6	2723.1	3114.7	4197.6	5732.2	6559.7	6550.9	5938.4	5602.1	5878.2
60°	2111.6	2088.0	1985.4	1996.2	2861.2	4477.7	5692.8	5954.2	6175.1	5767.8	6083.4
62.5°	1874.9	1857.2	1803.9	1656.9	1704.3	3002.2	4172.9	4412.6	5395.9	5094.1	5225.3
65°	1552.4	1547.5	1591.9	1585.9	1428.1	1657.9	2355.2	2596.9	3392.8	3435.2	3392.8
67.5°	1128.3	1119.4	1231.9	1453.8	1374.9	1251.6	1312.7	1396.6	1739.8	1562.3	1406.4
70°	733.8	721.0	786.1	1050.4	1230.9	1090.8	945.8	932.0	956.7	594.7	643.1
72.5°	492.2	477.4	476.4	578.0	743.7	734.8	732.8	725.9	648.0	469.5	520.8
75°	274.2	262.3	259.4	249.5	266.3	271.2	289.0	298.8	323.5	356.0	394.5
77.5°	46.4	45.4	57.2	73.0	100.6	129.2	159.8	168.7	208.1	246.6	271.2
80°	25.6	26.6	34.5	42.4	56.2	76.9	98.6	104.5	128.2	148.9	168.7
82.5°	13.8	13.8	17.8	22.7	30.6	40.4	53.3	58.2	74.0	86.8	100.6
85°	4.9	4.9	6.9	8.9	12.8	16.8	20.7	23.7	32.5	44.4	50.3
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	3.9	3.9	4.9	8.9	12.8
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: P634730

CATALOG NUMBER: GWS-SA3C-735-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3741.9	3741.9	3741.9	3741.9	3741.9	3741.9	3741.9	3741.9	3741.9	3741.9	3741.9
2.5°	3761.7	3735.0	3771.5	3788.3	3794.2	3798.2	3772.5	3754.8	3748.8	3730.1	3719.3
5°	3775.5	3757.7	3792.2	3792.2	3767.6	3741.9	3689.7	3653.2	3627.5	3597.0	3592.0
7.5°	3799.1	3786.3	3805.1	3766.6	3704.5	3635.4	3544.7	3473.7	3416.5	3379.0	3380.0
10°	3830.7	3814.9	3800.1	3714.3	3600.9	3473.7	3334.6	3231.0	3136.4	3093.0	3069.3
12.5°	3851.4	3828.7	3766.6	3624.6	3457.9	3287.3	3091.0	2937.1	2800.0	2737.9	2733.0
15°	3877.1	3835.6	3711.4	3508.2	3276.4	3043.7	2791.2	2577.1	2391.7	2295.1	2290.1
17.5°	3910.6	3842.5	3645.3	3375.0	3085.1	2741.9	2424.3	2155.0	1957.8	1882.8	1895.6
20°	3957.9	3850.4	3570.3	3227.1	2847.4	2398.6	2003.1	1755.6	1679.6	1674.7	1664.8
22.5°	4011.2	3855.4	3487.5	3061.4	2559.4	2032.7	1655.0	1549.4	1548.5	1573.1	1579.0
25°	4071.4	3859.3	3393.8	2868.1	2247.7	1667.8	1463.6	1432.1	1456.7	1503.1	1509.0
27.5°	4148.3	3867.2	3280.4	2656.0	1916.3	1441.0	1358.1	1350.2	1379.8	1423.2	1421.2
30°	4261.7	3895.8	3160.0	2412.4	1576.1	1333.4	1294.0	1295.0	1306.8	1327.5	1330.5
32.5°	4377.1	3940.2	3042.7	2138.3	1380.8	1272.3	1254.5	1252.6	1252.6	1261.4	1263.4
35°	4486.6	3990.5	2915.4	1852.2	1286.1	1236.8	1225.0	1219.0	1216.1	1214.1	1211.1
37.5°	4547.7	4015.1	2791.2	1570.2	1235.8	1213.1	1201.3	1193.4	1182.5	1174.7	1172.7
40°	4521.1	3986.5	2647.2	1359.1	1205.2	1190.4	1176.6	1165.8	1151.0	1144.1	1140.1
42.5°	4432.3	3897.8	2490.4	1259.5	1180.6	1165.8	1149.0	1131.3	1121.4	1115.5	1114.5
45°	4338.6	3790.3	2301.0	1201.3	1156.9	1139.2	1119.4	1099.7	1088.9	1085.9	1084.9
47.5°	4335.7	3737.0	2099.8	1154.9	1128.3	1110.5	1085.9	1066.2	1054.3	1050.4	1046.4
50°	4465.9	3791.3	1872.9	1114.5	1098.7	1080.0	1052.4	1030.7	1015.9	1010.9	1009.9
52.5°	4736.1	3995.4	1669.8	1074.1	1059.3	1037.6	1014.9	993.2	975.4	966.6	965.6
55°	5028.0	4254.8	1543.5	1032.6	1012.9	994.2	973.5	949.8	930.1	916.3	914.3
57.5°	5329.8	4537.9	1505.1	980.4	965.6	952.7	928.1	902.4	879.8	866.9	864.0
60°	5578.4	4781.5	1577.1	925.1	917.2	900.5	877.8	853.1	837.3	827.5	825.5
62.5°	4670.0	3892.8	1273.3	865.0	865.0	847.2	821.6	803.8	793.0	786.1	784.1
65°	2963.8	2410.5	868.9	804.8	803.8	780.1	758.4	746.6	741.7	730.8	728.9
67.5°	1291.0	1101.7	742.7	743.7	739.7	714.1	692.4	683.5	673.6	661.8	660.8
70°	669.7	682.5	664.8	675.6	668.7	638.1	617.4	603.6	582.9	571.1	572.0
72.5°	540.5	554.3	574.0	590.8	576.0	551.3	518.8	502.0	475.4	462.6	463.6
75°	412.3	427.1	445.8	463.6	451.7	421.1	400.4	383.7	353.1	338.3	341.3
77.5°	284.0	291.9	314.6	313.6	309.7	300.8	270.2	250.5	219.0	201.2	203.2
80°	176.5	181.5	192.3	197.3	195.3	183.4	158.8	144.0	125.3	114.4	115.4
82.5°	106.5	109.5	119.3	120.3	119.3	110.5	91.7	80.9	69.0	63.1	63.1
85°	54.2	56.2	62.1	62.1	56.2	47.3	42.4	37.5	30.6	27.6	27.6
87.5°	14.8	14.8	18.7	15.8	12.8	11.8	5.9	4.9	2.0	1.0	1.0
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)