

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: P634337

Luminaire Tested: GWS-SA3B-750-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8013.3 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

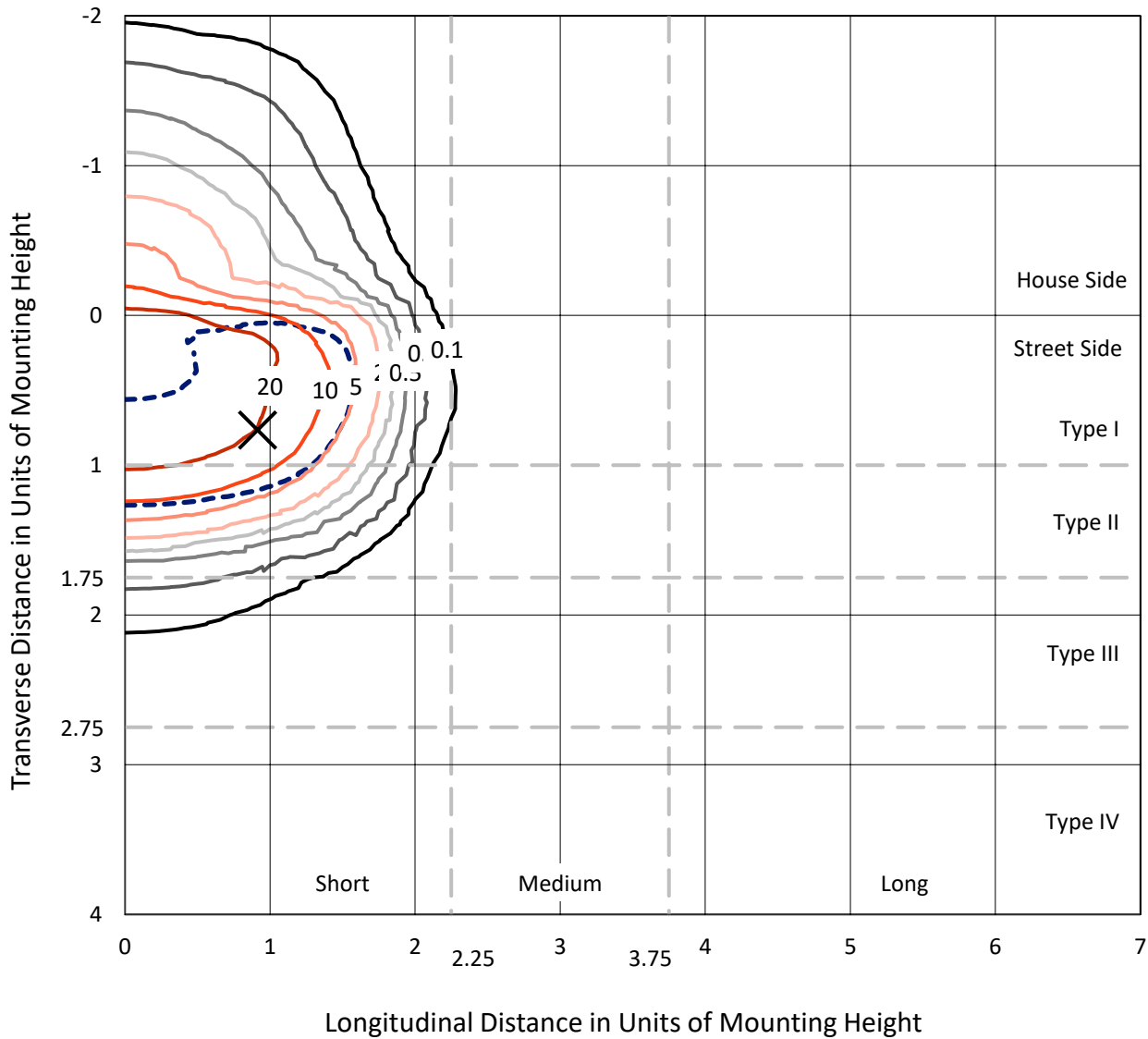
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

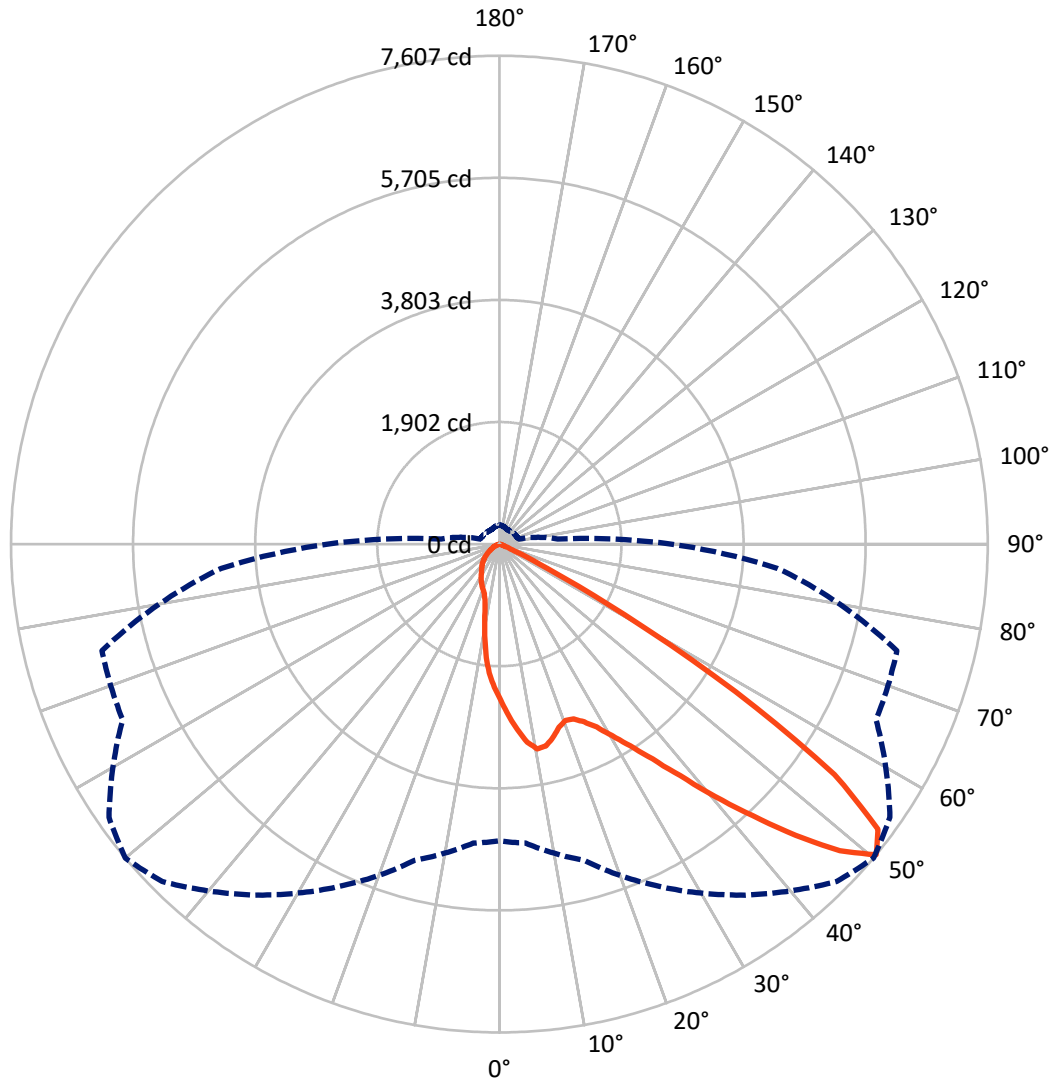
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 31.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical



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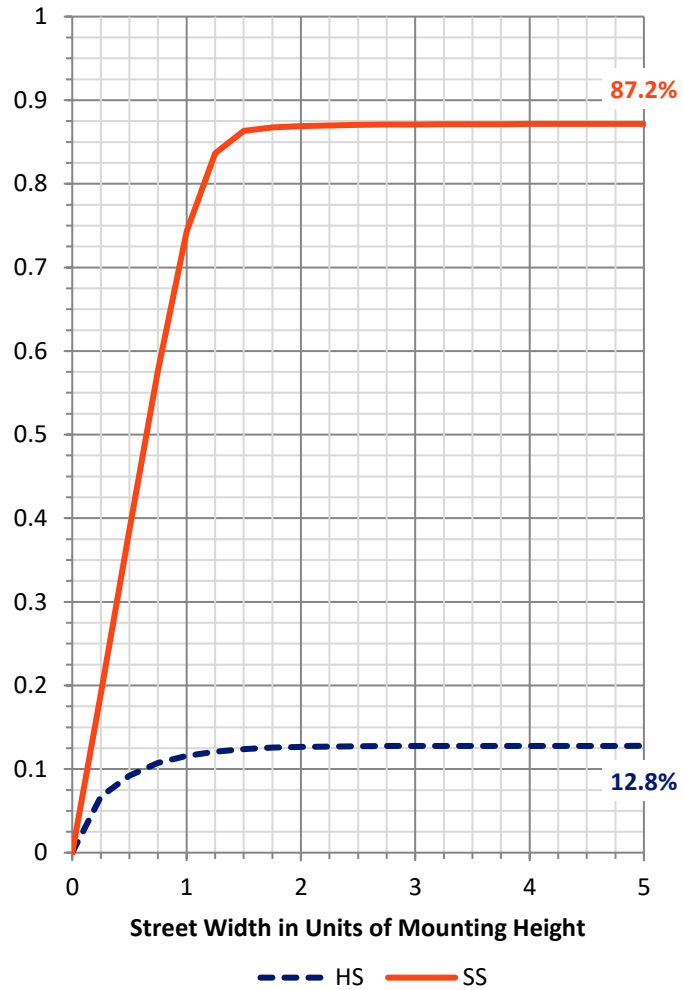
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1029.6	0.0	1029.6
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	6983.7	0.0	6983.7
	% Fixture	87.2	0.0	87.2
Total	Lumens	8013.3	0.0	8013.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.2	2.8
10°-20°	581.1	7.3
20°-30°	958.9	12.0
30°-40°	1582.5	19.7
40°-50°	2503.8	31.2
50°-60°	1895.7	23.7
60°-70°	237.3	3.0
70°-80°	26.8	0.3
80°-90°	2.1	0.0
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°	8013.3	100.0
0°-180°	8013.3	100.0

Coefficient of Utilization



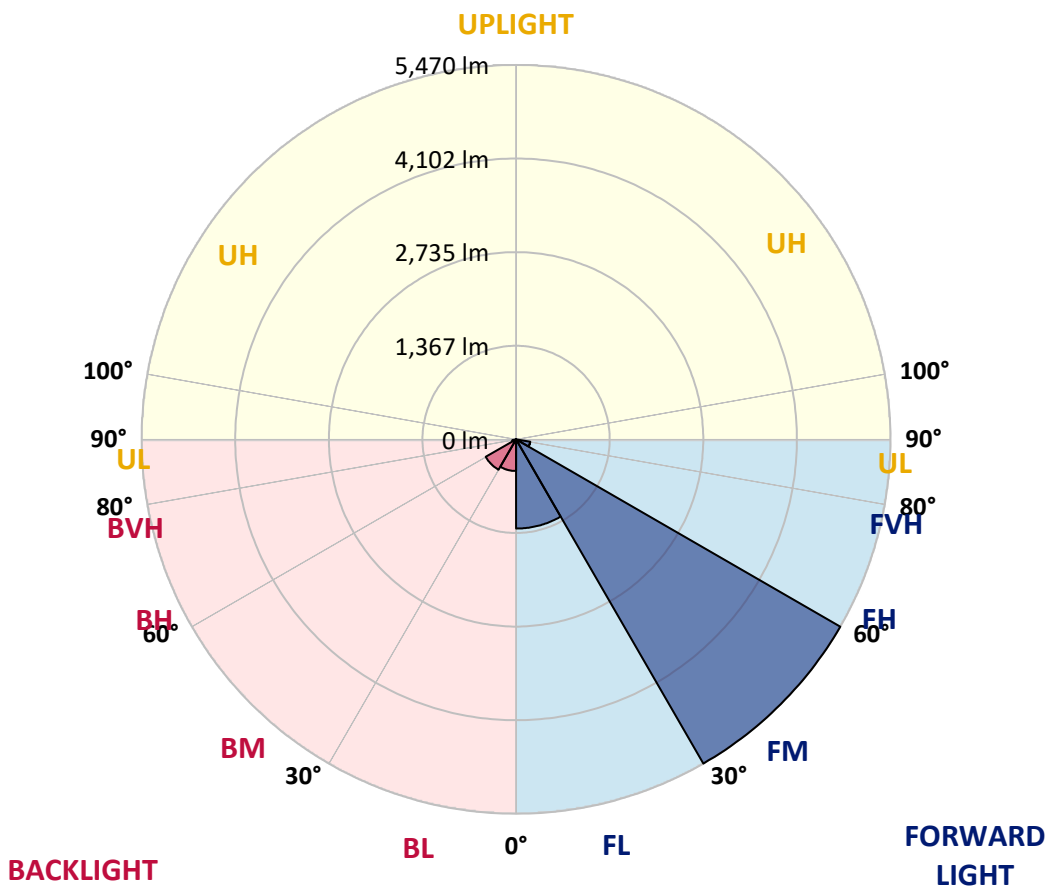
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1303.1	16.3			
FM (30°-60°)	5469.9	68.3			
FH (60°-80°)	209.8	2.6			G0/660
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	462.1	5.8	B1/500		
BM (30°-60°)	512.0	6.4	B1/1000		
BH (60°-80°)	54.3	0.7	B0/110		G0/110
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2427.7	2427.7	2427.7	2427.7	2427.7	2427.7	2427.7	2427.7	2427.7	2427.7	2427.7
2.5°	2766.4	2788.5	2782.4	2753.4	2722.1	2700.0	2665.7	2655.0	2577.2	2523.1	2465.8
5°	3100.4	3107.3	3099.7	3064.6	3009.7	2957.0	2900.6	2867.8	2737.4	2619.9	2500.2
7.5°	3180.5	3172.1	3186.6	3204.2	3196.5	3173.6	3114.2	3078.3	2922.7	2731.3	2549.7
10°	2930.3	2911.3	2965.4	3056.2	3151.5	3259.1	3243.8	3246.9	3103.5	2871.6	2614.6
12.5°	2598.6	2590.9	2631.4	2736.6	2923.5	3167.5	3226.3	3324.7	3269.0	3023.4	2688.6
15°	2452.9	2456.7	2481.1	2547.5	2681.7	2985.3	3126.4	3304.1	3416.9	3170.6	2770.2
17.5°	2475.0	2488.7	2488.0	2510.1	2591.7	2835.0	2999.7	3239.2	3531.4	3339.9	2864.0
20°	2625.3	2639.0	2618.4	2601.6	2629.1	2796.9	2933.4	3173.6	3608.4	3510.8	2963.1
22.5°	2850.3	2866.3	2817.5	2769.4	2751.9	2859.4	2958.6	3146.9	3667.1	3667.1	3051.6
25°	3122.5	3144.7	3069.2	2983.7	2934.9	2991.4	3066.1	3207.2	3727.4	3807.5	3111.9
27.5°	3426.9	3427.6	3362.8	3266.7	3175.2	3182.0	3227.0	3343.0	3793.7	3958.5	3159.2
30°	3769.3	3771.6	3685.4	3570.3	3455.1	3423.8	3461.9	3549.7	3931.8	4148.4	3224.7
32.5°	4211.7	4222.4	4098.8	3929.5	3780.0	3721.3	3743.4	3835.7	4151.4	4386.4	3323.1
35°	4809.7	4821.1	4638.8	4415.3	4177.4	4088.9	4111.0	4204.1	4469.5	4724.2	3480.3
37.5°	5400.0	5415.3	5230.7	5022.5	4696.0	4549.6	4572.5	4660.9	4946.9	5191.0	3731.9
40°	5808.0	5828.6	5771.4	5631.1	5328.3	5136.1	5163.6	5195.6	5472.5	5749.3	4058.4
42.5°	6023.1	6052.1	6076.5	6148.2	5988.8	5827.9	5781.4	5783.6	6007.1	6318.3	4397.8
45°	6036.1	6064.3	6189.4	6466.3	6587.5	6554.0	6469.3	6412.1	6415.2	6697.4	4609.8
47.5°	5616.6	5669.2	5903.4	6445.7	6901.8	7180.2	7137.5	7001.7	6586.8	6722.5	4586.9
50°	4622.8	4674.7	5100.3	5880.5	6673.0	7430.3	7606.5	7424.2	6474.7	6409.1	4351.3
52.5°	3357.5	3362.8	3638.9	4550.3	5745.5	6968.9	7383.8	7366.3	6303.8	6029.2	4029.4
55°	1594.8	1575.8	1886.2	2568.1	3973.7	5636.4	6335.8	6534.2	6061.3	5754.7	3780.0
57.5°	464.5	473.6	611.7	1002.2	1987.6	3602.3	4339.1	4708.2	4975.2	4731.1	2931.9
60°	208.2	209.0	232.6	305.1	662.0	1675.7	2243.1	2700.0	2974.6	2756.4	1454.5
62.5°	151.0	151.8	160.9	172.4	225.0	567.5	841.3	1121.2	1141.8	747.5	368.4
65°	125.8	125.8	127.4	127.4	135.0	202.9	255.5	329.5	277.6	205.9	144.2
67.5°	101.4	102.2	103.7	103.7	101.4	101.4	109.8	120.5	128.9	159.4	132.7
70°	79.3	78.6	78.6	79.3	77.0	65.6	70.9	80.8	88.5	124.3	115.2
72.5°	61.8	62.5	61.8	58.7	53.4	38.9	41.9	52.6	56.4	77.8	77.8
75°	46.5	47.3	44.2	33.6	22.1	12.2	16.0	25.9	32.8	38.1	28.2
77.5°	6.1	6.1	4.6	4.6	3.8	4.6	4.6	6.1	9.2	9.2	6.9
80°	0.8	0.8	0.8	1.5	2.3	3.1	3.1	3.1	3.1	3.8	3.8
82.5°	0.8	0.8	0.8	0.8	2.3	2.3	3.1	3.1	3.1	3.1	3.1
85°	0.0	0.0	0.0	0.8	1.5	2.3	2.3	3.1	3.1	3.1	3.1
87.5°	0.0	0.0	0.0	0.8	1.5	2.3	2.3	2.3	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2427.7	2427.7	2427.7	2427.7	2427.7	2427.7	2427.7	2427.7	2427.7	2427.7	2427.7
2.5°	2431.5	2387.3	2333.9	2297.3	2245.4	2211.1	2162.3	2129.5	2101.3	2079.2	2091.4
5°	2432.3	2362.1	2253.1	2160.0	2058.6	1965.5	1865.6	1787.0	1716.1	1684.1	1701.6
7.5°	2447.5	2346.9	2179.8	2014.3	1819.8	1627.6	1447.6	1301.2	1228.7	1194.4	1205.1
10°	2477.3	2340.0	2098.2	1823.6	1507.9	1245.5	1070.8	971.7	931.3	909.9	913.7
12.5°	2504.7	2335.4	1992.2	1572.7	1189.8	966.4	875.6	861.9	870.3	871.0	870.3
15°	2542.1	2327.0	1861.0	1314.9	951.9	835.2	837.5	857.3	877.1	883.2	881.7
17.5°	2581.8	2314.1	1691.7	1067.8	807.7	797.0	823.7	850.4	870.3	873.3	874.1
20°	2623.0	2287.4	1498.7	871.8	740.6	768.1	797.8	817.6	832.1	836.7	838.2
22.5°	2642.0	2230.9	1276.0	731.4	695.6	732.2	754.3	780.3	784.8	768.1	771.1
25°	2632.1	2135.6	1058.6	636.9	650.6	687.2	720.0	707.0	688.0	675.8	679.6
27.5°	2600.8	2009.0	845.8	567.5	602.5	649.1	652.9	638.4	635.3	625.4	628.5
30°	2567.3	1863.3	680.3	511.8	553.7	602.5	591.1	596.4	597.2	585.8	589.6
32.5°	2546.7	1710.8	541.5	474.4	522.5	531.6	554.5	565.2	565.9	539.2	543.8
35°	2553.6	1560.5	458.4	443.9	493.5	491.2	523.2	529.3	485.1	448.5	452.3
37.5°	2609.2	1421.7	411.1	420.3	443.1	460.7	485.1	444.7	434.7	418.0	420.3
40°	2713.0	1303.5	382.9	405.8	408.8	437.0	399.7	405.0	405.8	395.1	397.4
42.5°	2834.2	1205.1	366.1	397.4	389.7	394.3	356.9	367.6	379.1	374.5	375.3
45°	2895.3	1109.0	351.6	368.4	370.7	327.2	318.8	330.3	344.7	347.0	347.8
47.5°	2841.1	1017.5	336.4	326.4	341.7	298.2	288.3	292.1	308.9	318.1	319.6
50°	2675.6	912.2	313.5	289.1	280.7	267.7	258.6	259.3	278.4	294.4	297.5
52.5°	2443.0	802.4	276.1	244.8	225.8	235.7	238.0	233.4	250.9	266.9	270.0
55°	2217.2	665.1	218.9	199.1	181.5	202.9	209.0	202.9	208.2	218.9	219.7
57.5°	1561.3	376.0	167.8	164.7	150.3	173.9	183.8	174.7	165.5	172.4	173.9
60°	723.8	196.8	128.9	128.9	125.1	149.5	166.3	153.3	135.8	138.8	141.1
62.5°	226.5	124.3	94.6	89.2	102.2	127.4	141.1	128.1	107.5	107.5	110.6
65°	128.1	106.8	74.7	68.6	83.1	102.2	110.6	96.9	78.6	77.0	77.0
67.5°	119.0	101.4	66.4	55.7	58.7	65.6	68.6	59.5	54.2	53.4	54.2
70°	98.4	84.7	53.4	38.1	35.8	35.1	36.6	34.3	32.8	33.6	35.8
72.5°	61.0	51.1	33.6	22.9	19.8	19.1	19.1	19.1	18.3	18.3	18.3
75°	22.1	19.1	15.3	11.4	9.9	9.2	9.2	9.9	9.2	8.4	7.6
77.5°	6.9	6.1	6.1	6.1	5.3	4.6	3.8	3.8	3.1	2.3	2.3
80°	3.8	3.8	3.8	3.8	3.1	3.1	2.3	1.5	0.8	0.8	0.0
82.5°	3.8	3.8	3.8	3.1	3.1	3.1	2.3	1.5	0.8	0.0	0.0
85°	3.1	3.1	3.1	3.1	3.1	3.1	2.3	1.5	0.8	0.0	0.0
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	2.3	1.5	0.8	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)