

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: P632357

Luminaire Tested: GWS-SA2C-750-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632357
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-SA2C-750-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7130.3 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

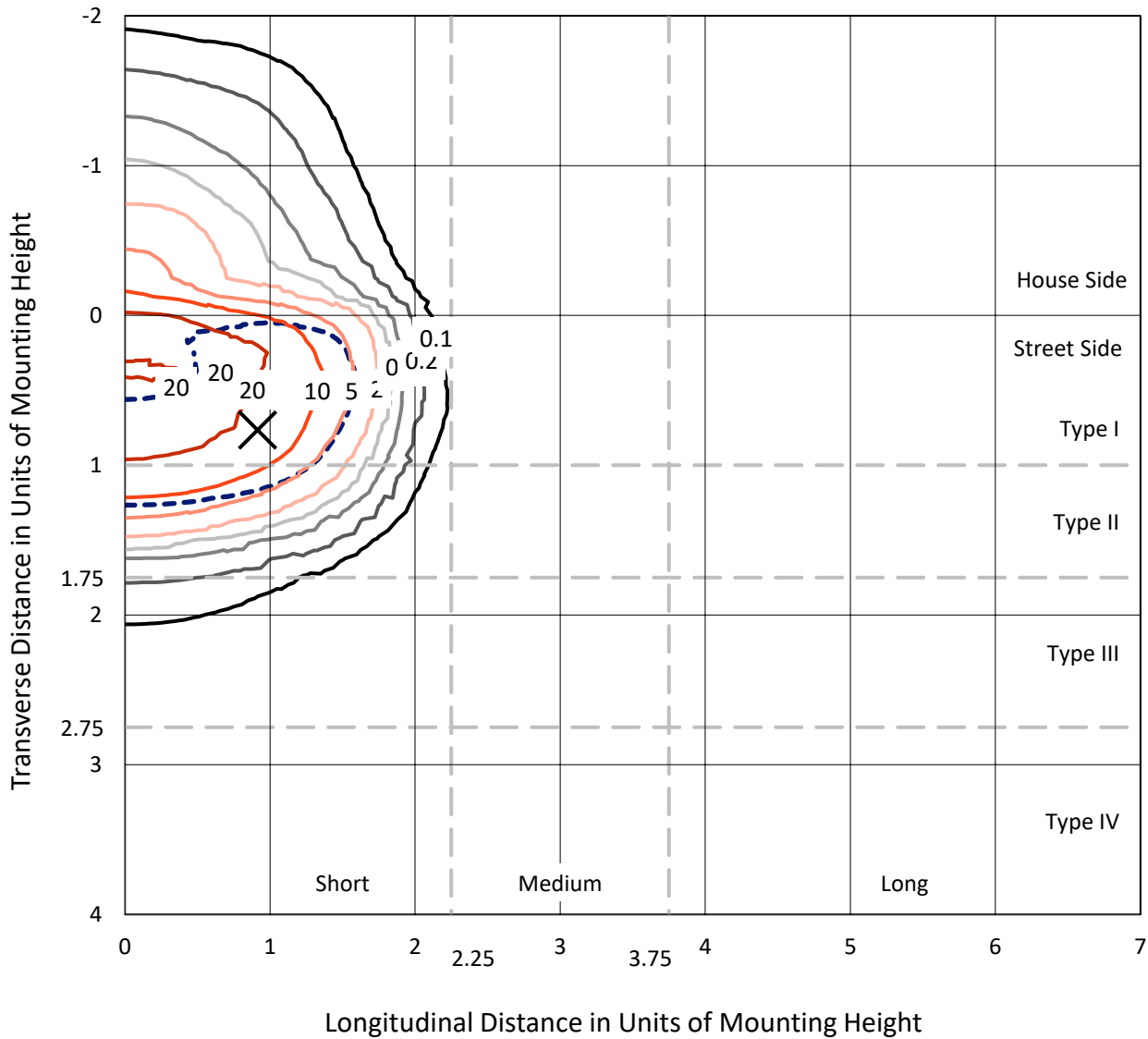
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632357
 CATALOG NUMBER: GWS-SA2C-750-U-AFL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

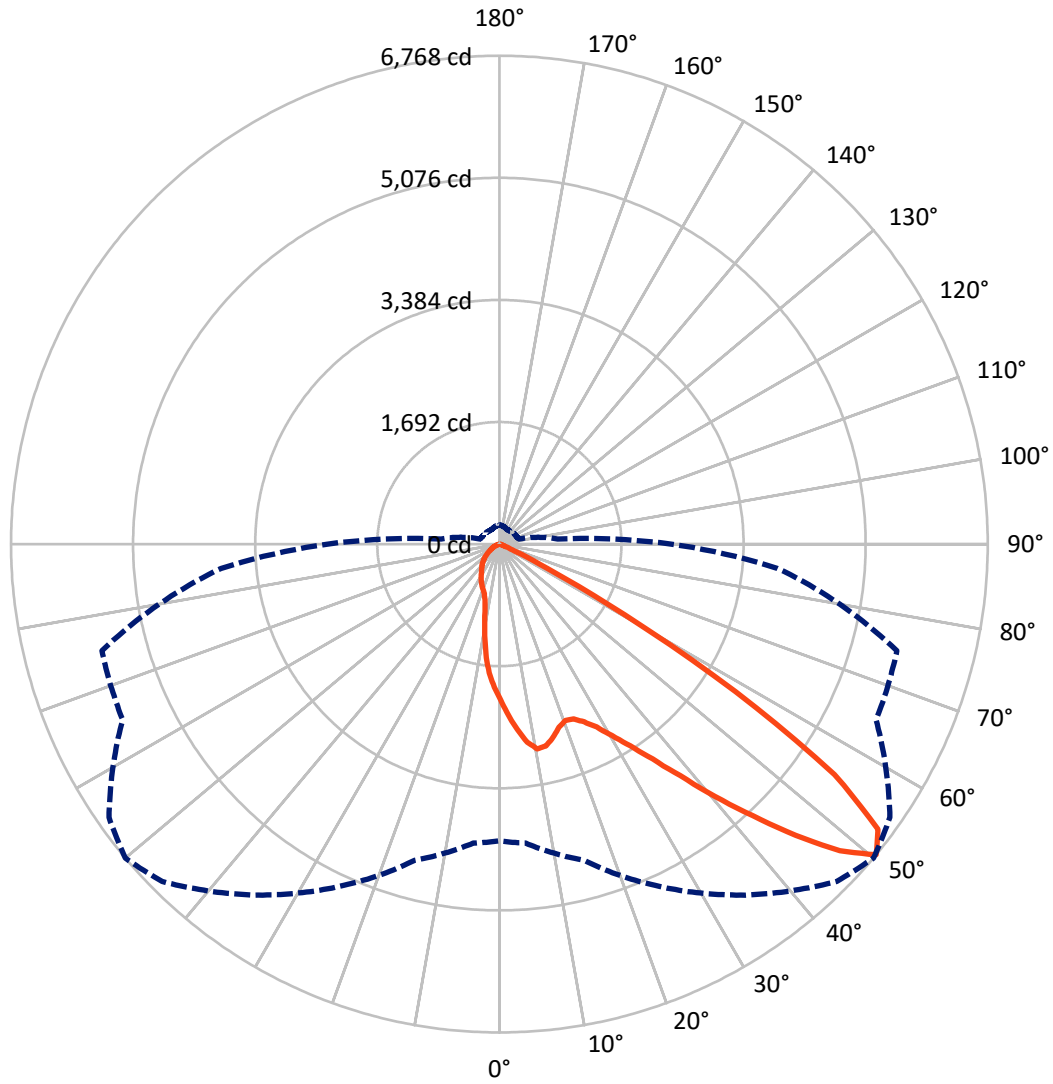
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.7 fc
 Type II - Short - N/A

REPORT NUMBER: P632357
CATALOG NUMBER: GWS-SA2C-750-U-AFL-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632357

CATALOG NUMBER: GWS-SA2C-750-U-AFL-W-GRSBK

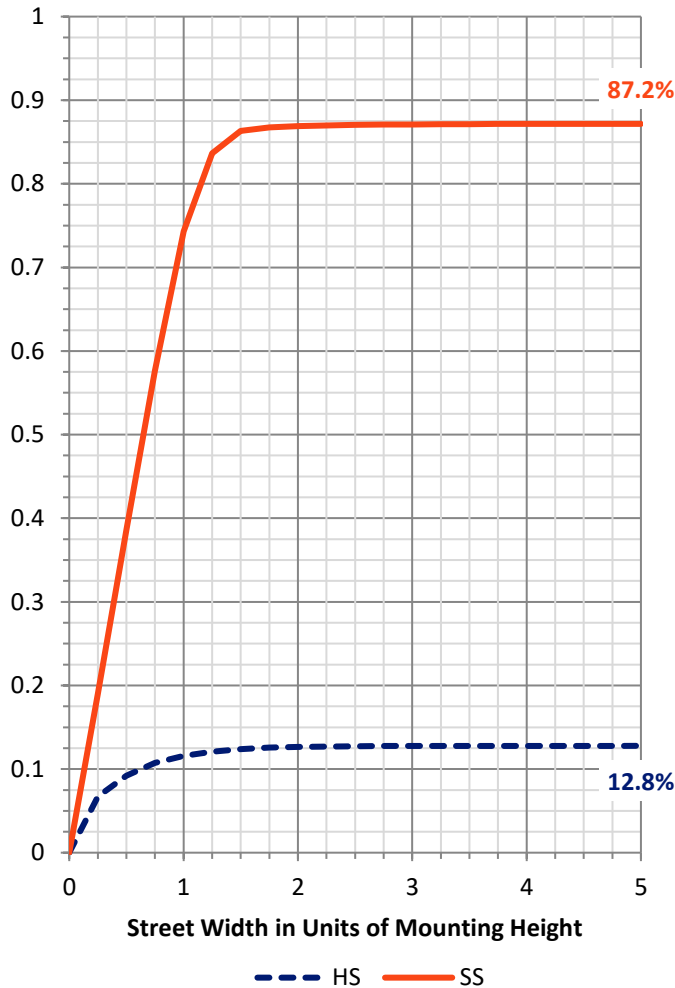
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	916.1	0.0	916.1
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	6214.2	0.0	6214.2
	% Fixture	87.2	0.0	87.2
Total	Lumens	7130.3	0.0	7130.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.4	2.8
10°-20°	517.0	7.3
20°-30°	853.3	12.0
30°-40°	1408.1	19.7
40°-50°	2227.9	31.2
50°-60°	1686.8	23.7
60°-70°	211.1	3.0
70°-80°	23.9	0.3
80°-90°	1.8	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°	7130.3	100.0
0°-180°	7130.3	100.0

Coefficient of Utilization



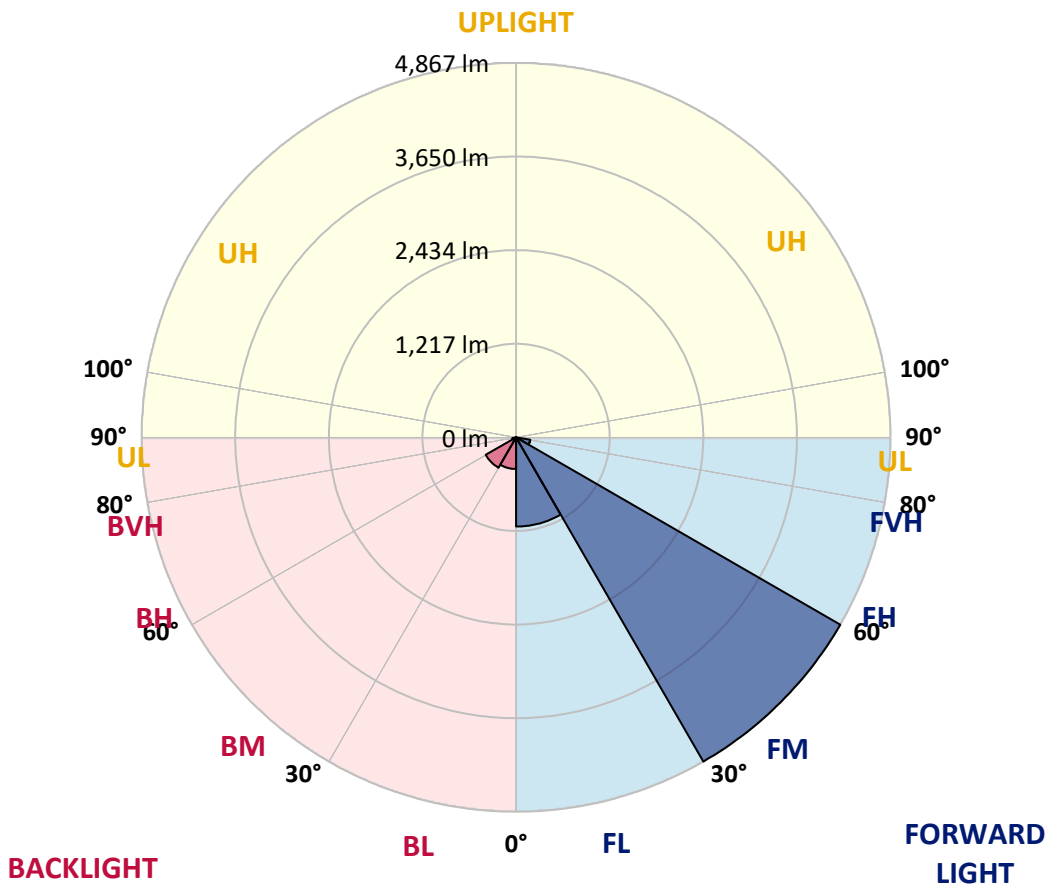
REPORT NUMBER: P632357

CATALOG NUMBER: GWS-SA2C-750-U-AFL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1159.5	16.3			
FM (30°-60°)	4867.2	68.3			
FH (60°-80°)	186.6	2.6			G0/660
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	411.2	5.8	B1/500		
BM (30°-60°)	455.6	6.4	B1/1000		
BH (60°-80°)	48.3	0.7	B0/110		G0/110
BVH (80°-90°)	1.0	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°	2160.2	2160.2	2160.2	2160.2	2160.2	2160.2	2160.2	2160.2	2160.2	2160.2	2160.2
2.5°	2461.5	2481.2	2475.8	2450.0	2422.2	2402.5	2371.9	2362.4	2293.2	2245.0	2194.1
5°	2758.8	2764.9	2758.1	2726.9	2678.0	2631.2	2581.0	2551.8	2435.7	2331.2	2224.7
7.5°	2830.0	2822.6	2835.5	2851.1	2844.3	2823.9	2771.0	2739.1	2600.7	2430.3	2268.8
10°	2607.4	2590.5	2638.7	2719.4	2804.3	2899.9	2886.4	2889.1	2761.5	2555.2	2326.5
12.5°	2312.2	2305.4	2341.4	2435.1	2601.3	2818.5	2870.8	2958.3	2908.8	2690.2	2392.3
15°	2182.6	2186.0	2207.7	2266.7	2386.2	2656.3	2781.9	2940.0	3040.4	2821.2	2464.9
17.5°	2202.3	2214.5	2213.8	2233.5	2306.1	2522.6	2669.2	2882.3	3142.2	2971.9	2548.4
20°	2336.0	2348.2	2329.9	2314.9	2339.4	2488.7	2610.2	2823.9	3210.8	3123.9	2636.6
22.5°	2536.2	2550.4	2507.0	2464.2	2448.6	2544.3	2632.5	2800.2	3263.0	3263.0	2715.3
25°	2778.5	2798.1	2731.0	2654.9	2611.5	2661.7	2728.2	2853.8	3316.6	3387.9	2769.0
27.5°	3049.3	3049.9	2992.2	2906.7	2825.3	2831.4	2871.4	2974.6	3375.7	3522.3	2811.0
30°	3354.0	3356.0	3279.3	3176.8	3074.4	3046.5	3080.5	3158.5	3498.5	3691.3	2869.4
32.5°	3747.6	3757.1	3647.2	3496.5	3363.5	3311.2	3330.9	3413.0	3694.0	3903.0	2957.0
35°	4279.7	4289.9	4127.7	3928.8	3717.1	3638.3	3658.0	3740.8	3977.0	4203.7	3096.8
37.5°	4805.0	4818.5	4654.3	4469.0	4178.6	4048.2	4068.6	4147.3	4401.8	4619.0	3320.7
40°	5168.1	5186.4	5135.5	5010.6	4741.2	4570.1	4594.6	4623.1	4869.4	5115.8	3611.2
42.5°	5359.4	5385.2	5406.9	5470.7	5328.9	5185.7	5144.3	5146.3	5345.2	5622.1	3913.2
45°	5371.0	5396.1	5507.4	5753.7	5861.6	5831.8	5756.5	5705.6	5708.3	5959.4	4101.9
47.5°	4997.7	5044.5	5252.9	5735.4	6141.3	6389.0	6351.0	6230.2	5861.0	5981.8	4081.5
50°	4113.4	4159.6	4538.2	5232.5	5937.7	6611.6	6768.3	6606.1	5761.2	5702.8	3871.8
52.5°	2987.5	2992.2	3237.9	4048.9	5112.4	6201.0	6570.2	6554.6	5609.2	5364.9	3585.4
55°	1419.1	1402.1	1678.3	2285.1	3535.9	5015.3	5637.7	5814.1	5393.4	5120.5	3363.5
57.5°	413.3	421.5	544.3	891.8	1768.6	3205.3	3860.9	4189.4	4426.9	4209.8	2608.8
60°	185.3	186.0	207.0	271.5	589.1	1491.0	1996.0	2402.5	2646.8	2452.7	1294.2
62.5°	134.4	135.1	143.2	153.4	200.2	504.9	748.6	997.6	1016.0	665.1	327.8
65°	112.0	112.0	113.3	113.3	120.1	180.5	227.4	293.2	247.0	183.2	128.3
67.5°	90.3	90.9	92.3	92.3	90.3	90.3	97.7	107.2	114.7	141.8	118.1
70°	70.6	69.9	69.9	70.6	68.5	58.4	63.1	71.9	78.7	110.6	102.5
72.5°	55.0	55.7	55.0	52.3	47.5	34.6	37.3	46.8	50.2	69.2	69.2
75°	41.4	42.1	39.4	29.9	19.7	10.9	14.3	23.1	29.2	33.9	25.1
77.5°	5.4	5.4	4.1	4.1	3.4	4.1	4.1	5.4	8.1	8.1	6.1
80°	0.7	0.7	0.7	1.4	2.0	2.7	2.7	2.7	2.7	3.4	3.4
82.5°	0.7	0.7	0.7	0.7	2.0	2.0	2.7	2.7	2.7	2.7	2.7
85°	0.0	0.0	0.0	0.7	1.4	2.0	2.0	2.7	2.7	2.7	2.7
87.5°	0.0	0.0	0.0	0.7	1.4	2.0	2.0	2.0	2.7	2.7	2.7
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: P632357

CATALOG NUMBER: GWS-SA2C-750-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2160.2	2160.2	2160.2	2160.2	2160.2	2160.2	2160.2	2160.2	2160.2	2160.2	2160.2
2.5°	2163.6	2124.2	2076.7	2044.1	1998.0	1967.5	1924.0	1894.8	1869.7	1850.0	1860.9
5°	2164.3	2101.8	2004.8	1922.0	1831.7	1748.9	1660.0	1590.1	1527.0	1498.5	1514.1
7.5°	2177.8	2088.3	1939.6	1792.4	1619.3	1448.3	1288.1	1157.8	1093.3	1062.8	1072.3
10°	2204.3	2082.2	1867.0	1622.7	1341.7	1108.3	952.8	864.6	828.7	809.6	813.0
12.5°	2228.7	2078.1	1772.7	1399.4	1058.7	859.9	779.1	766.9	774.4	775.0	774.4
15°	2262.0	2070.6	1655.9	1170.0	847.0	743.1	745.2	762.8	780.5	785.9	784.5
17.5°	2297.3	2059.1	1505.3	950.1	718.7	709.2	733.0	756.7	774.4	777.1	777.8
20°	2333.9	2035.3	1333.6	775.7	659.0	683.4	709.9	727.5	740.4	744.5	745.9
22.5°	2350.9	1985.1	1135.4	650.8	618.9	651.5	671.2	694.3	698.3	683.4	686.1
25°	2342.1	1900.3	942.0	566.7	578.9	611.5	640.7	629.1	612.2	601.3	604.7
27.5°	2314.3	1787.6	752.6	504.9	536.1	577.5	580.9	568.0	565.3	556.5	559.2
30°	2284.4	1658.0	605.4	455.4	492.7	536.1	526.0	530.7	531.4	521.2	524.6
32.5°	2266.1	1522.3	481.9	422.1	464.9	473.0	493.4	502.9	503.6	479.8	483.9
35°	2272.2	1388.6	407.9	395.0	439.1	437.1	465.6	471.0	431.6	399.1	402.4
37.5°	2321.7	1265.0	365.8	373.9	394.3	409.9	431.6	395.7	386.8	371.9	373.9
40°	2414.0	1159.8	340.7	361.1	363.8	388.9	355.6	360.4	361.1	351.5	353.6
42.5°	2521.9	1072.3	325.8	353.6	346.8	350.9	317.6	327.1	337.3	333.2	333.9
45°	2576.2	986.8	312.9	327.8	329.8	291.1	283.7	293.9	306.8	308.8	309.5
47.5°	2528.0	905.3	299.3	290.5	304.0	265.4	256.5	259.9	274.9	283.0	284.4
50°	2380.8	811.7	278.9	257.2	249.7	238.2	230.1	230.7	247.7	262.0	264.7
52.5°	2173.8	714.0	245.7	217.9	200.9	209.7	211.7	207.7	223.3	237.5	240.2
55°	1972.9	591.8	194.8	177.1	161.5	180.5	186.0	180.5	185.3	194.8	195.5
57.5°	1389.2	334.6	149.3	146.6	133.7	154.7	163.6	155.4	147.3	153.4	154.7
60°	644.1	175.1	114.7	114.7	111.3	133.0	147.9	136.4	120.8	123.5	125.6
62.5°	201.6	110.6	84.2	79.4	90.9	113.3	125.6	114.0	95.7	95.7	98.4
65°	114.0	95.0	66.5	61.1	74.0	90.9	98.4	86.2	69.9	68.5	68.5
67.5°	105.9	90.3	59.0	49.5	52.3	58.4	61.1	52.9	48.2	47.5	48.2
70°	87.5	75.3	47.5	33.9	31.9	31.2	32.6	30.5	29.2	29.9	31.9
72.5°	54.3	45.5	29.9	20.4	17.6	17.0	17.0	17.0	16.3	16.3	16.3
75°	19.7	17.0	13.6	10.2	8.8	8.1	8.1	8.8	8.1	7.5	6.8
77.5°	6.1	5.4	5.4	5.4	4.8	4.1	3.4	3.4	2.7	2.0	2.0
80°	3.4	3.4	3.4	3.4	2.7	2.7	2.0	1.4	0.7	0.7	0.0
82.5°	3.4	3.4	3.4	2.7	2.7	2.7	2.0	1.4	0.7	0.0	0.0
85°	2.7	2.7	2.7	2.7	2.7	2.7	2.0	1.4	0.7	0.0	0.0
87.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.0	1.4	0.7	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)