

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: P636057

Luminaire Tested: GWS-SA3F-722-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14190.5 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

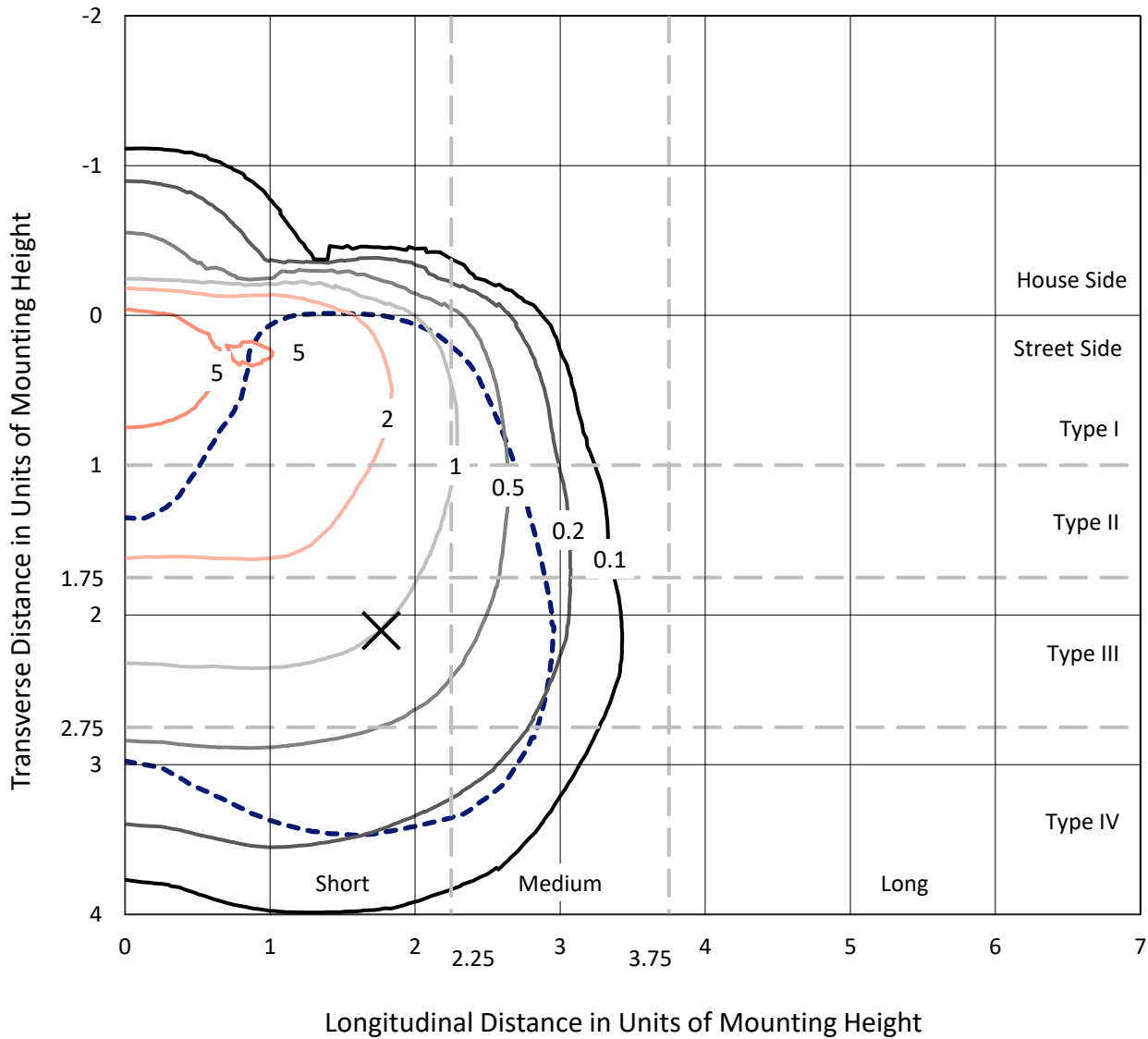
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636057
 CATALOG NUMBER: GWS-SA3F-722-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

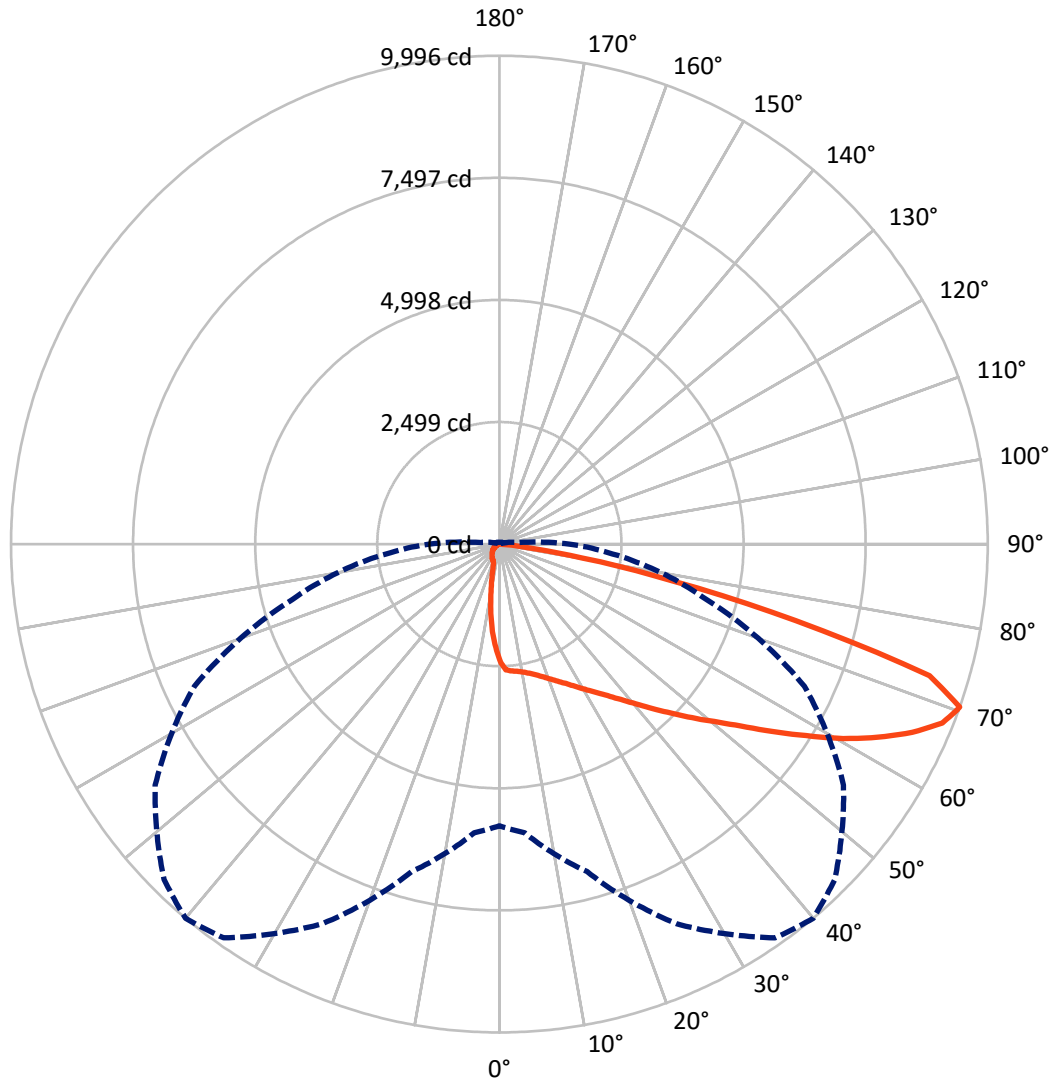
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P636057
CATALOG NUMBER: GWS-SA3F-722-U-SL4-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P636057
 CATALOG NUMBER: GWS-SA3F-722-U-SL4-W-HSS

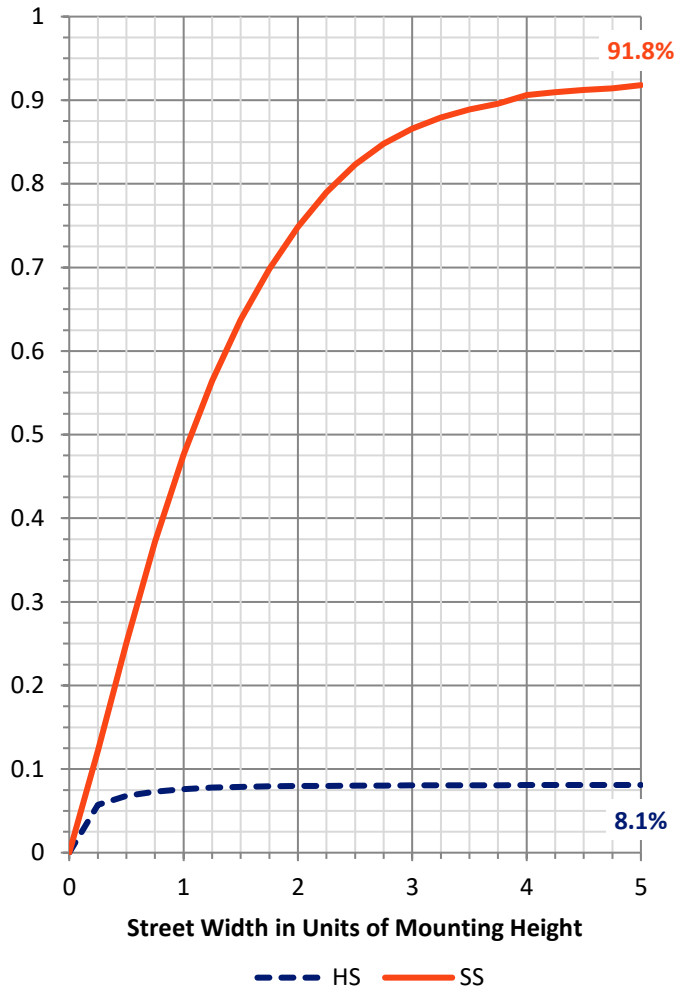
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1160.4	0.0	1160.4
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	13030.1	0.0	13030.1
	% Fixture	91.8	0.0	91.8
Total	Lumens	14190.5	0.0	14190.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.5	1.4
10°-20°	516.2	3.6
20°-30°	863.9	6.1
30°-40°	1356.9	9.6
40°-50°	2146.3	15.1
50°-60°	3130.8	22.1
60°-70°	3881.1	27.4
70°-80°	1963.6	13.8
80°-90°	128.2	0.9
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°	14190.5	100.0
0°-180°	14190.5	100.0

Coefficient of Utilization



REPORT NUMBER: P636057

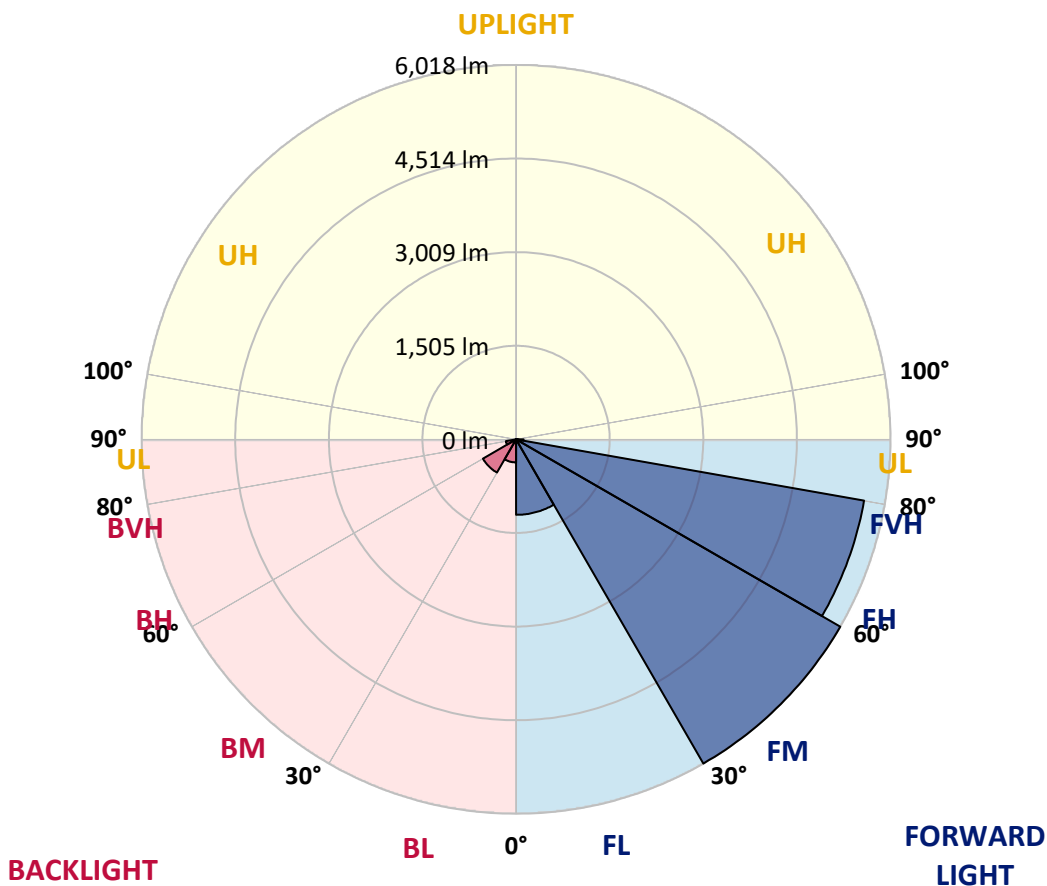
CATALOG NUMBER: GWS-SA3F-722-U-SL4-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1213.0	8.5			
FM (30°-60°)	6018.0	42.4			
FH (60°-80°)	5679.3	40.0			G3/7500
FVH (80°-90°)	119.7	0.8			G2/225
BL (0°-30°)	370.6	2.6	B1/500		
BM (30°-60°)	615.9	4.3	B1/1000		
BH (60°-80°)	165.5	1.2	B1/500		G1/500
BVH (80°-90°)	8.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





REPORT NUMBER: P636057

CATALOG NUMBER: GWS-SA3F-722-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2408.0	2408.0	2408.0	2408.0	2408.0	2408.0	2408.0	2408.0	2408.0	2408.0	2408.0
2.5°	2588.7	2597.8	2596.5	2600.3	2591.3	2577.1	2574.5	2555.1	2520.3	2476.4	2427.3
5°	2641.7	2652.0	2644.2	2640.4	2623.6	2608.1	2604.2	2583.6	2543.5	2484.1	2398.9
7.5°	2686.8	2689.4	2684.3	2675.2	2650.7	2630.0	2615.8	2587.4	2539.7	2480.3	2382.1
10°	2694.6	2693.3	2695.9	2697.2	2681.7	2663.6	2652.0	2613.2	2552.6	2489.3	2383.4
12.5°	2685.6	2685.6	2702.3	2721.7	2721.7	2712.7	2701.0	2666.2	2595.2	2520.3	2409.2
15°	2697.2	2701.0	2733.3	2769.5	2781.1	2772.1	2766.9	2730.7	2657.1	2574.5	2455.7
17.5°	2738.5	2742.4	2794.0	2848.2	2862.4	2852.1	2841.8	2805.6	2726.9	2636.5	2508.7
20°	2799.2	2809.5	2875.3	2945.1	2958.0	2945.1	2924.4	2874.1	2795.3	2703.6	2559.0
22.5°	2910.2	2916.7	2987.7	3061.3	3067.7	3047.1	3016.1	2946.4	2863.7	2774.6	2615.8
25°	3057.4	3066.4	3137.4	3208.5	3191.7	3160.7	3118.1	3039.3	2945.1	2858.6	2688.1
27.5°	3233.0	3243.3	3313.0	3375.0	3331.1	3295.0	3247.2	3149.1	3053.5	2974.8	2781.1
30°	3422.8	3431.8	3493.8	3549.3	3491.2	3448.6	3391.8	3291.1	3194.3	3134.9	2912.8
32.5°	3606.1	3604.8	3664.2	3709.4	3650.0	3616.5	3564.8	3462.8	3385.3	3359.5	3109.0
35°	3776.6	3776.6	3825.6	3870.8	3828.2	3810.1	3762.4	3681.0	3637.1	3668.1	3371.1
37.5°	3948.3	3939.2	3985.7	4036.1	4032.2	4033.5	4006.4	3967.6	3970.2	4080.0	3731.4
40°	4090.3	4086.4	4140.7	4206.5	4258.1	4299.5	4282.7	4296.9	4378.2	4583.5	4192.3
42.5°	4203.9	4213.0	4282.7	4387.3	4517.7	4601.6	4613.2	4671.3	4880.5	5198.1	4712.6
45°	4334.3	4335.6	4432.4	4592.5	4800.4	4933.4	4979.9	5129.7	5426.6	5835.9	5283.3
47.5°	4494.4	4478.9	4587.4	4812.0	5112.9	5309.1	5391.8	5579.0	6038.6	6458.2	5748.1
50°	4671.3	4642.9	4765.6	5071.6	5462.8	5708.1	5875.9	6149.7	6645.4	6969.5	6094.1
52.5°	4876.6	4849.5	4988.9	5369.8	5882.4	6180.6	6396.3	6672.6	7165.8	7359.4	6300.7
55°	5137.4	5110.3	5257.5	5727.5	6378.2	6765.5	6991.5	7223.9	7649.9	7647.4	6450.5
57.5°	5426.6	5389.2	5593.2	6179.3	6996.6	7399.5	7629.3	7742.9	8017.9	7870.7	6551.2
60°	5758.4	5724.9	6007.6	6717.8	7710.6	8083.8	8228.4	8181.9	8320.0	8002.4	6516.3
62.5°	6058.0	6042.5	6393.7	7288.4	8391.1	8706.1	8746.1	8543.4	8542.1	8005.0	6281.3
65°	6369.1	6398.8	6920.5	7945.6	9075.4	9287.1	9218.7	8902.3	8631.2	7688.7	5586.7
67.5°	6485.3	6571.9	7267.8	8539.5	9615.0	9780.3	9660.2	9081.8	8260.7	6624.8	4254.3
70°	5767.5	5930.2	6939.8	8573.1	9838.4	9995.9	9708.0	8598.9	6886.9	4388.6	2330.5
72.5°	4386.0	4575.8	5783.0	7019.9	8848.1	9207.0	8715.1	7005.7	4438.9	1922.5	782.4
75°	2454.4	2659.7	4307.2	5285.9	5940.5	6268.4	6087.7	4494.4	1966.4	502.2	233.7
77.5°	830.2	898.6	2003.8	3270.4	3921.2	3626.8	3070.3	2232.4	723.0	191.1	123.9
80°	491.9	517.7	746.3	1628.1	2063.2	1710.7	1350.5	825.0	368.0	102.0	86.5
82.5°	147.2	174.3	411.9	604.2	808.2	503.5	426.1	471.3	191.1	55.5	72.3
85°	0.0	0.0	87.8	187.2	211.7	82.6	82.6	267.3	34.9	23.2	52.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	6.5	3.9	5.2	11.6
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: P636057
 CATALOG NUMBER: GWS-SA3F-722-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2408.0	2408.0	2408.0	2408.0	2408.0	2408.0	2408.0	2408.0	2408.0	2408.0	2408.0
2.5°	2392.5	2347.3	2294.3	2244.0	2196.2	2134.2	2104.5	2068.4	2037.4	2020.6	2029.7
5°	2344.7	2273.7	2165.2	2055.5	1944.4	1839.9	1745.6	1682.3	1625.5	1595.8	1602.3
7.5°	2303.4	2207.8	2038.7	1859.2	1681.1	1501.6	1355.7	1242.1	1154.3	1118.1	1111.7
10°	2285.3	2165.2	1926.4	1668.1	1394.4	1153.0	946.4	821.2	732.1	688.2	695.9
12.5°	2294.3	2143.3	1830.8	1480.9	1125.9	844.4	646.9	529.4	466.1	440.3	433.8
15°	2320.2	2138.1	1745.6	1289.8	868.9	590.0	446.7	399.0	386.0	383.5	383.5
17.5°	2349.9	2139.4	1657.8	1096.2	659.8	437.7	382.2	373.1	369.3	366.7	368.0
20°	2379.6	2139.4	1557.1	899.9	495.8	378.3	364.1	357.6	353.8	352.5	352.5
22.5°	2415.7	2139.4	1444.8	717.9	397.7	358.9	347.3	343.4	339.6	338.3	337.0
25°	2459.6	2140.7	1320.8	561.6	361.5	342.1	333.1	329.2	325.4	322.8	322.8
27.5°	2522.9	2151.0	1184.0	437.7	340.9	326.7	318.9	315.0	311.2	307.3	307.3
30°	2614.5	2176.8	1030.3	361.5	321.5	309.9	302.1	299.5	295.7	291.8	290.5
32.5°	2751.4	2222.0	871.5	324.1	303.4	291.8	282.8	280.2	276.3	272.4	271.1
35°	2942.5	2304.7	716.6	300.8	280.2	268.6	263.4	262.1	256.9	253.1	253.1
37.5°	3222.7	2438.9	568.1	277.6	260.8	251.8	245.3	242.7	237.6	233.7	232.4
40°	3564.8	2613.2	441.6	259.5	242.7	233.7	227.2	223.4	216.9	211.7	209.2
42.5°	4001.2	2826.3	348.6	240.2	225.9	216.9	211.7	204.0	195.0	187.2	185.9
45°	4455.7	3045.8	287.9	222.1	210.5	202.7	196.3	185.9	173.0	164.0	161.4
47.5°	4804.3	3182.6	251.8	202.7	193.7	187.2	179.5	166.6	151.1	140.7	138.2
50°	5053.5	3203.3	224.7	184.6	179.5	173.0	161.4	145.9	129.1	118.8	116.2
52.5°	5176.1	3110.3	202.7	167.8	164.0	157.5	143.3	126.5	108.5	98.1	95.5
55°	5231.7	2934.7	182.0	153.6	148.5	140.7	125.2	107.2	89.1	80.1	77.5
57.5°	5209.7	2675.2	164.0	139.4	133.0	123.9	107.2	87.8	73.6	64.6	63.3
60°	5047.0	2311.1	145.9	125.2	117.5	107.2	90.4	72.3	59.4	52.9	51.6
62.5°	4695.8	1859.2	127.8	108.5	103.3	93.0	77.5	59.4	49.1	45.2	43.9
65°	3976.7	1314.4	109.7	91.7	89.1	78.8	64.6	49.1	42.6	40.0	38.7
67.5°	2858.6	799.2	93.0	78.8	76.2	67.1	54.2	42.6	38.7	37.4	37.4
70°	1437.0	378.3	73.6	64.6	64.6	55.5	46.5	38.7	37.4	36.2	36.2
72.5°	488.0	161.4	55.5	50.4	52.9	47.8	40.0	36.2	36.2	36.2	36.2
75°	166.6	85.2	38.7	36.2	38.7	38.7	34.9	34.9	36.2	36.2	36.2
77.5°	108.5	56.8	27.1	24.5	29.7	29.7	29.7	32.3	34.9	34.9	34.9
80°	89.1	31.0	18.1	16.8	21.9	21.9	24.5	29.7	32.3	32.3	32.3
82.5°	76.2	19.4	10.3	11.6	15.5	16.8	20.7	24.5	28.4	29.7	29.7
85°	51.6	10.3	7.7	9.0	10.3	12.9	16.8	20.7	23.2	25.8	25.8
87.5°	14.2	3.9	5.2	6.5	6.5	9.0	12.9	15.5	18.1	19.4	19.4
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)