

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: P639822

Luminaire Tested: GWS-SA5C-750-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-750-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19068.2 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

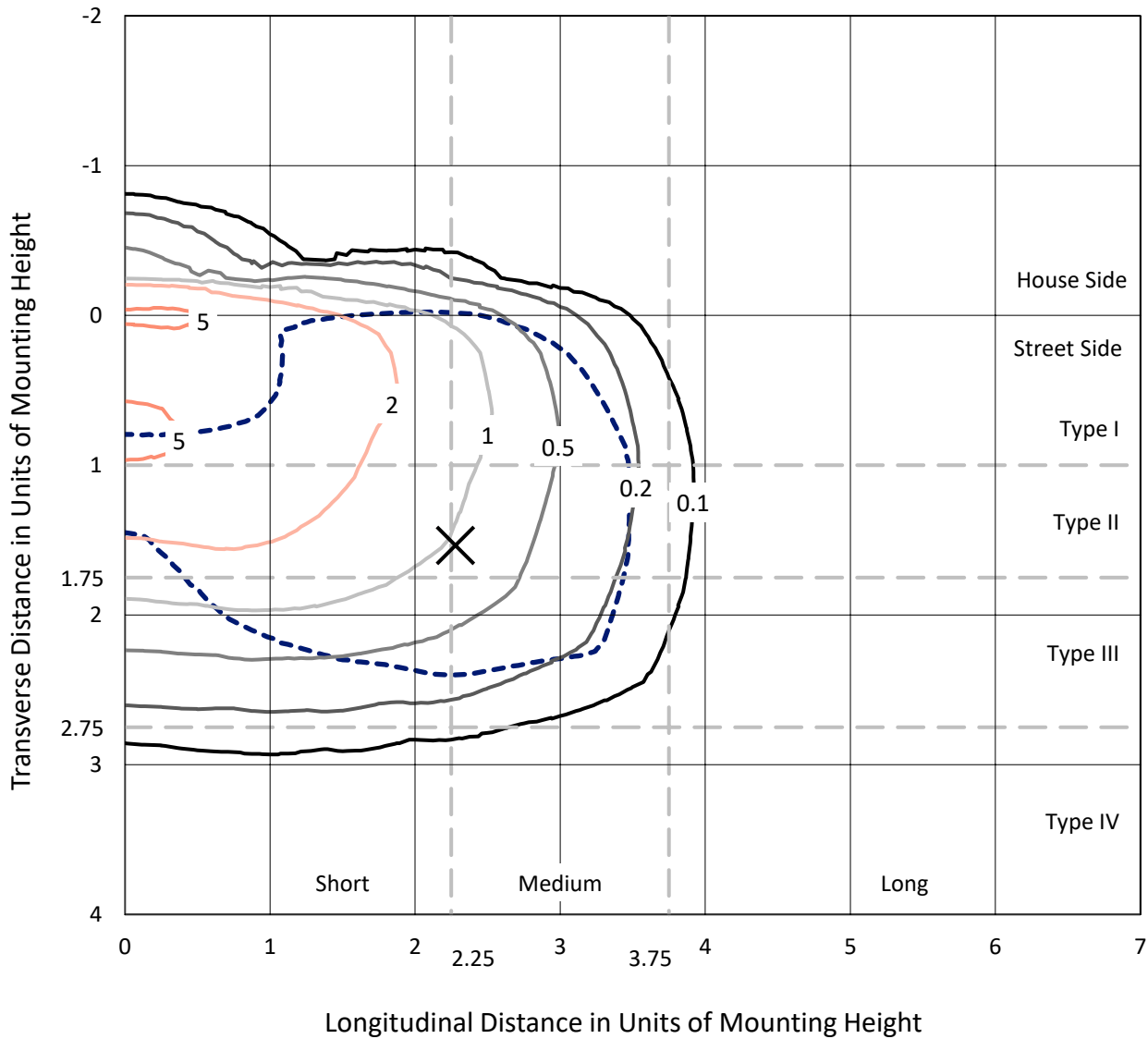
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639822
 CATALOG NUMBER: GWS-SA5C-750-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

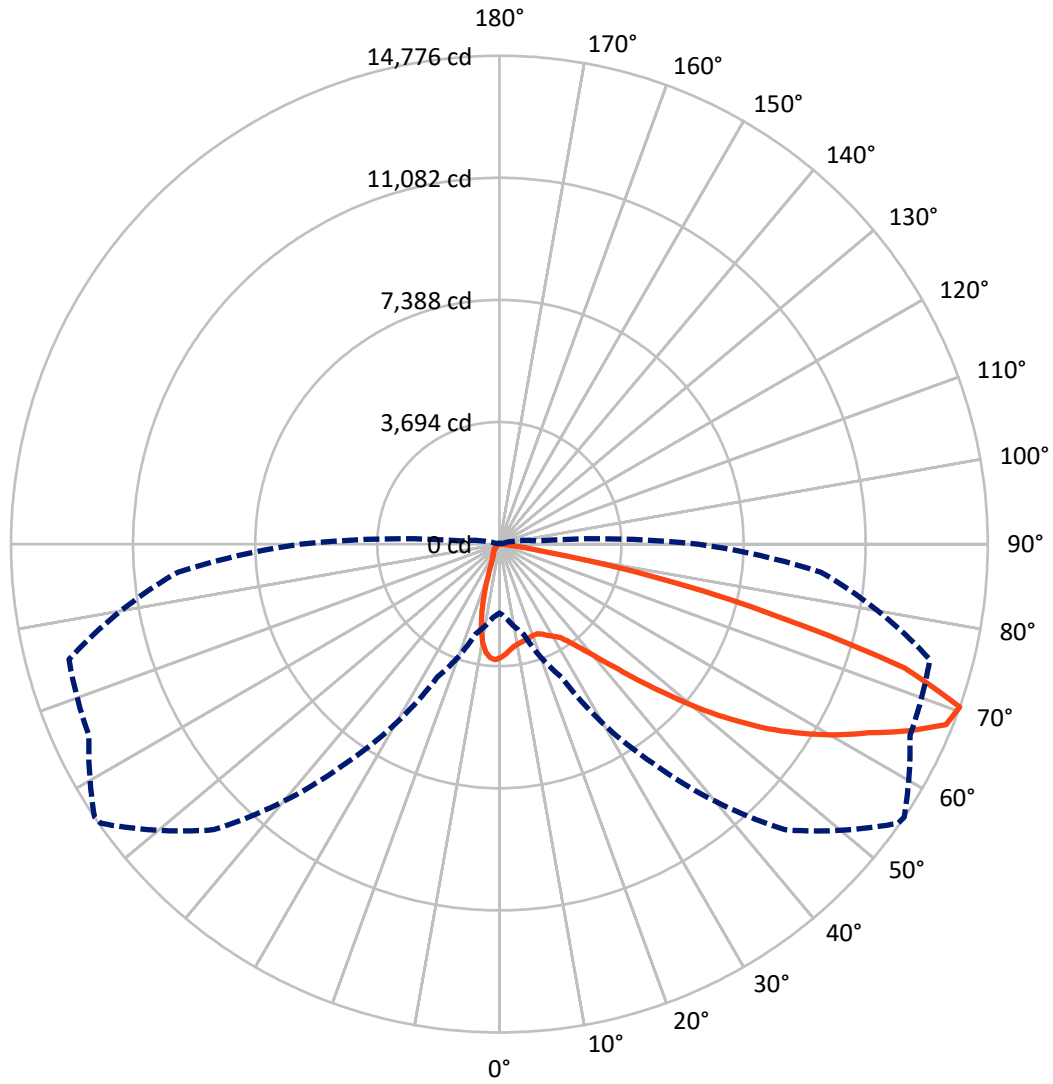
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P639822
CATALOG NUMBER: GWS-SA5C-750-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P639822
 CATALOG NUMBER: GWS-SA5C-750-U-T3R-W-HSS

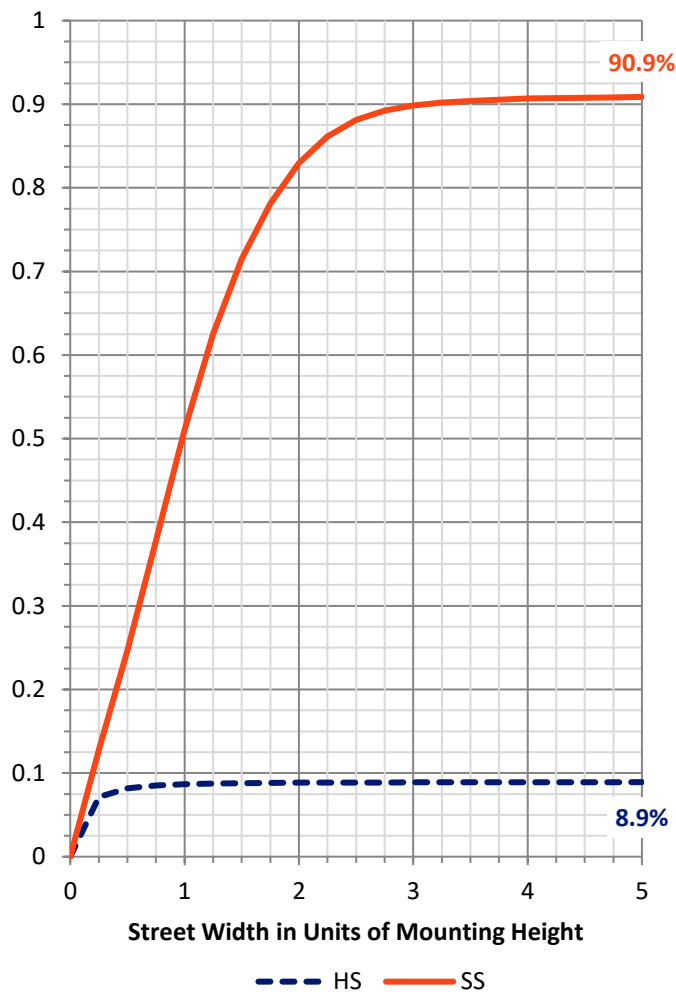
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1712.7	0.0	1712.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	17355.5	0.0	17355.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	19068.2	0.0	19068.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.2	1.5
10°-20°	663.9	3.5
20°-30°	1051.7	5.5
30°-40°	1813.6	9.5
40°-50°	3062.6	16.1
50°-60°	4499.9	23.6
60°-70°	5334.9	28.0
70°-80°	2275.0	11.9
80°-90°	71.4	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°	19068.2	100.0
0°-180°	19068.2	100.0

Coefficient of Utilization



REPORT NUMBER: P639822

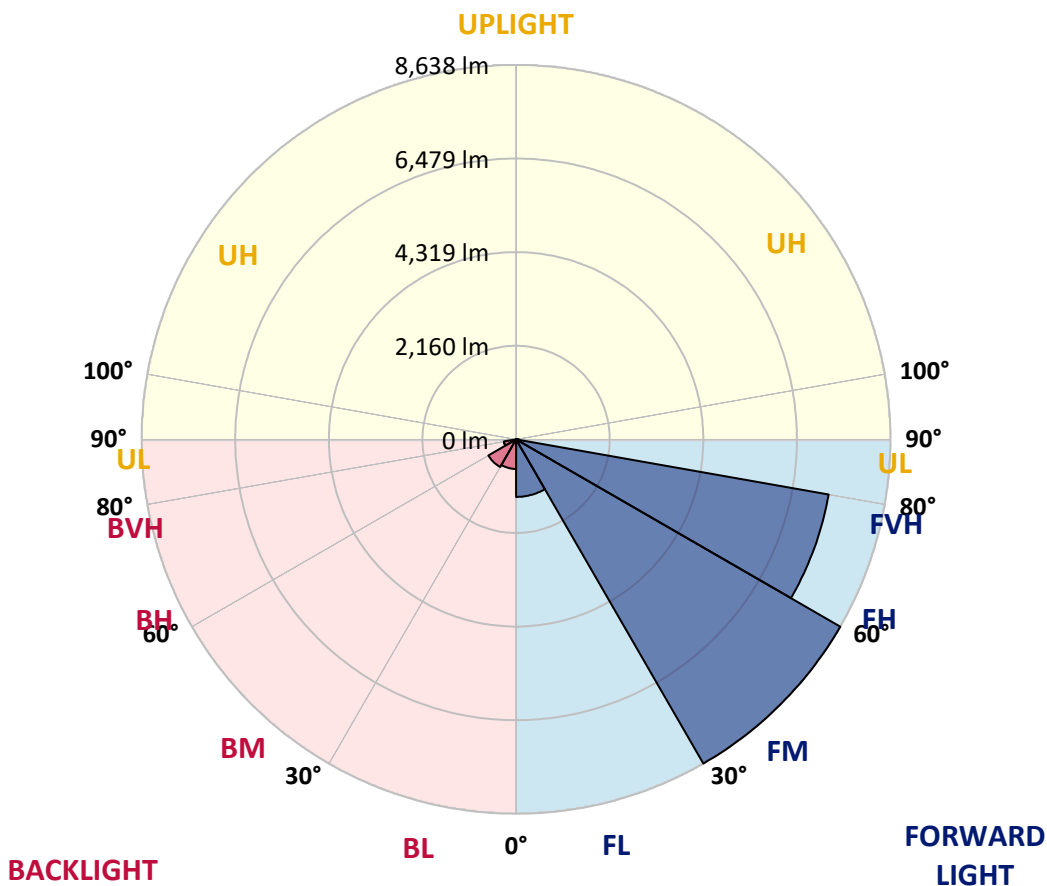
CATALOG NUMBER: GWS-SA5C-750-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1328.7	7.0			
FM (30°-60°)	8638.4	45.3			
FH (60°-80°)	7324.2	38.4			G3/7500
FVH (80°-90°)	64.2	0.3			G1/100
BL (0°-30°)	682.1	3.6	B2/1000		
BM (30°-60°)	737.7	3.9	B1/1000		
BH (60°-80°)	285.7	1.5	B1/500		G1/500
BVH (80°-90°)	7.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





REPORT NUMBER: P639822

CATALOG NUMBER: GWS-SA5C-750-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3438.2	3438.2	3438.2	3438.2	3438.2	3438.2	3438.2	3438.2	3438.2	3438.2	3438.2
2.5°	3200.7	3195.5	3199.0	3225.2	3274.0	3296.7	3335.2	3342.1	3373.6	3413.7	3429.5
5°	2992.9	2975.5	2984.2	3020.9	3076.7	3139.6	3211.2	3230.4	3309.0	3398.0	3464.4
7.5°	2802.6	2783.4	2804.3	2862.0	2940.5	3008.6	3115.1	3127.4	3253.1	3410.2	3530.7
10°	2504.0	2509.2	2551.1	2652.4	2772.9	2914.3	3057.5	3075.0	3230.4	3450.4	3637.3
12.5°	2275.2	2263.0	2308.4	2423.7	2593.0	2799.1	3013.9	3036.6	3232.1	3511.5	3773.5
15°	2168.7	2165.2	2184.4	2268.3	2432.4	2675.1	2973.7	3003.4	3254.8	3567.4	3902.7
17.5°	2172.2	2167.0	2165.2	2214.1	2336.4	2582.6	2930.1	2968.5	3274.0	3628.5	4038.9
20°	2324.1	2299.7	2256.0	2233.3	2306.7	2523.2	2900.4	2944.0	3302.0	3693.1	4183.8
22.5°	2641.9	2650.7	2533.7	2411.4	2376.5	2530.2	2896.9	2947.5	3363.1	3794.4	4361.9
25°	3277.5	3263.6	3047.0	2772.9	2582.6	2610.5	2958.0	3019.1	3483.6	3939.3	4529.5
27.5°	4073.8	4086.0	3789.2	3352.6	2954.5	2776.4	3069.7	3130.9	3623.3	4030.1	4641.3
30°	4941.6	4929.4	4611.6	4127.9	3481.8	3052.3	3181.5	3235.6	3693.1	4079.0	4756.5
32.5°	5762.3	5734.4	5420.1	4913.7	4154.1	3487.1	3335.2	3366.6	3785.7	4185.5	4911.9
35°	6462.5	6460.8	6186.6	5647.1	4845.6	4031.9	3598.8	3625.0	3958.5	4354.9	5140.7
37.5°	7185.4	7161.0	6853.7	6361.3	5556.3	4629.1	4002.2	3991.7	4230.9	4604.6	5421.8
40°	7779.1	7763.4	7527.7	7054.5	6294.9	5289.1	4491.1	4459.7	4554.0	4950.4	5813.0
42.5°	8219.2	8220.9	8147.6	7859.5	7077.2	6052.2	5105.8	5056.9	5055.1	5472.5	6329.8
45°	8552.7	8575.4	8685.4	8641.7	8000.9	6941.0	5893.3	5842.7	5757.1	6150.0	6921.8
47.5°	8708.1	8737.8	9069.6	9244.2	8809.4	7822.8	6831.0	6724.5	6556.8	7051.0	7583.6
50°	8692.4	8744.8	9207.5	9738.3	9542.8	8716.8	7852.5	7801.8	7527.7	8004.4	8238.4
52.5°	8336.2	8447.9	9216.2	10038.7	10106.8	9541.0	8908.9	8814.6	8681.9	8999.7	8853.0
55°	7368.8	7505.0	8847.8	10134.7	10546.8	10260.4	9942.6	9865.8	9645.8	9939.1	9389.1
57.5°	6843.2	6960.2	8072.5	10087.6	10920.5	10925.7	10862.9	10800.0	10618.4	10868.1	10017.7
60°	6527.1	6644.1	7658.7	9914.7	11259.2	11627.7	11727.2	11720.2	11458.3	11924.5	10754.6
62.5°	6064.4	6225.1	7227.4	9465.9	11500.2	12319.2	12619.5	12572.3	12280.7	13024.6	11484.5
65°	5130.2	5269.9	6343.8	8725.6	11358.8	12891.9	13586.9	13611.3	13274.3	14060.1	12060.7
67.5°	3597.1	3700.1	4767.0	7171.5	10398.4	13080.5	14576.9	14575.2	14000.7	14590.9	11805.8
70°	2084.9	2226.4	2816.6	4433.5	8090.0	12223.1	14725.4	14776.0	13705.6	13482.1	9769.8
72.5°	806.7	923.7	1596.0	2355.6	4218.7	9362.9	12666.6	12815.1	11470.5	10400.1	6799.5
75°	241.0	268.9	750.8	1253.7	1693.8	4522.6	8575.4	8617.3	7868.2	6487.0	3485.3
77.5°	179.9	199.1	328.3	633.9	593.7	1370.7	4437.0	4845.6	4176.8	2317.2	960.4
80°	122.2	144.9	234.0	309.1	220.0	364.9	1246.8	1369.0	1274.7	520.4	241.0
82.5°	54.1	69.8	165.9	155.4	80.3	104.8	384.2	408.6	263.7	157.2	83.8
85°	5.2	7.0	62.9	68.1	29.7	24.4	80.3	80.3	57.6	54.1	34.9
87.5°	0.0	0.0	1.7	3.5	3.5	5.2	7.0	8.7	10.5	14.0	17.5
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: P639822
 CATALOG NUMBER: GWS-SA5C-750-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3438.2	3438.2	3438.2	3438.2	3438.2	3438.2	3438.2	3438.2	3438.2	3438.2	3438.2
2.5°	3469.6	3448.7	3474.9	3495.8	3501.1	3462.6	3439.9	3406.8	3399.8	3401.5	3392.8
5°	3516.8	3506.3	3525.5	3502.8	3443.4	3331.7	3235.6	3129.1	3071.5	3038.3	3034.8
7.5°	3604.1	3598.8	3577.9	3474.9	3289.8	3041.8	2802.6	2568.6	2423.7	2371.3	2362.6
10°	3733.3	3722.8	3637.3	3392.8	2998.2	2521.5	2119.8	1784.6	1580.3	1520.9	1447.6
12.5°	3881.7	3860.8	3673.9	3216.4	2558.1	1898.1	1396.9	1021.5	845.1	792.8	792.8
15°	4024.9	3979.5	3653.0	2924.8	2016.8	1234.5	780.5	590.2	536.1	522.1	522.1
17.5°	4171.6	4084.3	3570.9	2526.7	1393.4	729.9	520.4	483.7	476.7	478.4	480.2
20°	4309.5	4173.3	3426.0	2048.2	888.8	509.9	466.2	457.5	454.0	457.5	455.7
22.5°	4459.7	4255.4	3205.9	1526.1	578.0	459.2	443.5	436.5	433.0	438.3	438.3
25°	4608.1	4314.8	2914.3	1026.7	459.2	427.8	419.1	412.1	408.6	410.3	410.3
27.5°	4684.9	4292.1	2531.9	654.8	412.1	396.4	387.6	378.9	373.7	371.9	373.7
30°	4737.3	4222.2	2064.0	466.2	373.7	354.5	345.7	338.8	324.8	316.1	319.5
32.5°	4819.4	4152.4	1555.8	391.1	342.2	312.6	298.6	281.1	261.9	253.2	253.2
35°	4917.2	4056.3	1091.3	352.7	309.1	277.6	251.4	221.8	199.1	192.1	192.1
37.5°	5046.4	3965.5	726.4	326.5	281.1	248.0	211.3	176.4	151.9	148.4	146.7
40°	5240.2	3888.7	511.6	307.3	256.7	216.5	172.9	136.2	118.7	113.5	113.5
42.5°	5491.7	3810.1	405.1	288.1	235.7	186.8	137.9	108.3	94.3	90.8	89.1
45°	5802.5	3717.6	352.7	270.7	214.8	155.4	110.0	90.8	80.3	76.8	76.8
47.5°	6139.5	3591.9	328.3	248.0	190.3	125.7	92.5	78.6	73.3	71.6	69.8
50°	6471.3	3422.5	307.3	227.0	162.4	103.0	80.3	71.6	68.1	66.4	66.4
52.5°	6761.1	3225.2	281.1	202.6	132.7	89.1	71.6	66.4	62.9	59.4	57.6
55°	7009.1	3010.4	248.0	174.6	108.3	78.6	66.4	61.1	57.6	54.1	52.4
57.5°	7328.6	2888.1	199.1	141.4	89.1	69.8	61.1	55.9	52.4	47.1	47.1
60°	7683.1	2799.1	148.4	111.8	76.8	64.6	55.9	50.6	47.1	41.9	41.9
62.5°	7967.7	2666.4	117.0	90.8	66.4	57.6	50.6	45.4	41.9	36.7	36.7
65°	8076.0	2392.2	96.0	71.6	54.1	50.6	45.4	41.9	36.7	31.4	31.4
67.5°	7587.1	1843.9	80.3	57.6	45.4	43.7	40.2	38.4	31.4	27.9	26.2
70°	6008.5	1124.5	66.4	47.1	38.4	36.7	36.7	33.2	27.9	26.2	24.4
72.5°	4117.4	579.7	54.1	38.4	33.2	33.2	31.4	29.7	26.2	24.4	24.4
75°	2139.0	193.8	41.9	29.7	26.2	27.9	27.9	26.2	24.4	24.4	22.7
77.5°	612.9	87.3	31.4	22.7	21.0	21.0	22.7	22.7	22.7	21.0	21.0
80°	158.9	50.6	22.7	17.5	17.5	17.5	17.5	19.2	21.0	19.2	19.2
82.5°	64.6	27.9	15.7	14.0	14.0	14.0	14.0	15.7	17.5	17.5	17.5
85°	40.2	14.0	12.2	12.2	12.2	10.5	10.5	12.2	12.2	14.0	14.0
87.5°	24.4	10.5	10.5	10.5	10.5	8.7	8.7	8.7	8.7	8.7	8.7
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)