

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: P635892

Luminaire Tested: GWS-SA3E-760-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635892
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-SA3E-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17481.6 lumens
Efficiency: N/A
Efficacy: 109.8 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

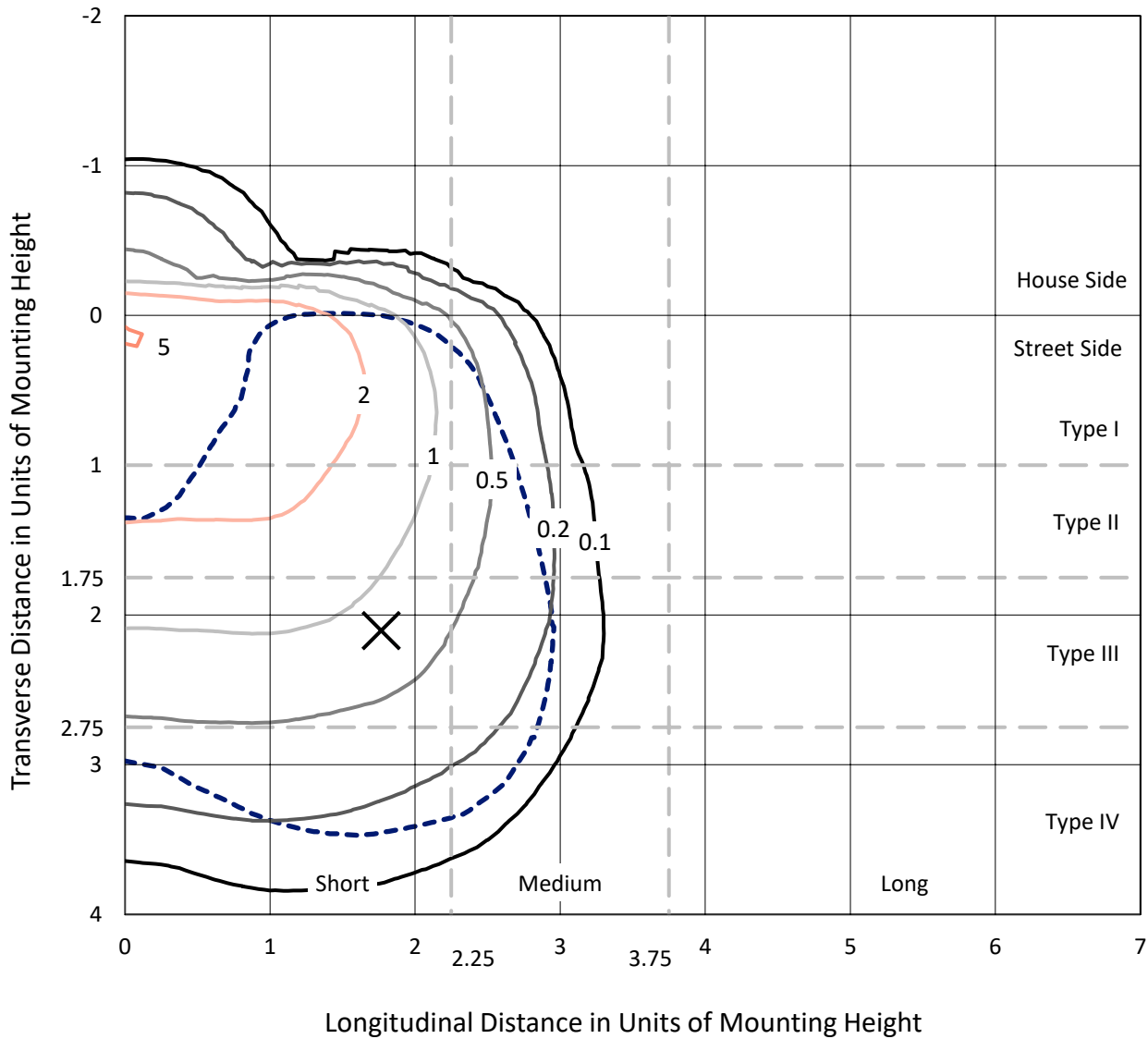
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635892
 CATALOG NUMBER: GWS-SA3E-760-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

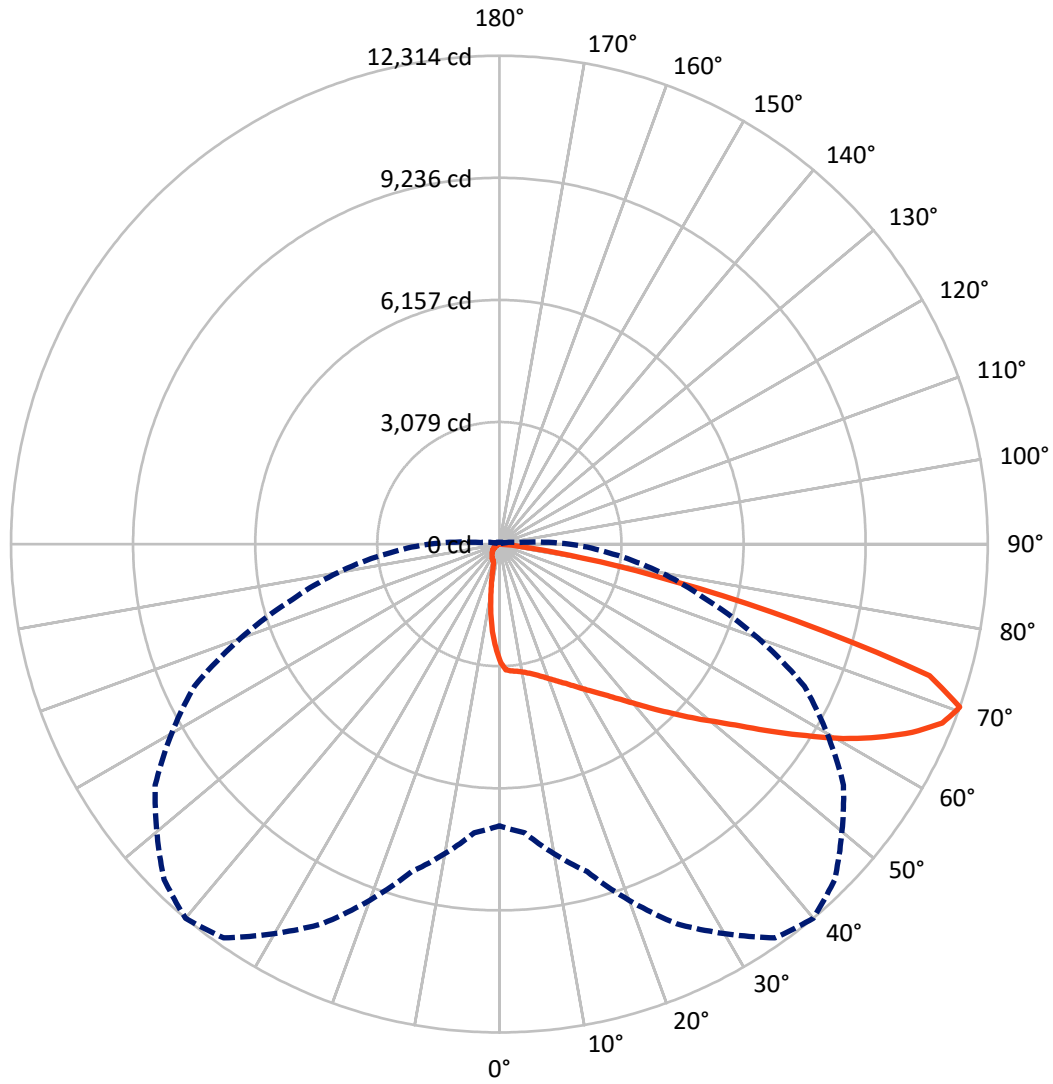
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P635892
CATALOG NUMBER: GWS-SA3E-760-U-SL4-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635892
 CATALOG NUMBER: GWS-SA3E-760-U-SL4-W-HSS

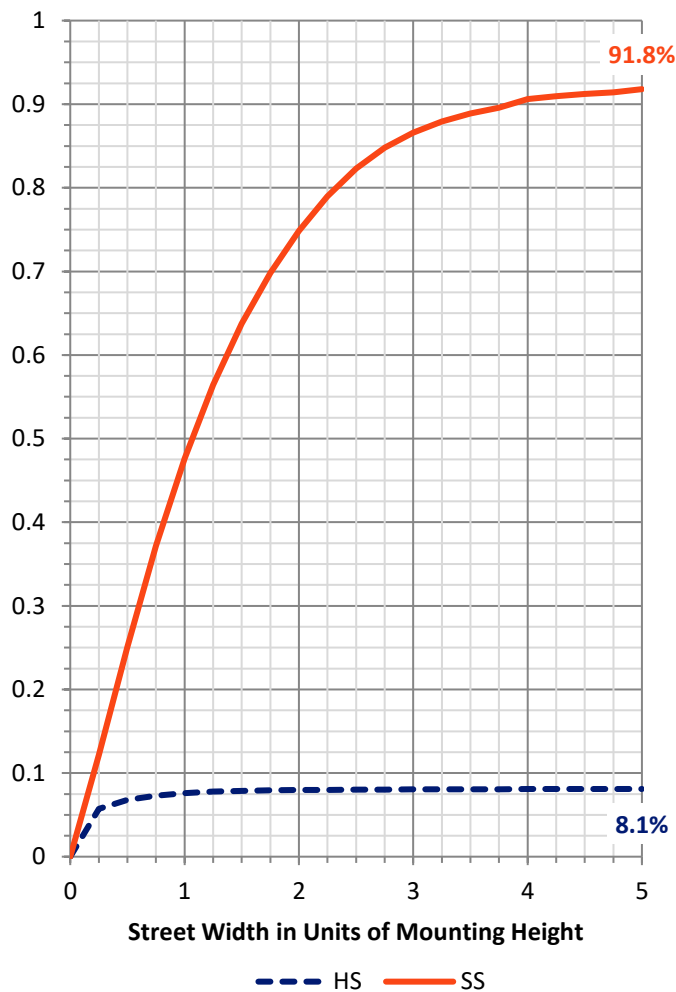
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1429.5	0.0	1429.5
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	16052.1	0.0	16052.1
	% Fixture	91.8	0.0	91.8
Total	Lumens	17481.6	0.0	17481.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.7	1.4
10°-20°	635.9	3.6
20°-30°	1064.3	6.1
30°-40°	1671.6	9.6
40°-50°	2644.0	15.1
50°-60°	3857.0	22.1
60°-70°	4781.2	27.4
70°-80°	2419.0	13.8
80°-90°	157.9	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°	17481.6	100.0
0°-180°	17481.6	100.0

Coefficient of Utilization



REPORT NUMBER: P635892

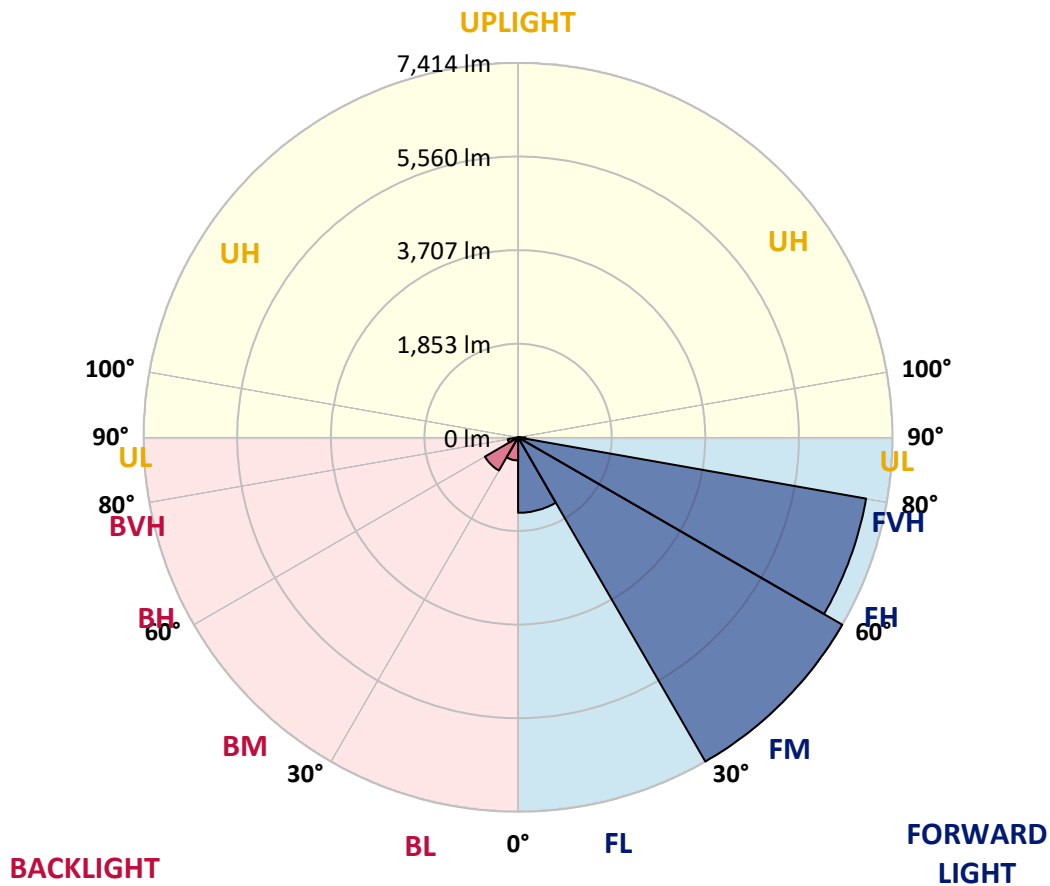
CATALOG NUMBER: GWS-SA3E-760-U-SL4-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1494.4	8.5			
FM (30°-60°)	7413.7	42.4			
FH (60°-80°)	6996.4	40.0			G3/7500
FVH (80°-90°)	147.5	0.8			G2/225
BL (0°-30°)	456.5	2.6	B1/500		
BM (30°-60°)	758.8	4.3	B1/1000		
BH (60°-80°)	203.8	1.2	B1/500		G1/500
BVH (80°-90°)	10.4	0.1			G1/100
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: P635892

CATALOG NUMBER: GWS-SA3E-760-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4
2.5°	3189.1	3200.2	3198.6	3203.4	3192.3	3174.8	3171.6	3147.7	3104.8	3050.7	2990.3
5°	3254.3	3267.0	3257.5	3252.7	3232.0	3213.0	3208.2	3182.7	3133.4	3060.3	2955.3
7.5°	3310.0	3313.2	3306.8	3295.7	3265.4	3240.0	3222.5	3187.5	3128.7	3055.5	2934.6
10°	3319.5	3317.9	3321.1	3322.7	3303.6	3281.4	3267.0	3219.3	3144.6	3066.6	2936.2
12.5°	3308.4	3308.4	3329.1	3352.9	3352.9	3341.8	3327.5	3284.5	3197.1	3104.8	2968.0
15°	3322.7	3327.5	3367.2	3411.8	3426.1	3415.0	3408.6	3364.1	3273.4	3171.6	3025.3
17.5°	3373.6	3378.4	3442.0	3508.8	3526.3	3513.6	3500.9	3456.3	3359.3	3247.9	3090.5
20°	3448.4	3461.1	3542.2	3628.1	3644.0	3628.1	3602.6	3540.6	3443.6	3330.7	3152.5
22.5°	3585.2	3593.1	3680.6	3771.2	3779.2	3753.8	3715.6	3629.7	3527.9	3418.1	3222.5
25°	3766.5	3777.6	3865.1	3952.6	3931.9	3893.7	3841.2	3744.2	3628.1	3521.5	3311.6
27.5°	3982.8	3995.5	4081.4	4157.8	4103.7	4059.1	4000.3	3879.4	3761.7	3664.7	3426.1
30°	4216.6	4227.7	4304.1	4372.5	4300.9	4248.4	4178.4	4054.4	3935.1	3861.9	3588.3
32.5°	4442.5	4440.9	4514.0	4569.7	4496.5	4455.2	4391.6	4265.9	4170.5	4138.7	3830.1
35°	4652.4	4652.4	4712.9	4768.5	4716.0	4693.8	4634.9	4534.7	4480.6	4518.8	4153.0
37.5°	4864.0	4852.8	4910.1	4972.1	4967.4	4968.9	4935.5	4887.8	4891.0	5026.2	4596.8
40°	5038.9	5034.2	5101.0	5182.1	5245.7	5296.6	5275.9	5293.4	5393.6	5646.5	5164.6
42.5°	5178.9	5190.0	5275.9	5404.8	5565.4	5668.8	5683.1	5754.7	6012.4	6403.6	5805.6
45°	5339.6	5341.1	5460.4	5657.7	5913.7	6077.6	6134.8	6319.3	6685.2	7189.4	6508.6
47.5°	5536.8	5517.7	5651.3	5928.1	6298.7	6540.4	6642.2	6872.9	7439.1	7956.0	7081.2
50°	5754.7	5719.7	5870.8	6247.8	6729.7	7031.9	7238.7	7575.9	8186.7	8585.9	7507.5
52.5°	6007.6	5974.2	6146.0	6615.2	7246.6	7614.1	7879.7	8220.1	8827.7	9066.3	7762.0
55°	6328.9	6295.5	6476.8	7055.8	7857.4	8334.6	8613.0	8899.3	9424.1	9421.0	7946.5
57.5°	6685.2	6639.1	6890.4	7612.5	8619.3	9115.6	9398.7	9538.7	9877.5	9696.1	8070.6
60°	7094.0	7052.6	7400.9	8275.7	9498.9	9958.6	10136.7	10079.5	10249.7	9858.4	8027.6
62.5°	7463.0	7443.9	7876.5	8978.8	10337.1	10725.2	10774.5	10524.8	10523.2	9861.6	7738.1
65°	7846.3	7882.9	8525.5	9788.4	11180.1	11441.0	11356.7	10967.0	10633.0	9471.9	6882.4
67.5°	7989.4	8096.0	8953.3	10520.0	11845.0	12048.6	11900.7	11188.1	10176.5	8161.2	5240.9
70°	7105.1	7305.5	8549.3	10561.4	12120.2	12314.2	11959.5	10593.2	8484.1	5406.4	2871.0
72.5°	5403.2	5637.0	7124.2	8647.9	10900.2	11342.4	10736.4	8630.4	5468.4	2368.4	963.9
75°	3023.7	3276.6	5306.2	6511.8	7318.2	7722.2	7499.5	5536.8	2422.4	618.7	287.9
77.5°	1022.7	1107.0	2468.6	4028.9	4830.6	4467.9	3782.4	2750.1	890.7	235.4	152.7
80°	606.0	637.8	919.4	2005.7	2541.7	2107.5	1663.7	1016.4	453.3	125.7	106.6
82.5°	181.3	214.7	507.4	744.4	995.7	620.3	524.9	580.6	235.4	68.4	89.1
85°	0.0	0.0	108.2	230.6	260.9	101.8	101.8	329.2	42.9	28.6	65.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.0	4.8	6.4	14.3
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: P635892
 CATALOG NUMBER: GWS-SA3E-760-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4
2.5°	2947.3	2891.7	2826.4	2764.4	2705.6	2629.2	2592.6	2548.1	2509.9	2489.2	2500.4
5°	2888.5	2801.0	2667.4	2532.2	2395.4	2266.6	2150.5	2072.5	2002.5	1965.9	1973.9
7.5°	2837.6	2719.9	2511.5	2290.4	2070.9	1849.8	1670.1	1530.1	1422.0	1377.4	1369.5
10°	2815.3	2667.4	2373.1	2055.0	1717.8	1420.4	1165.9	1011.6	901.9	847.8	857.3
12.5°	2826.4	2640.4	2255.4	1824.4	1387.0	1040.2	796.9	652.1	574.2	542.4	534.4
15°	2858.3	2634.0	2150.5	1589.0	1070.5	726.9	550.3	491.5	475.6	472.4	472.4
17.5°	2894.8	2635.6	2042.3	1350.4	812.8	539.2	470.8	459.7	454.9	451.7	453.3
20°	2931.4	2635.6	1918.2	1108.6	610.8	466.0	448.5	440.6	435.8	434.2	434.2
22.5°	2976.0	2635.6	1779.9	884.4	489.9	442.2	427.9	423.1	418.3	416.7	415.1
25°	3030.0	2637.2	1627.2	691.9	445.4	421.5	410.4	405.6	400.8	397.6	397.6
27.5°	3108.0	2649.9	1458.6	539.2	419.9	402.4	392.9	388.1	383.3	378.6	378.6
30°	3220.9	2681.7	1269.3	445.4	396.1	381.7	372.2	369.0	364.2	359.5	357.9
32.5°	3389.5	2737.4	1073.6	399.2	373.8	359.5	348.3	345.2	340.4	335.6	334.0
35°	3624.9	2839.2	882.8	370.6	345.2	330.8	324.5	322.9	316.5	311.8	311.8
37.5°	3970.1	3004.6	699.9	342.0	321.3	310.2	302.2	299.0	292.7	287.9	286.3
40°	4391.6	3219.3	544.0	319.7	299.0	287.9	279.9	275.2	267.2	260.9	257.7
42.5°	4929.2	3481.8	429.5	295.8	278.4	267.2	260.9	251.3	240.2	230.6	229.0
45°	5489.1	3752.2	354.7	273.6	259.3	249.7	241.8	229.0	213.1	202.0	198.8
47.5°	5918.5	3920.8	310.2	249.7	238.6	230.6	221.1	205.2	186.1	173.4	170.2
50°	6225.5	3946.2	276.8	227.5	221.1	213.1	198.8	179.7	159.1	146.3	143.2
52.5°	6376.6	3831.7	249.7	206.8	202.0	194.0	176.6	155.9	133.6	120.9	117.7
55°	6445.0	3615.4	224.3	189.3	182.9	173.4	154.3	132.0	109.7	98.6	95.4
57.5°	6418.0	3295.7	202.0	171.8	163.8	152.7	132.0	108.2	90.7	79.5	77.9
60°	6217.5	2847.1	179.7	154.3	144.7	132.0	111.3	89.1	73.2	65.2	63.6
62.5°	5784.9	2290.4	157.5	133.6	127.2	114.5	95.4	73.2	60.4	55.7	54.1
65°	4899.0	1619.2	135.2	112.9	109.7	97.0	79.5	60.4	52.5	49.3	47.7
67.5°	3521.5	984.6	114.5	97.0	93.8	82.7	66.8	52.5	47.7	46.1	46.1
70°	1770.3	466.0	90.7	79.5	79.5	68.4	57.3	47.7	46.1	44.5	44.5
72.5°	601.2	198.8	68.4	62.0	65.2	58.9	49.3	44.5	44.5	44.5	44.5
75°	205.2	105.0	47.7	44.5	47.7	47.7	42.9	42.9	44.5	44.5	44.5
77.5°	133.6	70.0	33.4	30.2	36.6	36.6	36.6	39.8	42.9	42.9	42.9
80°	109.7	38.2	22.3	20.7	27.0	27.0	30.2	36.6	39.8	39.8	39.8
82.5°	93.8	23.9	12.7	14.3	19.1	20.7	25.4	30.2	35.0	36.6	36.6
85°	63.6	12.7	9.5	11.1	12.7	15.9	20.7	25.4	28.6	31.8	31.8
87.5°	17.5	4.8	6.4	8.0	8.0	11.1	15.9	19.1	22.3	23.9	23.9
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)