

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: P639014

Luminaire Tested: GWS-SA5B-722-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-722-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10967.9 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

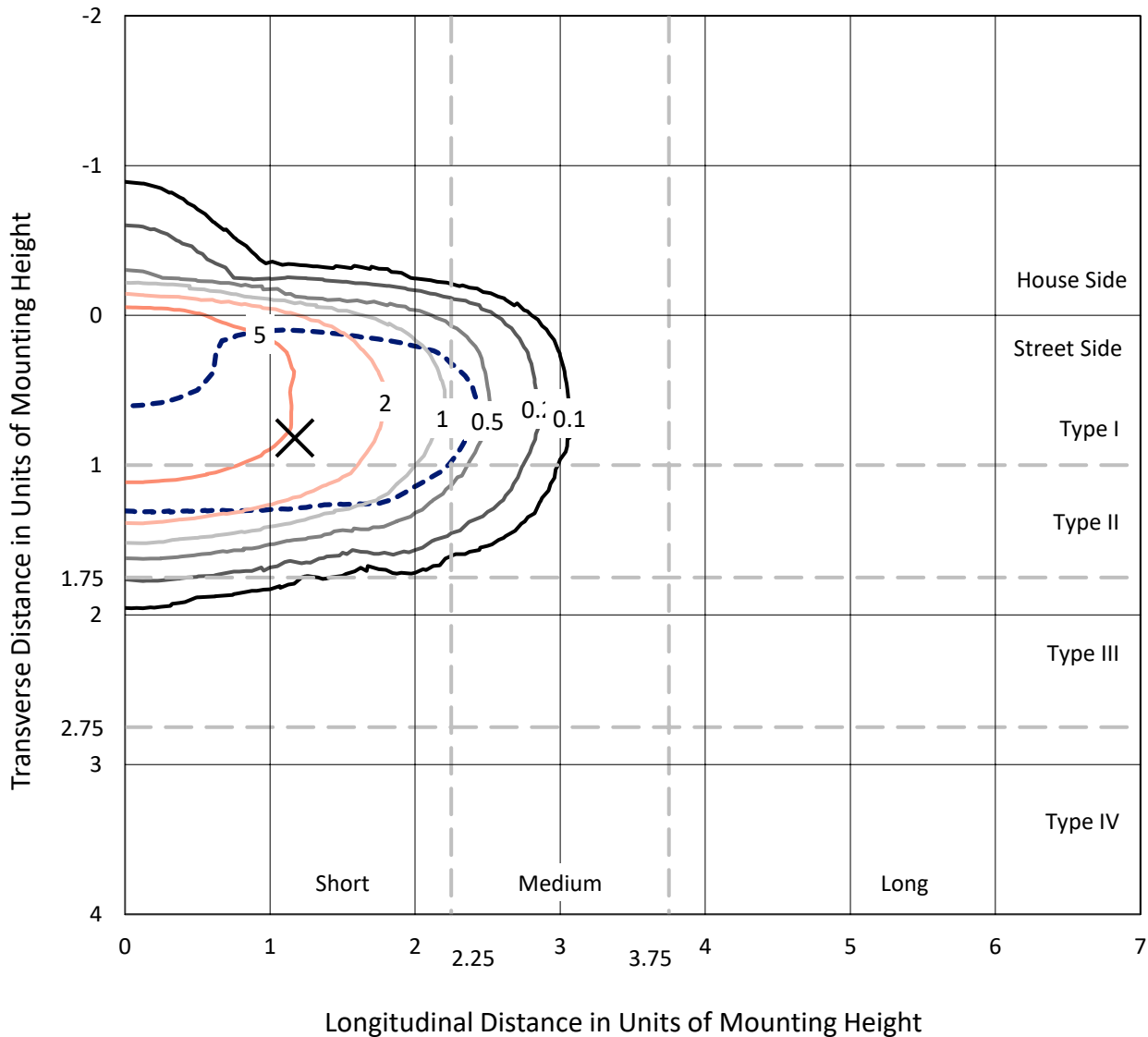
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639014
 CATALOG NUMBER: GWS-SA5B-722-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

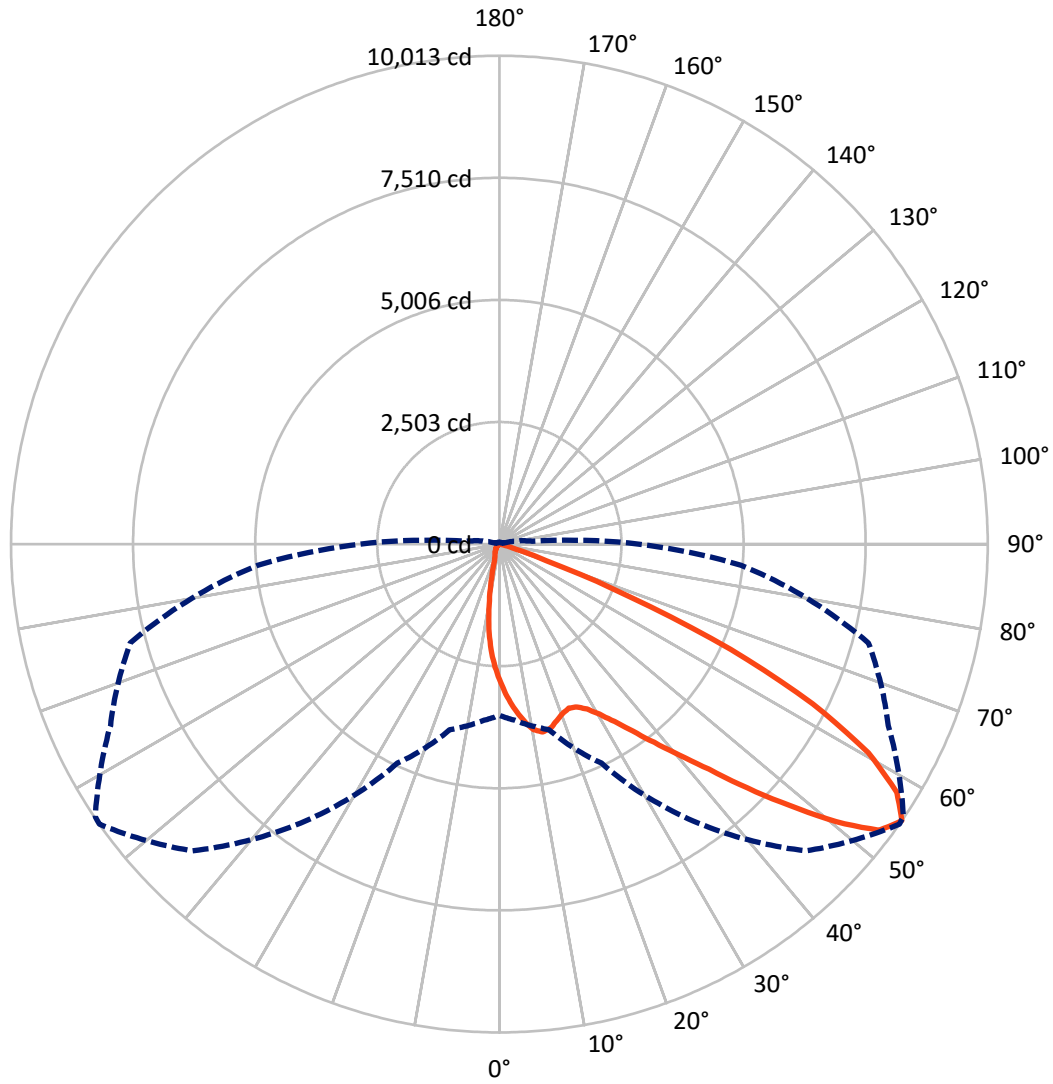
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Short - N/A

REPORT NUMBER: P639014
CATALOG NUMBER: GWS-SA5B-722-U-AFL-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P639014
 CATALOG NUMBER: GWS-SA5B-722-U-AFL-W-HSS

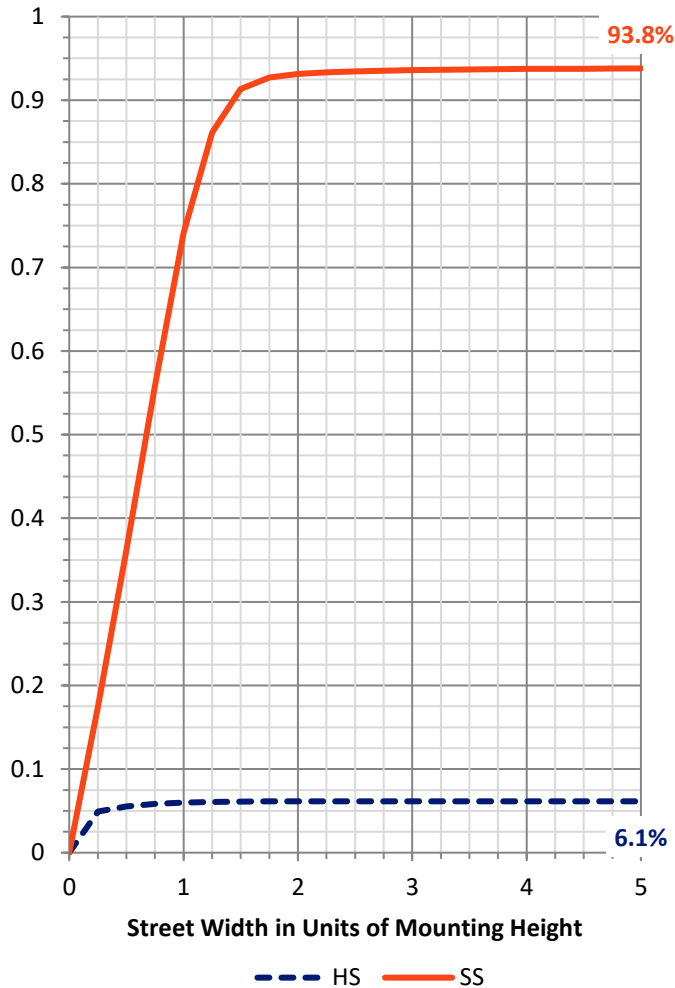
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	676.8	0.0	676.8
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	10291.1	0.0	10291.1
	% Fixture	93.8	0.0	93.8
Total	Lumens	10967.9	0.0	10967.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.4	2.3
10°-20°	603.7	5.5
20°-30°	1005.4	9.2
30°-40°	1713.3	15.6
40°-50°	2796.7	25.5
50°-60°	2928.0	26.7
60°-70°	1476.8	13.5
70°-80°	186.5	1.7
80°-90°	7.1	0.1
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°	10967.9	100.0
0°-180°	10967.9	100.0

Coefficient of Utilization



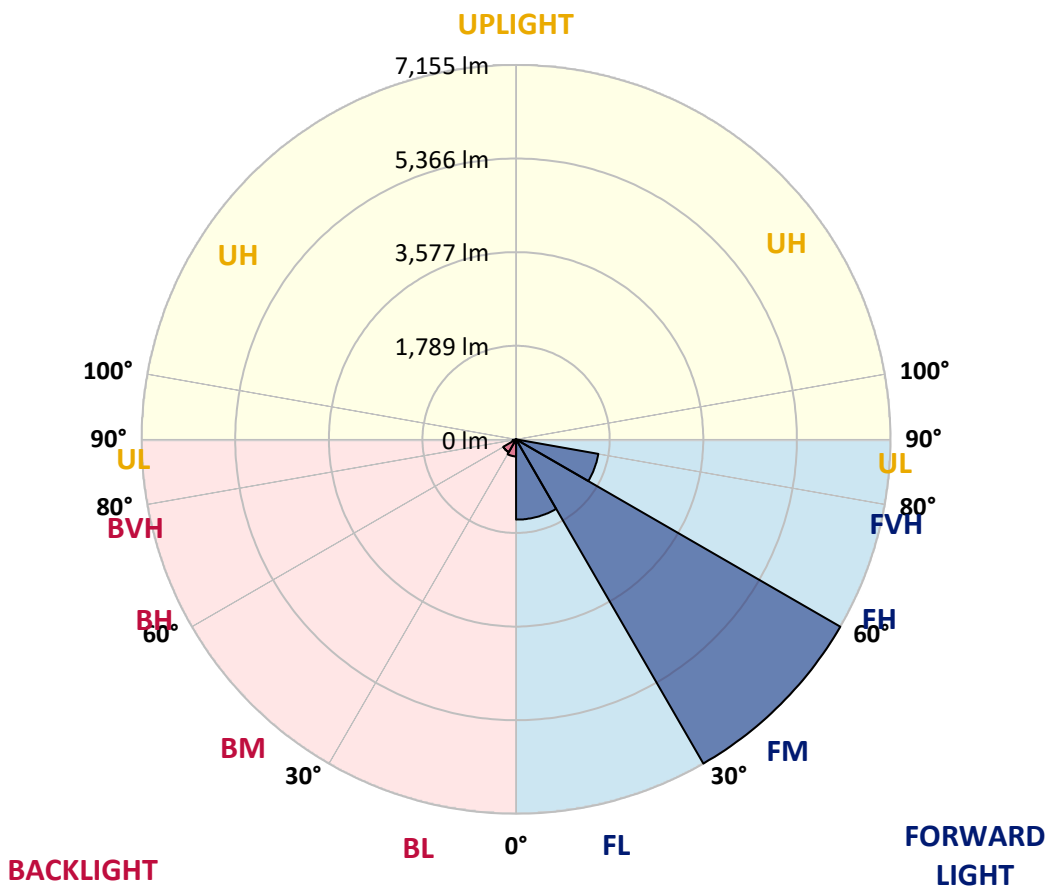
REPORT NUMBER: P639014

CATALOG NUMBER: GWS-SA5B-722-U-AFL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1534.3	14.0			
FM (30°-60°)	7155.0	65.2			
FH (60°-80°)	1595.5	14.5			G1/1800
FVH (80°-90°)	6.4	0.1			G0/10
BL (0°-30°)	325.3	3.0	B1/500		
BM (30°-60°)	283.0	2.6	B1/1000		
BH (60°-80°)	67.9	0.6	B0/110		G0/110
BVH (80°-90°)	0.6	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-G1
 Type II Short





REPORT NUMBER: P639014

CATALOG NUMBER: GWS-SA5B-722-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2833.5	2833.5	2833.5	2833.5	2833.5	2833.5	2833.5	2833.5	2833.5	2833.5	2833.5
2.5°	3303.2	3287.3	3311.6	3283.5	3235.7	3195.4	3142.9	3124.1	3039.7	2960.0	2883.2
5°	3704.5	3709.2	3701.7	3662.3	3594.8	3519.8	3413.8	3390.4	3243.2	3091.3	2927.2
7.5°	3803.9	3801.1	3817.0	3832.0	3820.8	3783.3	3667.9	3644.5	3461.7	3233.8	2994.7
10°	3497.3	3499.2	3532.0	3633.2	3758.9	3889.2	3871.4	3858.3	3679.2	3395.1	3069.7
12.5°	3064.1	3081.0	3115.7	3260.1	3472.9	3769.2	3953.0	3966.1	3878.9	3572.3	3157.9
15°	2876.6	2880.3	2908.5	2995.7	3154.1	3519.8	3918.3	3954.8	4045.8	3750.4	3253.5
17.5°	2871.9	2876.6	2888.8	2927.2	3030.4	3323.8	3806.7	3870.5	4171.4	3941.7	3367.9
20°	3048.2	3045.4	3036.9	3016.3	3061.3	3259.1	3703.6	3773.9	4239.9	4128.3	3483.2
22.5°	3367.9	3364.2	3326.6	3241.3	3204.8	3318.2	3652.9	3716.7	4281.1	4294.3	3577.9
25°	3736.4	3762.6	3692.3	3562.9	3472.9	3469.2	3697.9	3742.9	4316.8	4441.5	3642.6
27.5°	4140.5	4148.9	4088.9	3943.6	3813.3	3711.1	3828.3	3862.0	4356.1	4572.7	3679.2
30°	4584.0	4581.2	4512.7	4344.0	4185.5	4038.3	4047.7	4060.8	4448.0	4722.8	3719.5
32.5°	5138.1	5150.3	5028.4	4798.7	4608.4	4404.9	4334.6	4336.5	4614.0	4915.9	3780.5
35°	5891.0	5861.0	5699.7	5372.5	5048.1	4828.7	4708.7	4698.4	4870.0	5175.6	3886.4
37.5°	6608.3	6611.1	6442.3	6082.3	5672.6	5326.6	5156.9	5128.7	5230.0	5535.7	4062.7
40°	7106.2	7115.5	7045.2	6856.8	6422.6	5933.2	5683.8	5654.7	5696.9	5991.3	4293.3
42.5°	7369.6	7395.9	7415.6	7459.6	7130.5	6690.8	6307.3	6304.5	6260.4	6510.8	4560.5
45°	7379.9	7419.3	7539.3	7840.3	7877.8	7555.3	7138.0	7075.2	6905.5	7066.8	4799.6
47.5°	6972.1	7063.0	7318.1	7914.4	8308.2	8415.1	8001.6	7963.1	7486.8	7506.5	4978.7
50°	6021.3	6116.0	6585.8	7534.6	8416.9	9097.6	8949.5	8869.8	7972.5	7797.2	5065.0
52.5°	5046.2	5132.5	5451.3	6630.8	7966.0	9312.4	9748.4	9653.7	8408.5	7898.4	5029.3
55°	3511.4	3626.7	3938.0	4956.2	6927.1	8894.2	10012.8	9993.1	8797.6	7834.7	4974.0
57.5°	1721.5	1835.8	2146.2	3055.7	5131.5	7765.3	9608.6	9712.7	9030.1	7766.2	4929.0
60°	719.1	766.0	872.9	1340.8	2871.0	5868.5	8696.3	8840.7	8887.6	7673.4	4924.3
62.5°	417.2	424.7	436.0	556.0	1116.7	3364.2	7214.0	7419.3	8138.5	7550.6	4850.3
65°	315.0	317.9	313.2	341.3	461.3	1276.1	5212.2	5491.6	6793.0	7070.5	4557.7
67.5°	258.8	258.8	246.6	252.2	289.7	478.2	2877.5	3267.6	5026.5	5811.3	3763.6
70°	206.3	211.0	205.3	197.8	207.2	264.4	1023.9	1269.5	2927.2	3431.7	2194.9
72.5°	156.6	156.6	166.0	160.3	153.8	166.0	357.2	401.3	1174.8	1430.8	792.3
75°	121.0	124.7	131.3	125.6	116.3	98.4	171.6	181.9	354.4	332.9	177.2
77.5°	61.9	62.8	83.4	91.9	86.3	60.0	75.0	82.5	115.3	103.1	65.6
80°	37.5	39.4	46.9	72.2	57.2	31.9	30.9	32.8	54.4	46.9	27.2
82.5°	15.9	16.9	26.3	26.3	23.4	12.2	12.2	12.2	26.3	24.4	11.3
85°	0.0	0.0	4.7	3.8	3.8	4.7	4.7	4.7	6.6	9.4	5.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.8	2.8
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: P639014

CATALOG NUMBER: GWS-SA5B-722-U-AFL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2833.5	2833.5	2833.5	2833.5	2833.5	2833.5	2833.5	2833.5	2833.5	2833.5	2833.5
2.5°	2833.5	2773.5	2692.8	2619.7	2521.2	2465.9	2389.0	2326.2	2272.8	2255.9	2248.4
5°	2834.4	2731.3	2558.7	2386.2	2174.3	2007.4	1835.8	1699.9	1588.3	1552.7	1543.3
7.5°	2853.2	2701.3	2421.9	2108.7	1754.3	1461.7	1200.1	965.7	857.0	820.4	812.9
10°	2878.5	2675.9	2263.4	1775.8	1266.7	890.7	631.0	481.0	409.7	370.4	376.0
12.5°	2911.3	2655.3	2088.1	1415.8	838.2	489.4	346.9	290.7	275.7	268.2	264.4
15°	2955.4	2630.9	1870.5	1058.6	513.8	315.0	267.2	252.2	246.6	242.8	241.9
17.5°	3000.4	2602.8	1649.3	744.5	341.3	261.6	240.0	232.5	228.8	226.0	225.0
20°	3048.2	2555.0	1389.5	512.9	269.1	235.3	221.3	212.8	208.1	203.5	202.5
22.5°	3068.8	2478.1	1141.1	359.1	239.1	216.6	198.8	188.5	182.8	179.1	179.1
25°	3049.1	2353.4	884.2	272.8	217.5	196.0	178.1	166.9	162.2	158.5	158.5
27.5°	2996.6	2193.1	645.1	226.0	194.1	174.4	157.5	147.2	143.5	141.6	141.6
30°	2938.5	1990.5	454.7	194.1	167.8	151.9	137.8	131.3	130.3	128.5	128.5
32.5°	2888.8	1801.2	313.2	170.6	148.1	132.2	122.8	120.0	121.0	119.1	120.0
35°	2861.6	1615.5	232.5	151.9	132.2	117.2	112.5	112.5	112.5	111.6	111.6
37.5°	2872.8	1432.7	189.4	138.8	118.1	106.9	102.2	104.1	106.0	106.0	106.0
40°	2929.1	1270.5	167.8	126.6	106.0	97.5	93.8	96.6	99.4	101.3	101.3
42.5°	3000.4	1139.2	151.9	116.3	97.5	88.1	86.3	89.1	91.9	93.8	93.8
45°	3045.4	1007.0	136.0	103.1	89.1	77.8	77.8	81.6	80.6	81.6	81.6
47.5°	3066.0	902.0	120.0	89.1	75.9	67.5	68.4	70.3	68.4	70.3	70.3
50°	3015.4	796.0	106.0	74.1	62.8	59.1	60.9	60.0	60.0	63.8	63.8
52.5°	2922.5	717.3	93.8	62.8	53.4	52.5	54.4	50.6	51.6	51.6	50.6
55°	2854.1	672.3	83.4	54.4	45.9	46.9	45.9	39.4	35.6	31.9	30.9
57.5°	2820.3	654.5	75.9	48.8	41.3	41.3	37.5	27.2	20.6	15.9	14.1
60°	2812.8	632.9	68.4	42.2	36.6	34.7	27.2	15.9	10.3	7.5	6.6
62.5°	2741.6	580.4	61.9	33.8	31.9	28.1	16.9	9.4	5.6	3.8	2.8
65°	2508.1	477.2	55.3	26.3	24.4	20.6	10.3	5.6	2.8	0.9	0.0
67.5°	1995.2	338.5	48.8	19.7	16.9	13.1	6.6	3.8	0.9	0.0	0.0
70°	1150.4	182.8	40.3	14.1	11.3	8.4	4.7	1.9	0.0	0.0	0.0
72.5°	384.4	85.3	30.9	9.4	8.4	6.6	2.8	0.9	0.0	0.0	0.0
75°	84.4	50.6	20.6	6.6	5.6	4.7	1.9	0.0	0.0	0.0	0.0
77.5°	31.9	35.6	10.3	4.7	3.8	2.8	0.9	0.0	0.0	0.0	0.0
80°	12.2	23.4	4.7	2.8	2.8	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	6.6	9.4	2.8	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.8	4.7	1.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	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)