

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: P633104

Luminaire Tested: GWS-SA2E-722-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633104
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8667.8 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

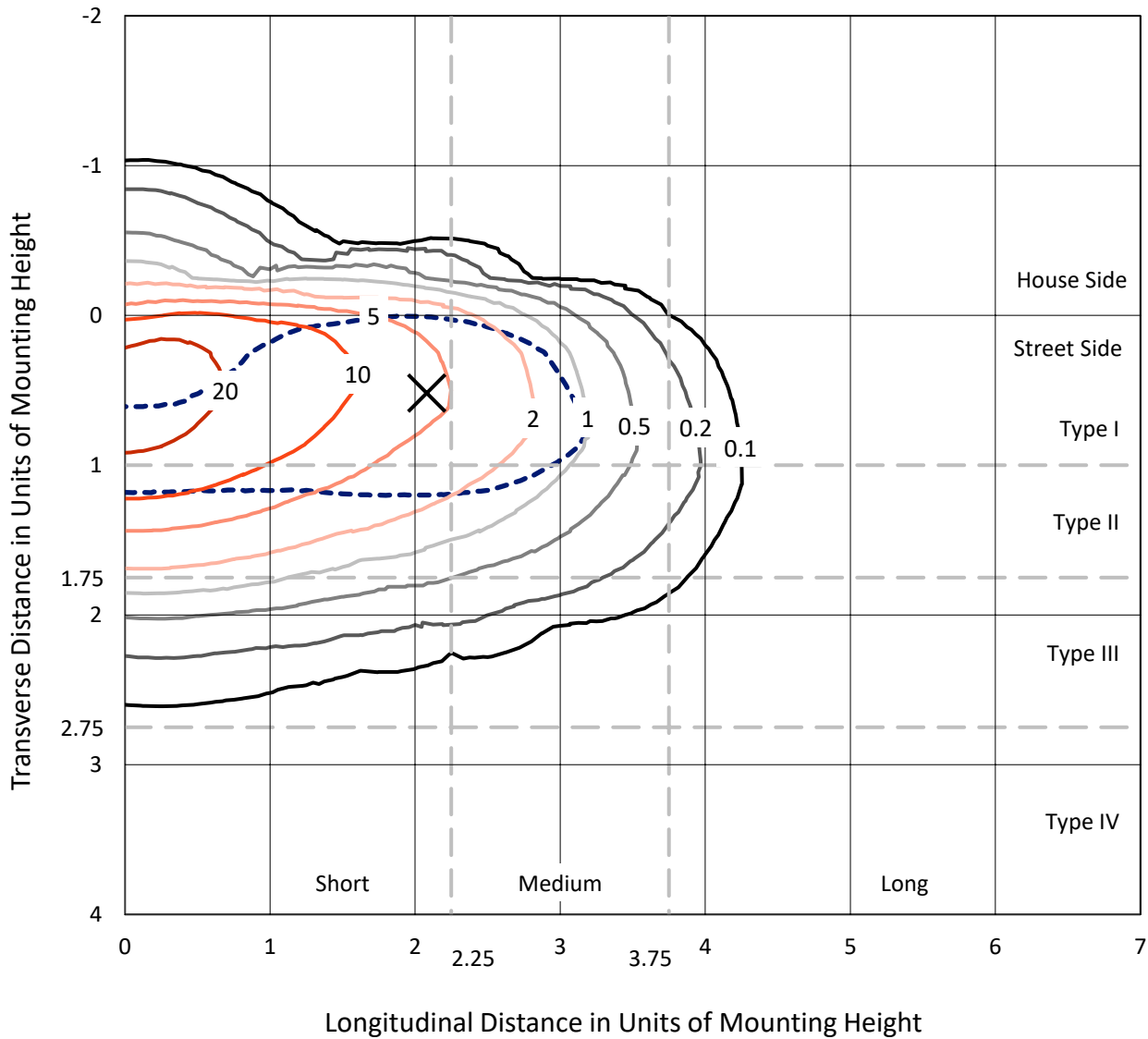
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633104
 CATALOG NUMBER: GWS-SA2E-722-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

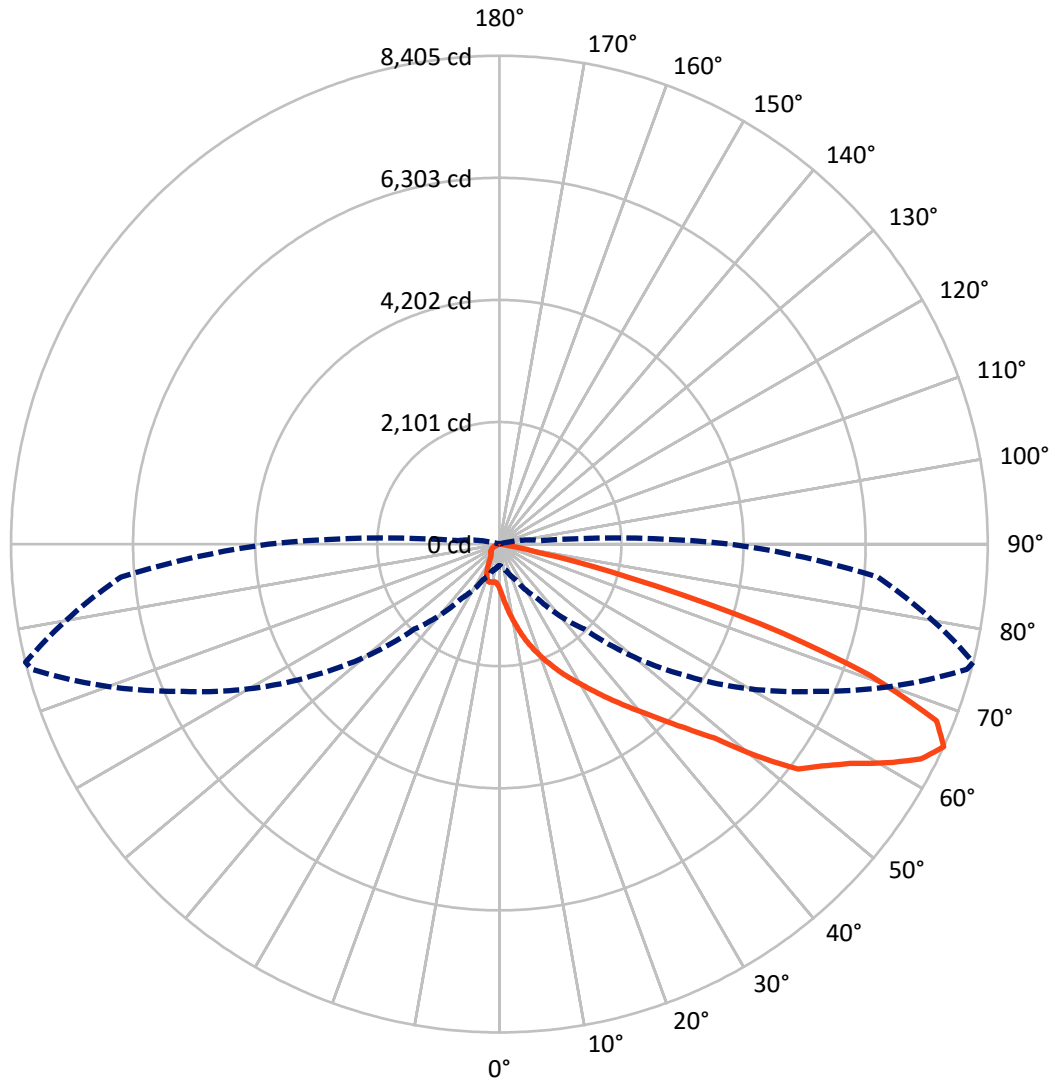
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26 fc
 Type II - Short - N/A

REPORT NUMBER: P633104
CATALOG NUMBER: GWS-SA2E-722-U-T2R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P633104
 CATALOG NUMBER: GWS-SA2E-722-U-T2R-W-HSS

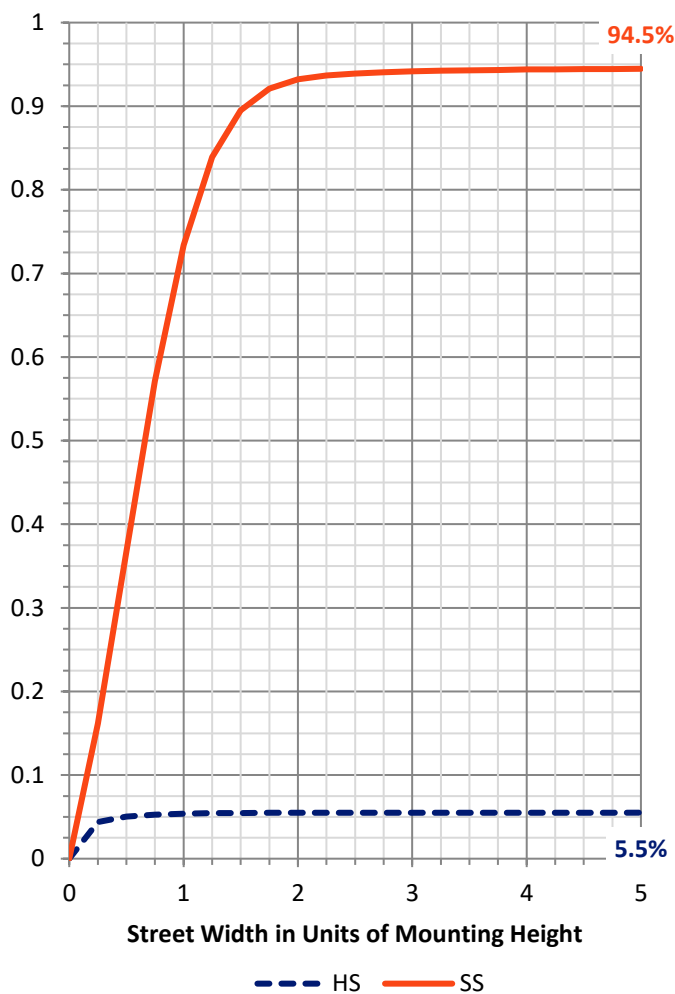
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.3	0.0	479.3
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	8188.5	0.0	8188.5
	% Fixture	94.5	0.0	94.5
Total	Lumens	8667.8	0.0	8667.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	1.1
10°-20°	354.3	4.1
20°-30°	722.7	8.3
30°-40°	1285.4	14.8
40°-50°	1900.1	21.9
50°-60°	2175.5	25.1
60°-70°	1659.8	19.1
70°-80°	464.9	5.4
80°-90°	11.7	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°	8667.8	100.0
0°-180°	8667.8	100.0

Coefficient of Utilization



REPORT NUMBER: P633104

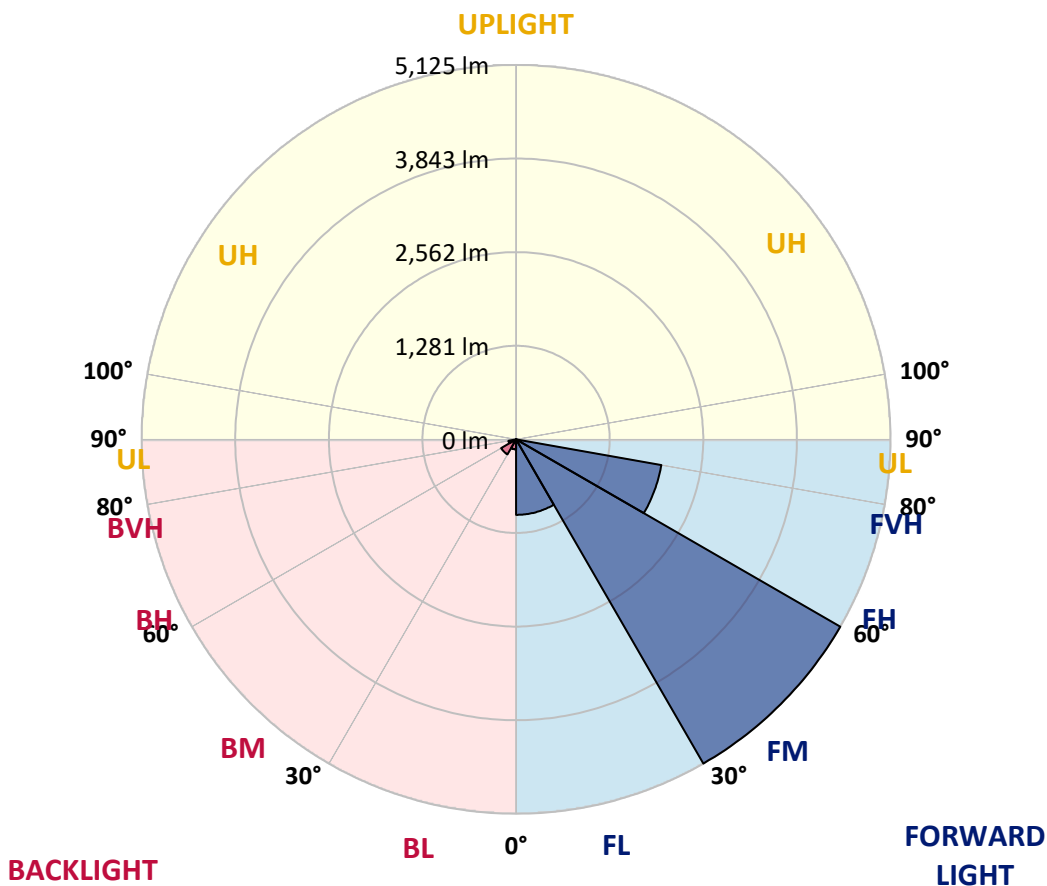
CATALOG NUMBER: GWS-SA2E-722-U-T2R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1033.6	11.9			
FM (30°-60°)	5124.5	59.1			
FH (60°-80°)	2019.4	23.3			G2/5000
FVH (80°-90°)	11.0	0.1			G1/100
BL (0°-30°)	136.8	1.6	B1/500		
BM (30°-60°)	236.5	2.7	B1/1000		
BH (60°-80°)	105.4	1.2	B0/110		G0/110
BVH (80°-90°)	0.7	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-G2

Type II Short





REPORT NUMBER: P633104

CATALOG NUMBER: GWS-SA2E-722-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	767.4	767.4	767.4	767.4	767.4	767.4	767.4	767.4	767.4	767.4	767.4
2.5°	1182.7	1200.4	1186.6	1163.5	1118.8	1075.6	1020.1	943.9	883.0	875.3	818.3
5°	1597.2	1595.7	1565.7	1535.6	1488.6	1414.6	1302.9	1161.1	1024.8	1013.2	885.3
7.5°	1843.8	1846.1	1829.2	1806.0	1759.8	1683.5	1567.2	1396.1	1196.6	1173.5	977.0
10°	2051.1	2050.3	2038.0	2027.2	1985.6	1934.7	1809.9	1621.9	1381.5	1345.3	1079.5
12.5°	2206.7	2212.1	2218.3	2229.1	2211.3	2161.2	2043.4	1838.4	1568.7	1528.7	1196.6
15°	2330.0	2331.5	2354.6	2396.3	2410.9	2384.7	2277.6	2048.0	1753.7	1719.0	1331.4
17.5°	2367.0	2370.1	2409.3	2485.6	2562.7	2577.3	2496.4	2259.1	1935.5	1898.5	1462.4
20°	2444.8	2451.7	2481.0	2548.0	2645.1	2723.7	2692.1	2472.5	2117.3	2068.8	1596.5
22.5°	2689.8	2693.7	2683.6	2692.1	2742.2	2833.1	2852.4	2679.0	2303.8	2252.2	1741.3
25°	3111.3	3112.8	3042.7	2976.4	2938.7	2955.6	2998.0	2869.3	2488.7	2437.9	1876.2
27.5°	3548.9	3554.3	3470.3	3357.8	3223.0	3145.9	3133.6	3043.5	2675.2	2618.9	2009.5
30°	3961.1	3961.1	3872.5	3735.4	3555.1	3404.8	3316.2	3219.1	2874.7	2813.1	2145.8
32.5°	4331.7	4328.7	4215.4	4066.7	3888.7	3723.8	3537.4	3402.5	3096.6	3028.1	2303.0
35°	4637.6	4629.9	4501.3	4358.7	4168.4	4045.9	3837.9	3599.8	3337.0	3268.5	2464.8
37.5°	4868.8	4860.3	4742.4	4591.4	4415.0	4335.6	4161.5	3836.3	3590.5	3528.1	2644.4
40°	4994.4	4977.4	4895.7	4783.3	4635.3	4566.0	4493.5	4129.9	3888.7	3810.9	2856.2
42.5°	5031.4	5011.3	4957.4	4905.0	4815.6	4760.9	4838.7	4461.2	4216.2	4149.1	3098.2
45°	4921.9	4910.4	4905.8	4943.5	4959.7	4975.1	5167.0	4827.9	4577.5	4526.7	3402.5
47.5°	4658.4	4655.4	4696.2	4853.4	5024.4	5187.0	5523.7	5280.2	5046.0	4991.3	3827.8
50°	4171.5	4203.1	4317.1	4592.9	4935.0	5307.2	5857.3	5907.4	5804.2	5724.0	4382.6
52.5°	3410.2	3471.1	3726.9	4146.1	4637.6	5273.3	6011.4	6409.8	6515.3	6432.1	4780.2
55°	2675.9	2733.0	2961.0	3492.7	4148.4	5015.2	6018.4	6583.1	6813.5	6736.5	5049.1
57.5°	1993.3	2045.7	2252.9	2761.5	3482.7	4507.4	5853.5	6679.5	7167.2	7117.9	5473.6
60°	1302.9	1354.5	1541.8	1986.3	2701.4	3767.7	5447.4	6659.4	7648.7	7644.1	5995.2
62.5°	722.7	763.6	899.2	1245.9	1885.4	2917.9	4809.5	6458.3	8114.9	8144.2	6425.2
65°	369.8	396.0	478.5	685.0	1141.1	2068.8	3970.4	5997.6	8330.6	8404.6	6538.4
67.5°	241.9	250.4	270.4	356.0	611.0	1301.4	2988.0	5258.7	8027.1	8113.3	6158.6
70°	196.5	203.4	215.0	237.3	315.1	691.1	1962.5	4200.0	6707.2	6765.7	4904.2
72.5°	144.1	153.3	175.7	190.3	227.3	379.1	1020.9	2756.8	4606.0	4709.3	3082.0
75°	106.3	111.7	130.2	150.2	185.7	239.6	390.6	1449.3	2378.5	2318.4	1294.4
77.5°	64.0	67.8	83.2	96.3	132.5	149.5	136.4	535.5	723.5	680.4	312.8
80°	31.6	35.4	54.7	72.4	84.8	60.1	57.0	149.5	161.0	161.0	78.6
82.5°	10.8	13.9	29.3	47.8	41.6	23.1	27.0	38.5	43.1	45.5	23.1
85°	0.0	0.0	6.9	13.9	6.2	3.1	6.9	8.5	10.8	11.6	7.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.3	3.1	3.1
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: P633104
 CATALOG NUMBER: GWS-SA2E-722-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	767.4	767.4	767.4	767.4	767.4	767.4	767.4	767.4	767.4	767.4	767.4
2.5°	787.4	751.2	696.5	647.2	609.5	574.0	547.1	525.5	521.6	509.3	510.8
5°	822.9	757.4	656.5	578.6	523.9	487.0	456.1	433.0	423.0	413.0	405.3
7.5°	877.6	782.8	641.1	546.3	482.3	425.3	377.5	339.0	320.5	309.0	301.3
10°	944.6	818.3	641.8	527.0	432.2	345.2	279.7	237.3	217.3	211.1	210.3
12.5°	1024.8	863.0	648.0	495.4	359.8	256.6	207.3	188.0	181.8	176.4	176.4
15°	1109.5	913.0	648.0	437.6	274.3	200.3	179.5	167.2	159.5	156.4	154.9
17.5°	1198.9	960.0	632.6	358.3	210.3	176.4	159.5	147.9	141.8	137.1	135.6
20°	1294.4	1004.7	594.1	274.3	180.3	158.0	141.8	130.2	124.1	119.4	119.4
22.5°	1391.5	1046.3	531.6	211.1	159.5	140.2	124.8	114.0	107.9	103.2	103.2
25°	1481.7	1074.1	451.5	174.1	144.1	124.8	111.0	100.2	93.2	90.1	88.6
27.5°	1565.7	1091.8	362.9	153.3	129.4	111.7	97.1	87.1	81.7	79.4	77.8
30°	1652.7	1096.4	277.4	139.5	117.1	98.6	84.8	77.0	72.4	69.3	69.3
32.5°	1737.5	1091.0	211.9	127.9	106.3	87.1	75.5	68.6	64.7	62.4	61.6
35°	1823.8	1066.4	171.8	117.9	95.5	76.3	67.0	61.6	59.3	56.2	56.2
37.5°	1917.8	1033.2	149.5	107.9	84.8	68.6	60.1	56.2	53.2	50.9	50.1
40°	2034.9	994.7	137.1	99.4	74.7	61.6	53.9	50.1	47.8	45.5	44.7
42.5°	2173.6	957.0	131.0	90.1	67.0	54.7	48.5	43.9	41.6	38.5	37.8
45°	2370.1	948.5	124.1	80.1	60.1	49.3	42.4	37.8	34.7	32.4	31.6
47.5°	2686.0	972.4	112.5	69.3	53.2	43.1	36.2	32.4	28.5	26.2	24.7
50°	2999.6	966.2	100.9	60.1	47.0	37.0	30.8	27.0	23.1	20.8	20.0
52.5°	3170.6	936.9	90.1	53.2	40.8	31.6	26.2	21.6	19.3	17.0	16.2
55°	3325.5	925.4	79.4	46.2	34.7	27.7	21.6	17.7	16.2	13.9	13.1
57.5°	3629.0	952.3	70.1	40.1	30.0	23.9	18.5	14.6	13.1	10.8	10.0
60°	3946.5	955.4	60.1	34.7	26.2	20.0	14.6	11.6	10.0	7.7	6.9
62.5°	4112.2	877.6	49.3	29.3	21.6	17.0	12.3	9.2	7.7	4.6	4.6
65°	3973.5	709.6	41.6	23.9	17.0	13.1	9.2	6.9	4.6	2.3	0.8
67.5°	3516.6	504.7	34.7	19.3	12.3	9.2	6.9	4.6	0.8	0.0	0.0
70°	2575.0	288.2	27.0	13.9	9.2	6.2	4.6	2.3	0.0	0.0	0.0
72.5°	1582.6	154.1	20.0	9.2	6.9	4.6	3.9	1.5	0.0	0.0	0.0
75°	600.2	74.0	12.3	6.2	5.4	3.9	2.3	0.8	0.0	0.0	0.0
77.5°	162.6	36.2	6.9	4.6	3.9	2.3	1.5	0.0	0.0	0.0	0.0
80°	42.4	17.0	4.6	3.1	2.3	1.5	0.0	0.0	0.0	0.0	0.0
82.5°	14.6	7.7	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0
85°	6.2	3.1	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	0.8	0.8	0.8	0.8	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)