

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: P637060

Luminaire Tested: GWS-SA4C-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-722-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10710.4 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

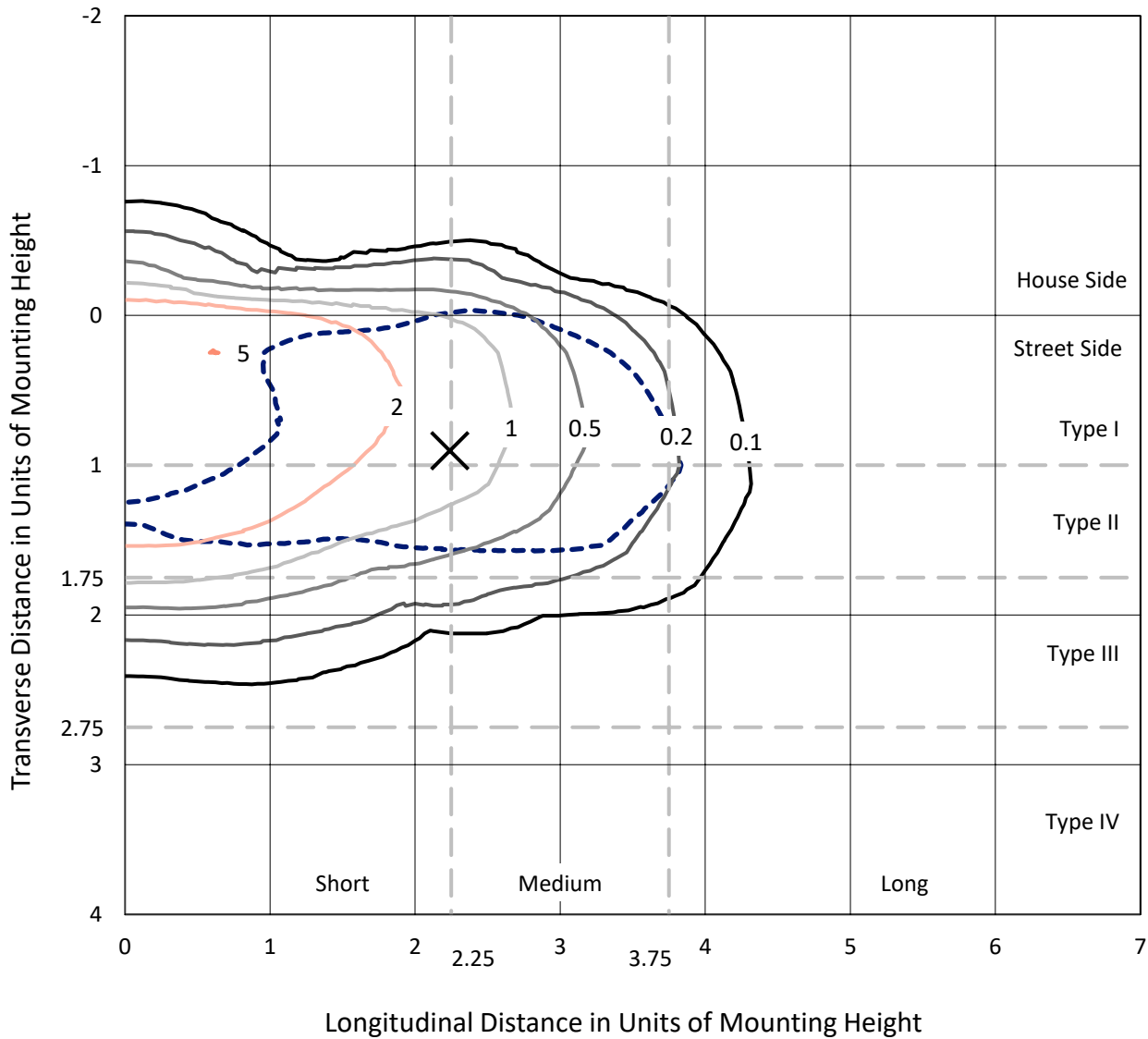
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637060
 CATALOG NUMBER: GWS-SA4C-722-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

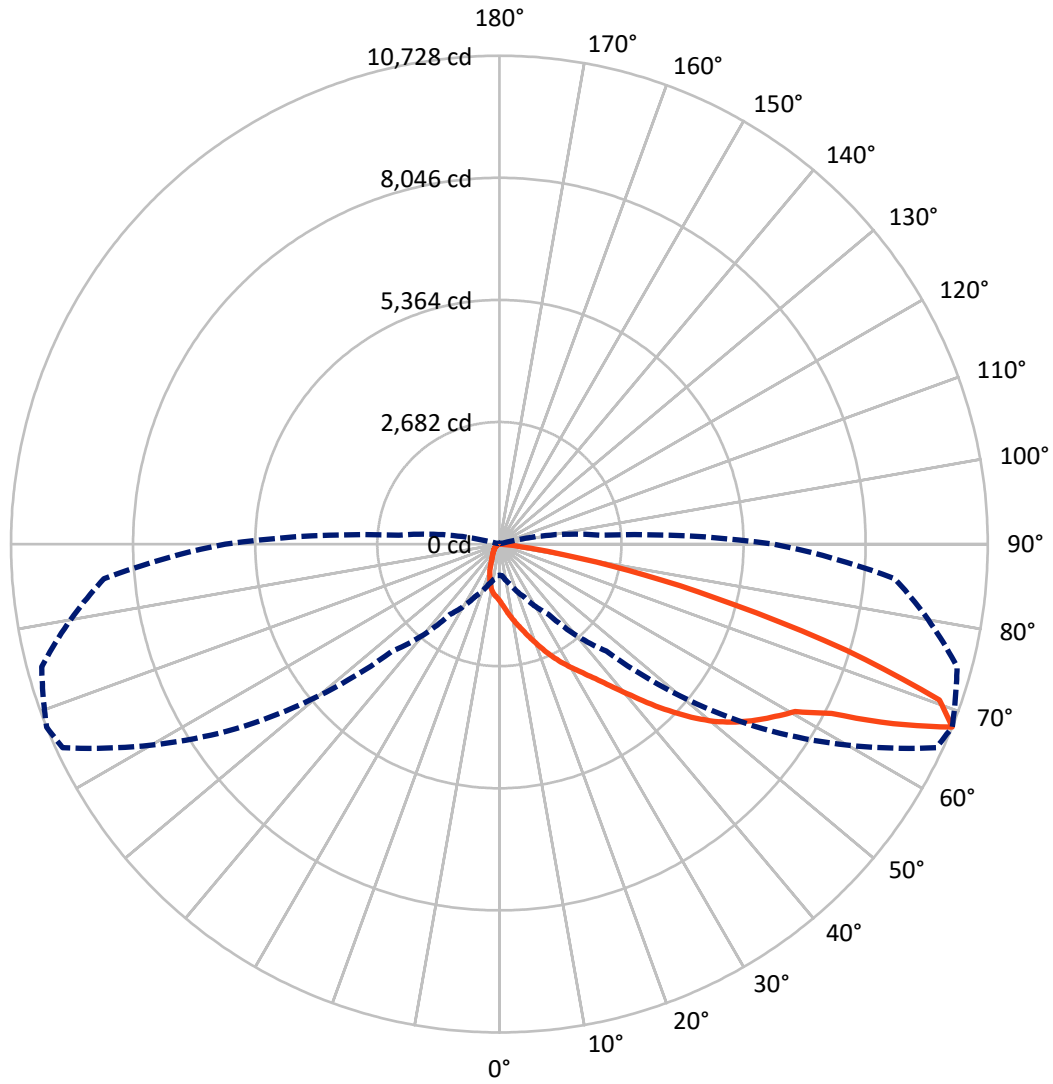
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc
 Type II - Short - N/A

REPORT NUMBER: P637060
CATALOG NUMBER: GWS-SA4C-722-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P637060

CATALOG NUMBER: GWS-SA4C-722-U-T2-W-HSS

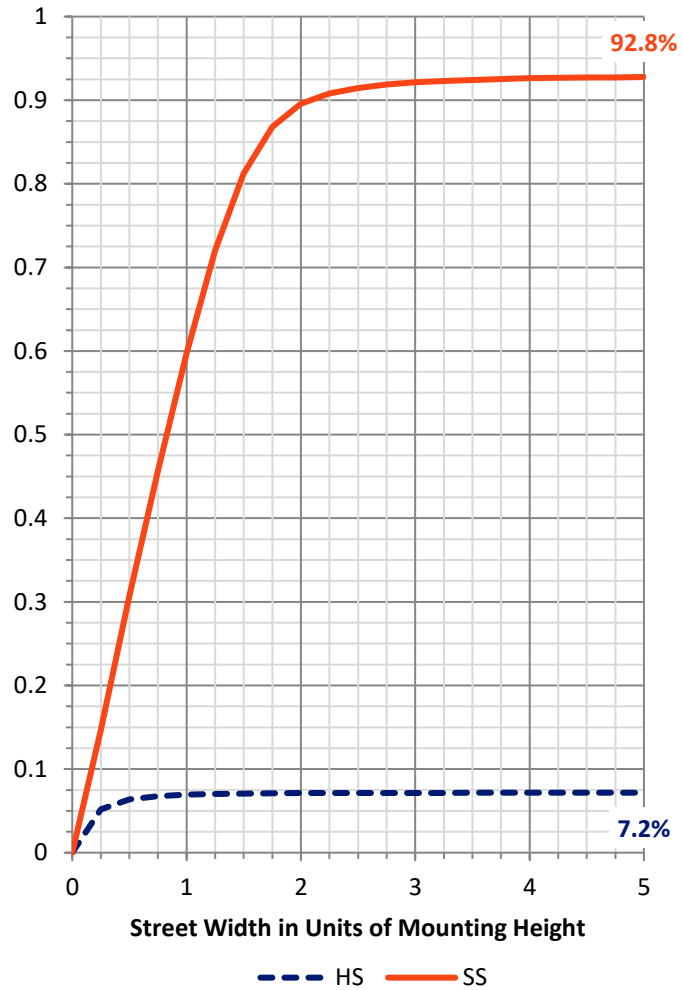
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	773.5	0.0	773.5
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	9937.0	0.0	9937.0
	% Fixture	92.8	0.0	92.8
Total	Lumens	10710.4	0.0	10710.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	1.1
10°-20°	349.1	3.3
20°-30°	599.9	5.6
30°-40°	1043.0	9.7
40°-50°	1820.0	17.0
50°-60°	2745.0	25.6
60°-70°	2752.5	25.7
70°-80°	1214.4	11.3
80°-90°	64.9	0.6
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°	10710.4	100.0
0°-180°	10710.4	100.0

Coefficient of Utilization



REPORT NUMBER: P637060

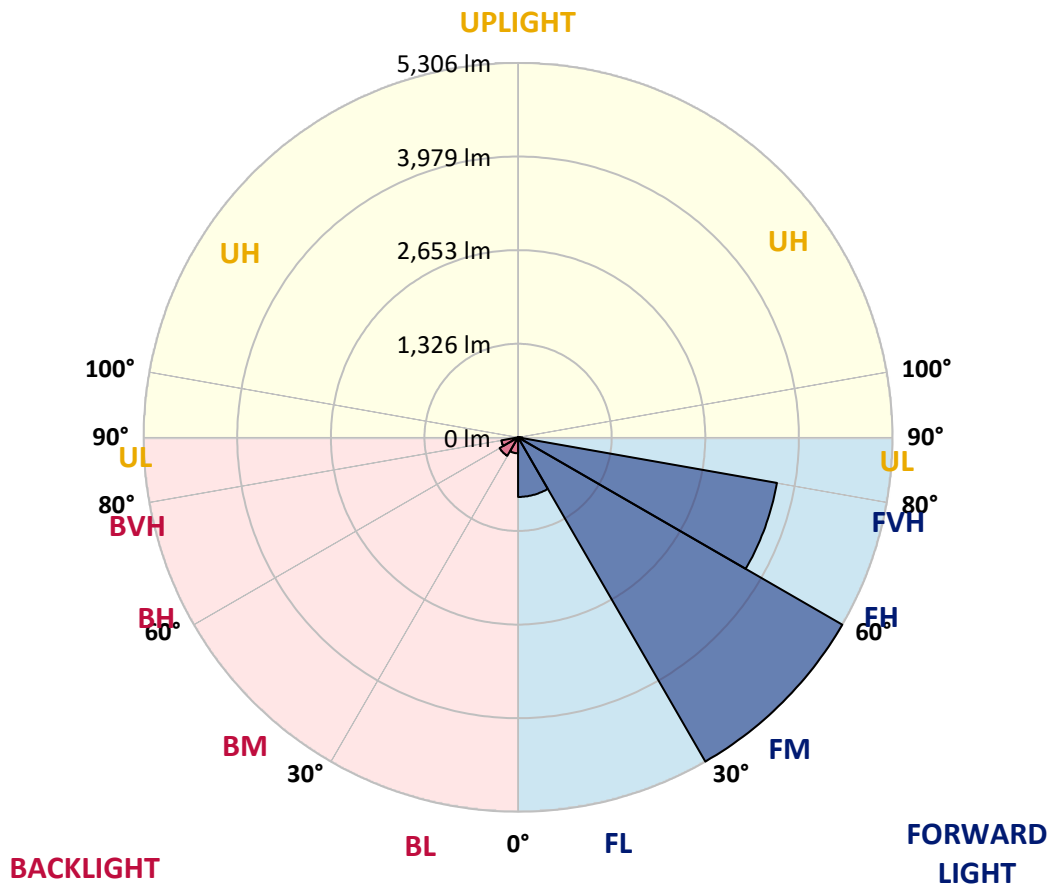
CATALOG NUMBER: GWS-SA4C-722-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	844.3	7.9			
FM (30°-60°)	5305.9	49.5			
FH (60°-80°)	3725.6	34.8			G2/5000
FVH (80°-90°)	61.2	0.6			G1/100
BL (0°-30°)	226.3	2.1	B1/500		
BM (30°-60°)	302.1	2.8	B1/1000		
BH (60°-80°)	241.4	2.3	B1/500		G1/500
BVH (80°-90°)	3.7	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: P637060

CATALOG NUMBER: GWS-SA4C-722-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4
2.5°	1451.4	1460.6	1451.4	1453.5	1426.8	1414.5	1387.9	1351.0	1341.7	1318.2	1282.3
5°	1628.7	1636.9	1627.7	1625.7	1594.9	1572.4	1528.3	1464.7	1446.3	1400.2	1329.4
7.5°	1725.1	1730.2	1733.3	1738.4	1727.2	1708.7	1668.7	1589.8	1570.3	1495.5	1396.1
10°	1735.4	1739.5	1754.8	1785.6	1808.1	1819.4	1796.9	1724.1	1693.3	1620.5	1478.1
12.5°	1706.6	1712.8	1737.4	1788.7	1851.2	1908.6	1922.9	1859.4	1831.7	1738.4	1574.4
15°	1668.7	1673.8	1707.7	1777.4	1871.7	1977.3	2036.7	2009.0	1978.3	1880.9	1681.0
17.5°	1610.3	1617.5	1664.6	1758.9	1880.9	2031.6	2159.7	2168.9	2147.4	2041.8	1798.9
20°	1577.5	1582.6	1624.6	1722.0	1874.8	2071.6	2274.5	2361.6	2338.1	2227.4	1934.2
22.5°	1605.2	1609.3	1636.9	1712.8	1854.3	2094.1	2381.1	2554.3	2541.0	2426.2	2076.7
25°	1750.7	1764.1	1747.7	1761.0	1863.5	2106.4	2467.2	2747.0	2750.1	2634.3	2224.3
27.5°	2045.9	2028.5	1989.6	1922.9	1935.2	2139.2	2541.0	2928.5	2955.1	2837.2	2355.5
30°	2346.3	2336.0	2312.4	2208.9	2122.8	2212.0	2603.5	3114.0	3156.0	3037.1	2472.3
32.5°	2683.5	2693.7	2651.7	2527.7	2381.1	2359.6	2668.1	3290.3	3369.2	3263.6	2609.7
35°	3086.3	3089.4	3006.4	2869.0	2703.0	2603.5	2783.9	3485.1	3630.6	3552.7	2793.2
37.5°	3478.9	3497.4	3452.3	3236.0	3088.4	2906.9	2975.6	3735.2	3940.2	3909.4	3023.8
40°	3826.4	3855.1	3840.7	3631.6	3437.9	3285.2	3272.9	4028.3	4314.3	4349.1	3328.2
42.5°	4103.1	4121.6	4132.9	3984.2	3813.1	3727.0	3639.8	4368.6	4756.1	4898.5	3701.3
45°	4395.3	4401.4	4425.0	4324.5	4174.9	4182.1	4073.4	4781.7	5221.4	5507.4	4129.8
47.5°	4767.3	4787.8	4776.6	4671.0	4535.7	4616.7	4521.3	5207.1	5680.6	6157.3	4568.5
50°	5220.4	5241.9	5231.7	5108.7	4958.0	4991.8	4932.4	5620.2	6123.4	6770.2	4933.4
52.5°	5454.1	5471.5	5598.6	5654.0	5575.1	5359.8	5282.9	6074.2	6497.6	7274.5	5268.6
55°	5341.4	5353.7	5630.4	5864.1	6153.2	5937.9	5635.5	6424.8	6827.6	7668.1	5517.7
57.5°	4873.9	4940.6	5316.8	5712.4	6320.2	6508.8	6207.5	6806.1	7145.4	7941.8	5762.6
60°	3915.6	3912.5	4451.6	5162.0	5994.3	6665.7	7015.2	7321.7	7464.2	8151.9	6090.6
62.5°	2163.8	2183.3	2900.8	3836.6	5088.2	6259.8	7621.0	8212.4	8190.9	8518.9	6604.2
65°	1077.3	1116.2	1505.7	2197.6	3385.6	5173.3	7725.5	9571.6	9510.1	9383.0	7665.1
67.5°	683.7	699.1	914.3	1277.2	1881.9	3325.1	7074.7	10585.3	10727.8	10408.0	8717.8
70°	442.8	468.4	635.5	873.3	1135.7	1713.8	5182.5	9928.3	10255.3	10295.3	8061.7
72.5°	240.9	259.3	405.9	623.2	820.0	856.9	2911.0	7450.8	7976.7	8733.1	6306.9
75°	137.4	150.7	222.4	423.3	601.7	521.7	1290.5	4987.7	5322.9	6241.3	4519.3
77.5°	83.0	94.3	125.1	206.0	377.2	348.5	487.9	3036.1	3249.3	3723.9	2371.9
80°	37.9	45.1	78.9	113.8	206.0	165.0	186.6	1415.5	1461.7	1528.3	785.2
82.5°	17.4	20.5	35.9	67.7	116.9	95.3	71.8	327.0	460.2	435.6	199.9
85°	2.1	2.1	13.3	27.7	32.8	24.6	29.7	73.8	93.3	131.2	57.4
87.5°	0.0	0.0	1.0	1.0	2.1	3.1	6.2	9.2	13.3	21.5	14.4
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: P637060
 CATALOG NUMBER: GWS-SA4C-722-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4
2.5°	1265.9	1237.2	1211.6	1173.6	1148.0	1119.3	1099.8	1076.3	1067.0	1059.9	1049.6
5°	1294.6	1248.5	1185.9	1116.2	1058.8	1004.5	954.3	921.5	892.8	888.7	874.3
7.5°	1341.7	1273.1	1167.5	1053.7	956.3	866.1	795.4	738.0	709.3	700.1	683.7
10°	1404.3	1310.0	1139.8	965.6	825.1	717.5	637.6	573.0	527.9	511.5	499.2
12.5°	1474.0	1343.8	1095.7	856.9	697.0	574.0	472.5	403.9	375.2	364.9	355.7
15°	1553.9	1375.6	1026.0	748.3	572.0	422.3	350.6	320.8	308.5	305.5	302.4
17.5°	1630.8	1396.1	943.0	635.5	439.7	328.0	294.2	282.9	279.8	276.8	274.7
20°	1717.9	1410.4	845.6	528.9	341.3	277.8	261.4	253.2	247.0	240.9	239.9
22.5°	1807.1	1410.4	740.1	424.4	286.0	249.1	230.6	215.3	204.0	197.8	195.8
25°	1892.2	1390.9	635.5	339.3	252.2	221.4	197.8	180.4	165.0	157.9	155.8
27.5°	1952.7	1340.7	544.3	287.0	228.6	196.8	168.1	148.6	136.3	129.2	128.1
30°	1990.6	1265.9	460.2	256.3	208.1	171.2	142.5	126.1	116.9	111.7	109.7
32.5°	2019.3	1173.6	385.4	234.7	188.6	148.6	124.0	110.7	102.5	98.4	97.4
35°	2076.7	1086.5	330.1	215.3	168.1	130.2	108.7	98.4	92.3	87.1	86.1
37.5°	2156.6	1013.7	286.0	197.8	148.6	115.8	98.4	89.2	84.1	78.9	77.9
40°	2274.5	967.6	253.2	180.4	131.2	104.6	90.2	82.0	74.8	69.7	68.7
42.5°	2455.9	946.1	231.7	163.0	115.8	94.3	83.0	72.8	65.6	60.5	59.5
45°	2672.2	957.4	213.2	145.6	105.6	87.1	73.8	63.6	56.4	51.3	50.2
47.5°	2903.9	997.3	197.8	129.2	95.3	80.0	65.6	54.3	48.2	43.1	42.0
50°	3145.8	1062.9	184.5	113.8	87.1	71.8	56.4	47.2	41.0	36.9	35.9
52.5°	3355.9	1152.1	171.2	102.5	80.0	63.6	49.2	41.0	34.9	30.8	29.7
55°	3556.8	1236.2	160.9	92.3	71.8	55.4	43.1	34.9	29.7	25.6	24.6
57.5°	3775.1	1325.3	148.6	83.0	64.6	49.2	37.9	29.7	25.6	21.5	20.5
60°	4092.9	1457.6	130.2	75.9	56.4	43.1	32.8	26.7	22.6	17.4	16.4
62.5°	4551.1	1698.4	109.7	65.6	48.2	36.9	27.7	22.6	18.5	14.4	12.3
65°	5408.0	2108.5	90.2	54.3	39.0	30.8	23.6	18.5	14.4	10.3	9.2
67.5°	6025.0	2215.1	72.8	44.1	31.8	23.6	19.5	14.4	10.3	7.2	6.2
70°	5267.6	1590.8	56.4	35.9	26.7	18.5	15.4	11.3	7.2	5.1	4.1
72.5°	3968.9	1039.4	42.0	27.7	20.5	15.4	11.3	9.2	6.2	4.1	3.1
75°	2797.3	600.7	30.8	20.5	14.4	11.3	9.2	7.2	5.1	3.1	3.1
77.5°	1434.0	248.1	21.5	14.4	10.3	7.2	6.2	4.1	4.1	3.1	2.1
80°	435.6	82.0	12.3	9.2	7.2	5.1	3.1	3.1	3.1	2.1	1.0
82.5°	99.4	26.7	7.2	7.2	5.1	4.1	3.1	1.0	1.0	0.0	0.0
85°	25.6	8.2	6.2	5.1	5.1	4.1	2.1	1.0	0.0	0.0	0.0
87.5°	9.2	5.1	5.1	5.1	4.1	3.1	2.1	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)