

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: P635088

Luminaire Tested: GWS-SA3D-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9516.6 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

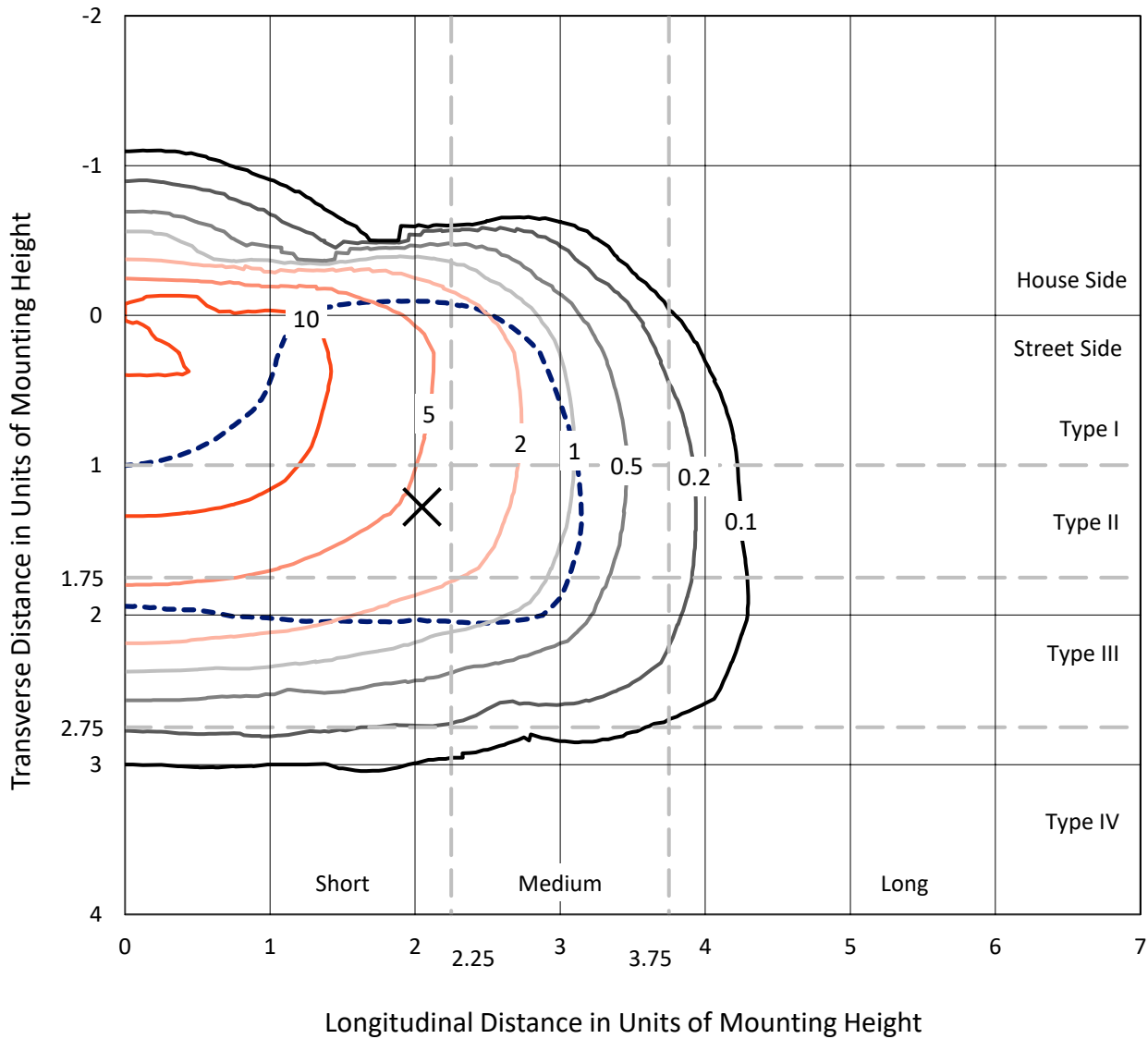
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635088
 CATALOG NUMBER: GWS-SA3D-722-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

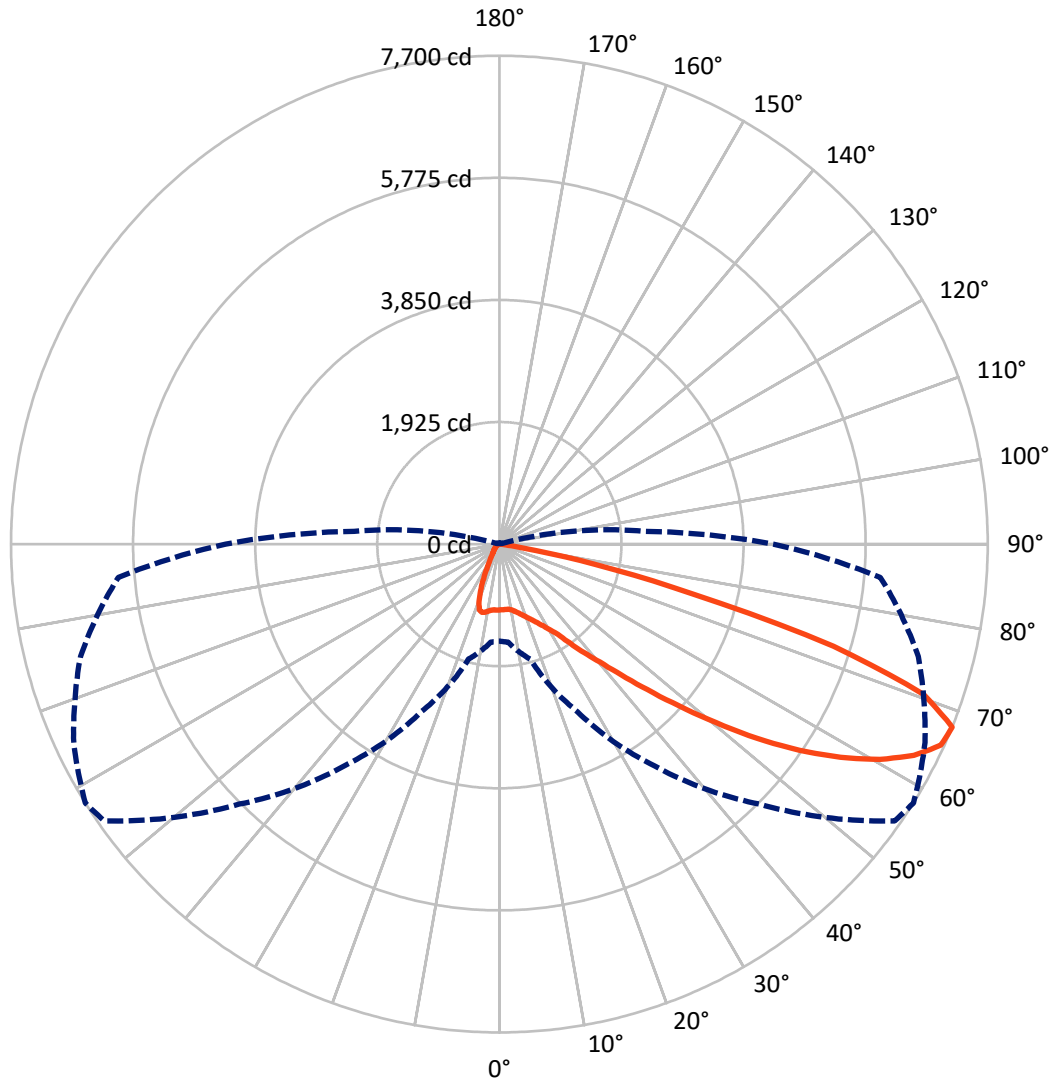
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
 Type III - Short - N/A

REPORT NUMBER: P635088
CATALOG NUMBER: GWS-SA3D-722-U-T3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P635088
 CATALOG NUMBER: GWS-SA3D-722-U-T3-W-HSS

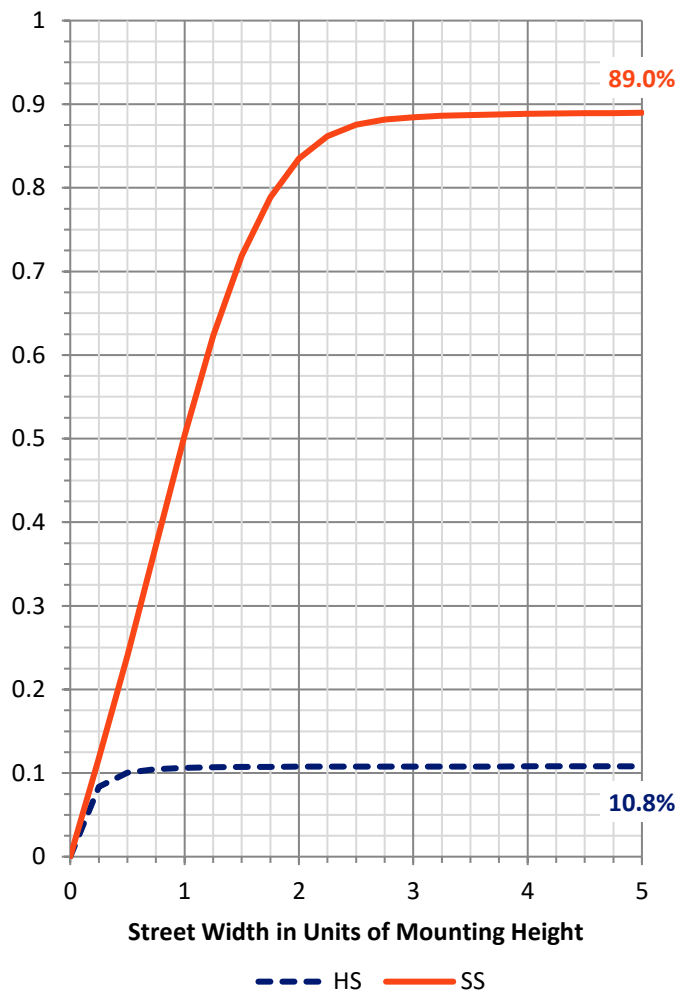
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1038.2	0.0	1038.2
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	8478.4	0.0	8478.4
	% Fixture	89.1	0.0	89.1
Total	Lumens	9516.6	0.0	9516.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	1.0
10°-20°	273.5	2.9
20°-30°	477.4	5.0
30°-40°	852.6	9.0
40°-50°	1558.4	16.4
50°-60°	2591.9	27.2
60°-70°	2815.2	29.6
70°-80°	826.6	8.7
80°-90°	23.5	0.2
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°	9516.6	100.0
0°-180°	9516.6	100.0

Coefficient of Utilization



REPORT NUMBER: P635088

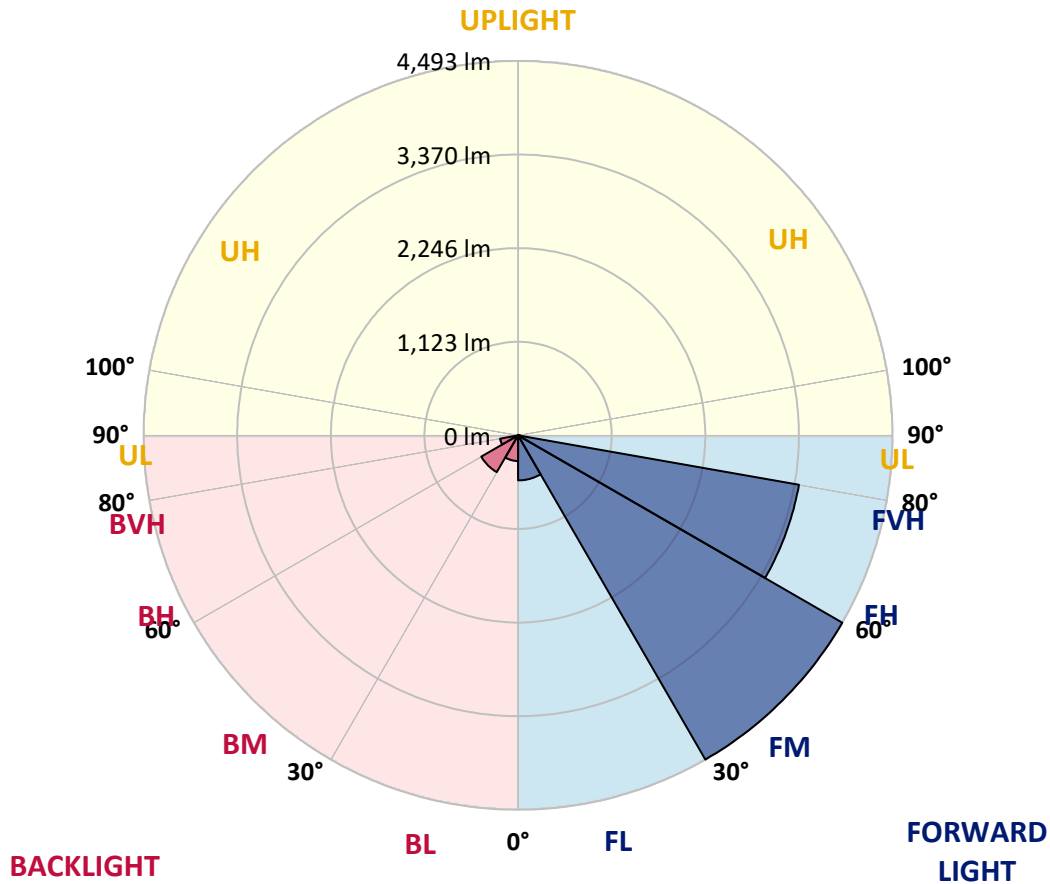
CATALOG NUMBER: GWS-SA3D-722-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	540.4	5.7			
FM (30°-60°)	4493.0	47.2			
FH (60°-80°)	3422.6	36.0			G2/5000
FVH (80°-90°)	22.4	0.2			G1/100
BL (0°-30°)	308.0	3.2	B1/500		
BM (30°-60°)	509.9	5.4	B1/1000		
BH (60°-80°)	219.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.2	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 III Short





REPORT NUMBER: P635088

CATALOG NUMBER: GWS-SA3D-722-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0
2.5°	1017.5	1015.7	1015.7	1023.1	1024.0	1027.7	1036.1	1037.0	1041.7	1039.8	1033.3
5°	964.5	965.5	971.0	984.1	995.2	1009.1	1029.6	1034.2	1044.5	1050.0	1046.3
7.5°	915.3	916.2	924.6	945.0	966.4	994.3	1027.7	1037.0	1057.5	1072.3	1073.3
10°	896.7	895.8	904.1	927.4	955.3	994.3	1042.6	1054.7	1085.3	1111.4	1116.0
12.5°	902.3	901.4	909.7	931.1	961.8	1011.0	1068.6	1085.3	1124.4	1164.3	1172.7
15°	924.6	923.7	929.2	946.9	980.3	1031.4	1102.1	1127.2	1176.4	1224.7	1237.7
17.5°	991.5	986.8	981.3	983.1	1002.6	1055.6	1144.8	1175.5	1236.8	1294.4	1305.6
20°	1110.4	1098.4	1083.5	1064.0	1054.7	1090.9	1194.1	1229.4	1303.7	1369.7	1371.5
22.5°	1289.8	1285.1	1250.7	1194.1	1154.1	1155.0	1251.7	1292.6	1383.6	1456.1	1445.9
25°	1539.7	1537.0	1484.0	1391.1	1287.0	1251.7	1325.1	1366.9	1478.4	1555.5	1523.0
27.5°	1850.1	1830.6	1768.3	1642.9	1487.7	1377.1	1418.0	1455.2	1578.8	1651.2	1589.9
30°	2120.5	2121.4	2062.9	1931.9	1757.2	1565.8	1531.4	1563.9	1670.8	1747.0	1672.6
32.5°	2380.7	2389.1	2324.9	2206.9	2015.5	1812.0	1694.0	1699.6	1788.8	1871.5	1781.3
35°	2622.3	2628.8	2584.2	2483.8	2305.4	2069.4	1920.7	1917.9	1966.3	2050.8	1932.8
37.5°	2892.7	2899.2	2855.5	2765.4	2598.1	2364.0	2178.1	2174.4	2193.9	2262.7	2127.9
40°	3180.8	3192.8	3144.5	3068.3	2908.5	2710.6	2477.3	2443.9	2424.4	2505.2	2380.7
42.5°	3472.5	3491.1	3474.4	3398.2	3261.6	3098.1	2865.8	2813.7	2771.9	2873.2	2741.2
45°	3834.9	3857.3	3849.8	3791.3	3685.3	3552.5	3333.2	3272.8	3253.2	3347.1	3190.1
47.5°	4183.4	4207.6	4234.5	4221.5	4146.2	4084.9	3841.5	3807.1	3801.5	3901.9	3658.4
50°	4442.7	4465.0	4568.1	4642.5	4693.6	4680.6	4469.6	4418.5	4410.1	4474.3	4152.7
52.5°	4628.5	4649.9	4792.1	5024.4	5212.1	5314.3	5101.5	5090.3	5044.8	5022.5	4615.5
55°	4772.5	4802.3	4951.9	5303.1	5681.3	5908.1	5775.2	5735.2	5618.1	5489.9	5044.8
57.5°	4801.4	4813.4	5024.4	5498.3	6045.6	6412.6	6412.6	6343.0	6117.1	5939.7	5541.0
60°	4543.0	4580.2	4865.5	5482.5	6201.7	6742.5	6941.4	6893.1	6588.3	6369.9	6018.6
62.5°	3969.7	4011.5	4359.0	5104.3	6045.6	6810.4	7341.9	7334.4	6990.6	6725.8	6414.5
65°	3044.2	3074.8	3377.8	4269.8	5385.8	6549.2	7628.1	7648.5	7308.4	6960.9	6551.1
67.5°	1529.5	1550.9	1878.0	2916.9	4268.9	5797.5	7608.6	7699.6	7405.1	6836.4	6029.8
70°	534.3	555.7	709.9	1251.7	2598.1	4426.9	6950.7	7099.3	6837.3	5835.6	4448.2
72.5°	183.1	193.3	294.6	464.6	1011.0	2624.2	5285.5	5509.4	5040.2	3917.7	2556.3
75°	104.1	110.6	158.0	251.8	423.7	863.3	2998.6	3136.2	2938.2	2135.4	1051.9
77.5°	70.6	76.2	98.5	143.1	234.2	277.8	1222.9	1539.7	1342.7	696.9	268.5
80°	41.8	45.5	60.4	84.6	119.9	107.8	262.0	348.5	448.8	208.1	80.8
82.5°	19.5	22.3	39.0	55.8	60.4	45.5	77.1	93.9	126.4	102.2	33.5
85°	0.0	0.0	13.0	23.2	22.3	13.0	21.4	23.2	34.4	51.1	13.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.9	2.8	5.6	10.2	5.6
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: P635088

CATALOG NUMBER: GWS-SA3D-722-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0
2.5°	1040.7	1034.2	1041.7	1038.0	1041.7	1040.7	1033.3	1028.7	1028.7	1020.3	1017.5
5°	1053.8	1047.2	1049.1	1040.7	1038.9	1034.2	1024.9	1021.2	1021.2	1012.9	1010.1
7.5°	1082.6	1072.3	1070.5	1053.8	1046.3	1033.3	1016.6	1010.1	1009.1	1000.8	998.0
10°	1128.1	1116.0	1107.6	1086.3	1064.9	1038.9	1003.6	973.8	957.1	934.8	933.0
12.5°	1183.8	1169.0	1156.0	1123.4	1088.1	1029.6	925.5	816.8	749.9	696.9	700.6
15°	1246.1	1232.2	1211.7	1162.5	1090.0	937.6	720.2	552.9	471.1	427.4	425.6
17.5°	1313.9	1293.5	1260.0	1193.1	1031.4	716.4	468.3	330.8	288.1	273.2	269.5
20°	1377.1	1352.0	1310.2	1199.6	862.3	485.1	292.7	256.5	249.0	244.4	244.4
22.5°	1444.0	1412.4	1350.2	1149.5	641.2	310.4	249.0	240.7	235.1	228.6	227.7
25°	1511.9	1471.0	1386.4	1018.4	420.0	244.4	233.2	223.9	213.7	203.5	200.7
27.5°	1569.5	1516.5	1414.3	823.3	269.5	220.2	212.8	197.0	183.1	171.9	170.0
30°	1638.2	1570.4	1426.4	602.1	211.9	194.2	183.1	166.3	149.6	138.5	134.7
32.5°	1730.2	1655.9	1407.8	392.1	187.7	171.0	153.3	133.8	117.1	105.0	103.1
35°	1873.3	1785.1	1322.3	250.0	170.0	147.7	126.4	105.9	92.0	82.7	80.8
37.5°	2048.0	1966.3	1182.0	187.7	152.4	128.2	103.1	83.6	73.4	66.9	65.0
40°	2307.3	2193.0	1008.2	164.5	134.7	108.7	84.6	68.8	61.3	55.8	53.9
42.5°	2643.7	2460.6	808.4	149.6	118.0	91.1	68.8	56.7	50.2	46.5	45.5
45°	3036.7	2721.7	597.5	134.7	102.2	75.3	56.7	46.5	41.8	39.0	38.1
47.5°	3439.1	2950.3	412.6	118.9	87.3	62.3	47.4	40.0	36.2	32.5	31.6
50°	3868.4	3143.6	281.6	103.1	74.3	51.1	40.9	36.2	31.6	28.8	27.9
52.5°	4183.4	3215.1	196.1	89.2	63.2	43.7	36.2	32.5	28.8	25.1	24.2
55°	4474.3	3213.3	148.7	75.3	53.9	38.1	32.5	28.8	25.1	22.3	21.4
57.5°	4764.2	3188.2	117.1	64.1	46.5	34.4	28.8	25.1	23.2	19.5	18.6
60°	4951.9	3093.4	91.1	53.9	40.0	29.7	25.1	22.3	19.5	16.7	15.8
62.5°	5051.3	2961.5	69.7	42.7	32.5	26.0	22.3	19.5	16.7	13.9	13.0
65°	4916.6	2727.3	54.8	33.5	25.1	22.3	18.6	15.8	13.0	10.2	9.3
67.5°	4319.1	2299.9	42.7	26.9	19.5	16.7	15.8	13.0	9.3	7.4	6.5
70°	3052.5	1575.1	33.5	20.4	14.9	13.0	12.1	10.2	7.4	5.6	4.6
72.5°	1675.4	794.5	24.2	14.9	11.2	10.2	9.3	8.4	6.5	4.6	4.6
75°	644.9	218.4	17.7	10.2	7.4	7.4	6.5	6.5	5.6	3.7	3.7
77.5°	168.2	65.0	11.2	6.5	4.6	4.6	4.6	3.7	3.7	2.8	2.8
80°	53.9	21.4	6.5	4.6	3.7	2.8	2.8	1.9	2.8	1.9	1.9
82.5°	17.7	7.4	3.7	3.7	2.8	1.9	1.9	0.9	0.9	0.0	0.0
85°	6.5	3.7	2.8	1.9	1.9	1.9	0.9	0.0	0.0	0.0	0.0
87.5°	3.7	1.9	1.9	1.9	1.9	0.9	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)