

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: P633100

Luminaire Tested: GWS-SA2E-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633100
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-SA2E-722-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8050.7 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

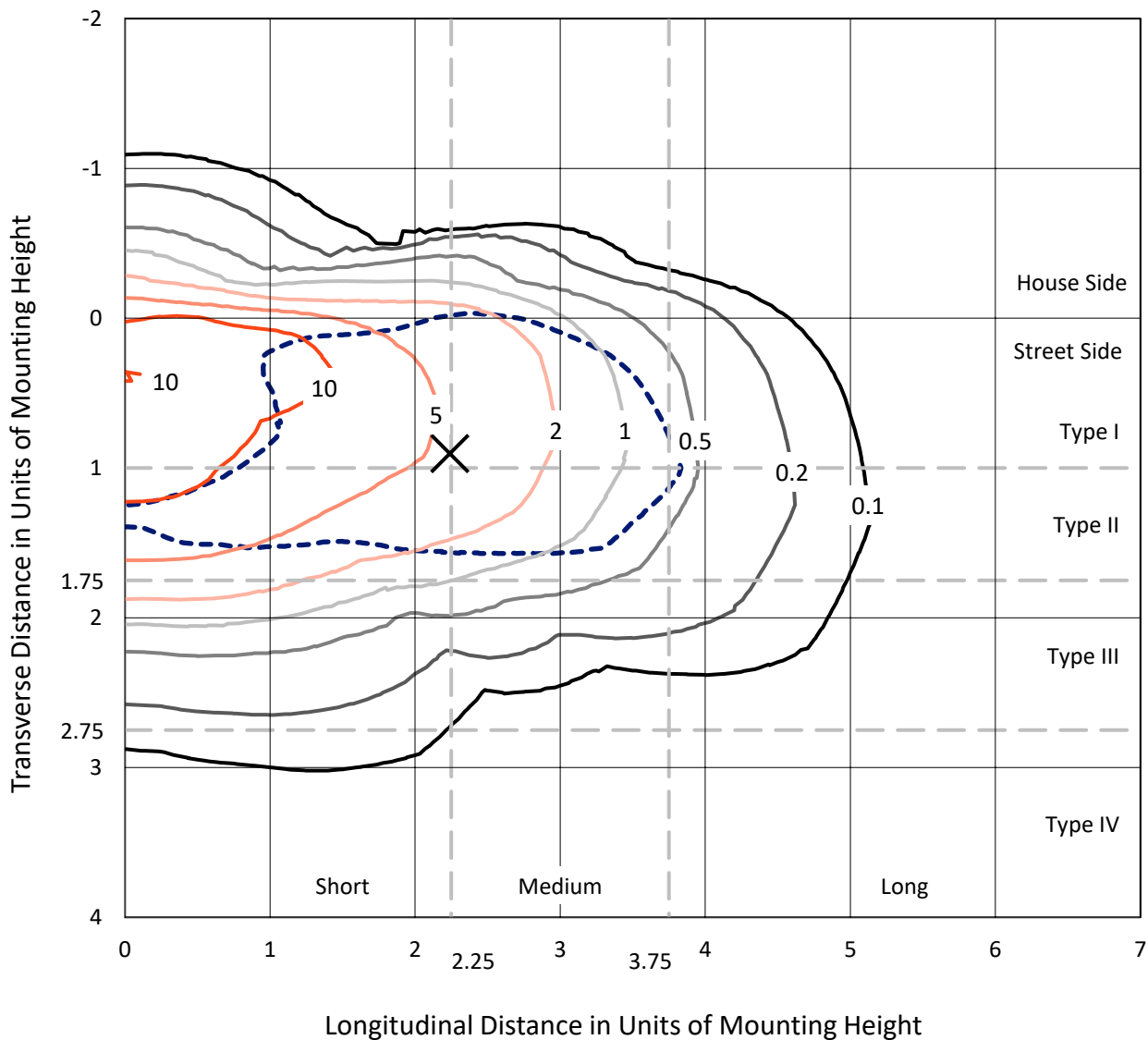
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633100
 CATALOG NUMBER: GWS-SA2E-722-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

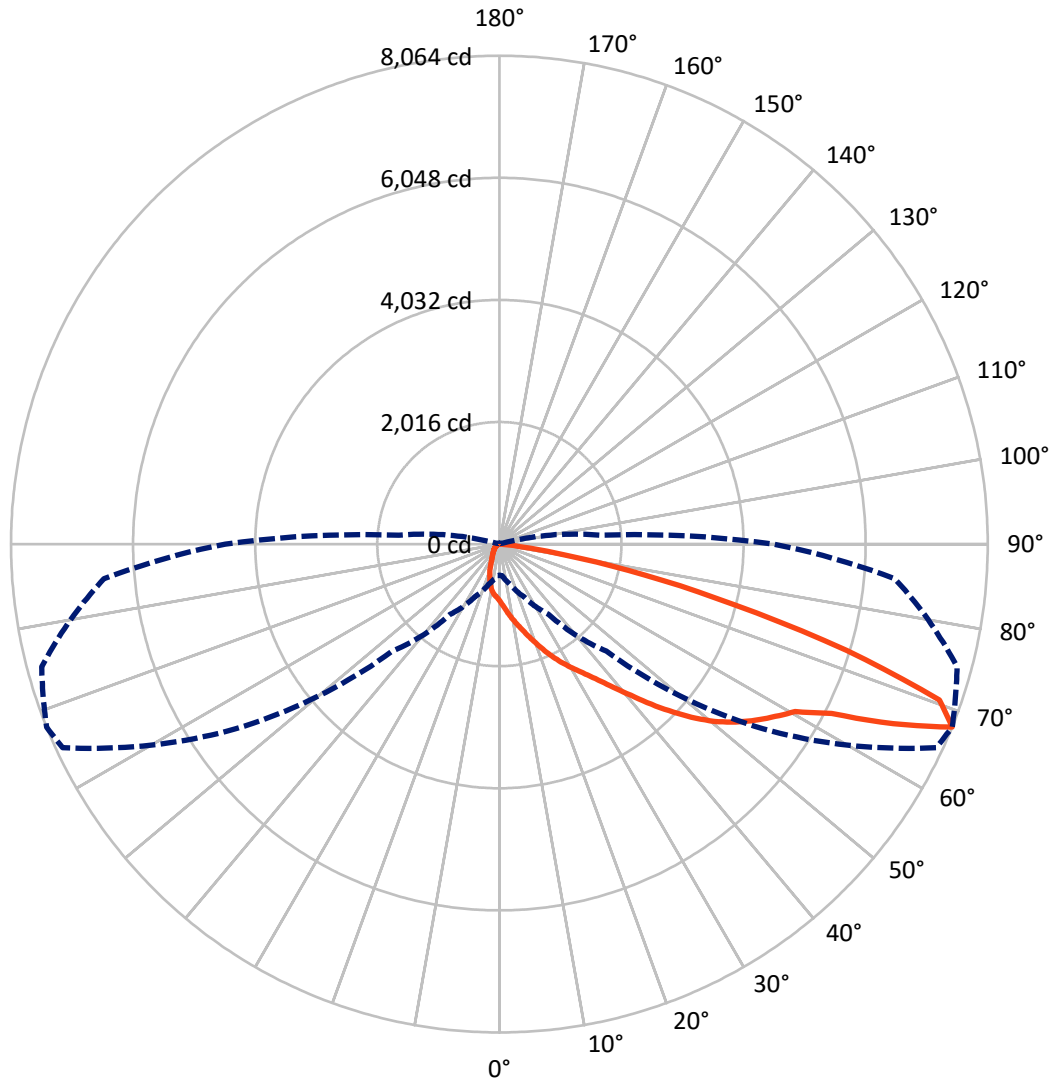
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 fc
 Type II - Short - N/A

REPORT NUMBER: P633100
CATALOG NUMBER: GWS-SA2E-722-U-T2-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633100
 CATALOG NUMBER: GWS-SA2E-722-U-T2-W-HSS

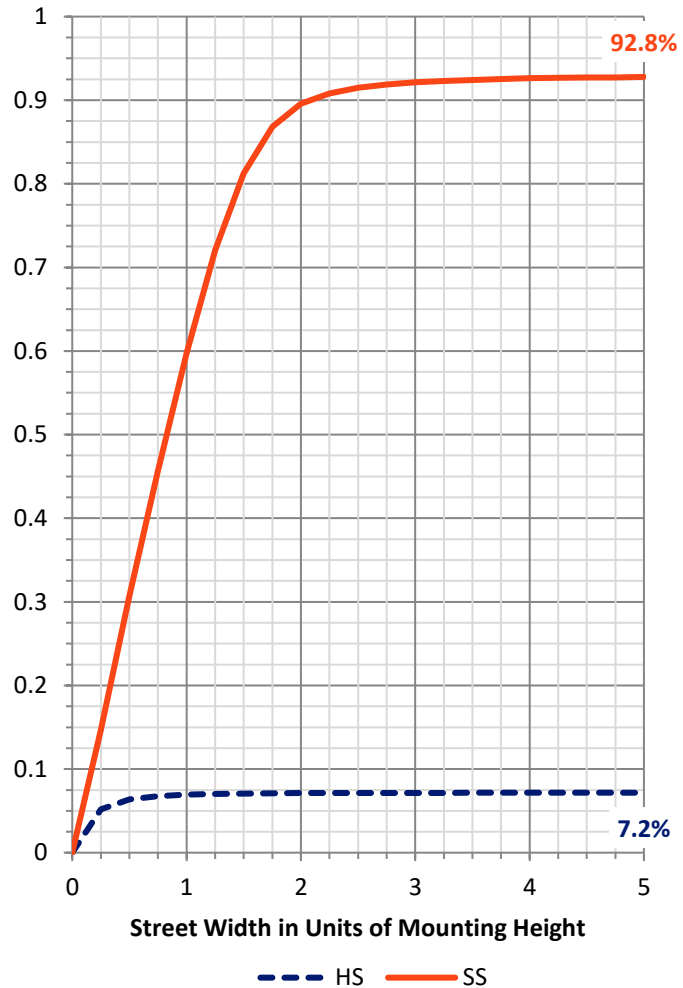
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	581.4	0.0	581.4
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	7469.3	0.0	7469.3
	% Fixture	92.8	0.0	92.8
Total	Lumens	8050.7	0.0	8050.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	1.1
10°-20°	262.4	3.3
20°-30°	450.9	5.6
30°-40°	784.0	9.7
40°-50°	1368.0	17.0
50°-60°	2063.3	25.6
60°-70°	2069.0	25.7
70°-80°	912.8	11.3
80°-90°	48.8	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°	8050.7	100.0
0°-180°	8050.7	100.0

Coefficient of Utilization



REPORT NUMBER: P633100

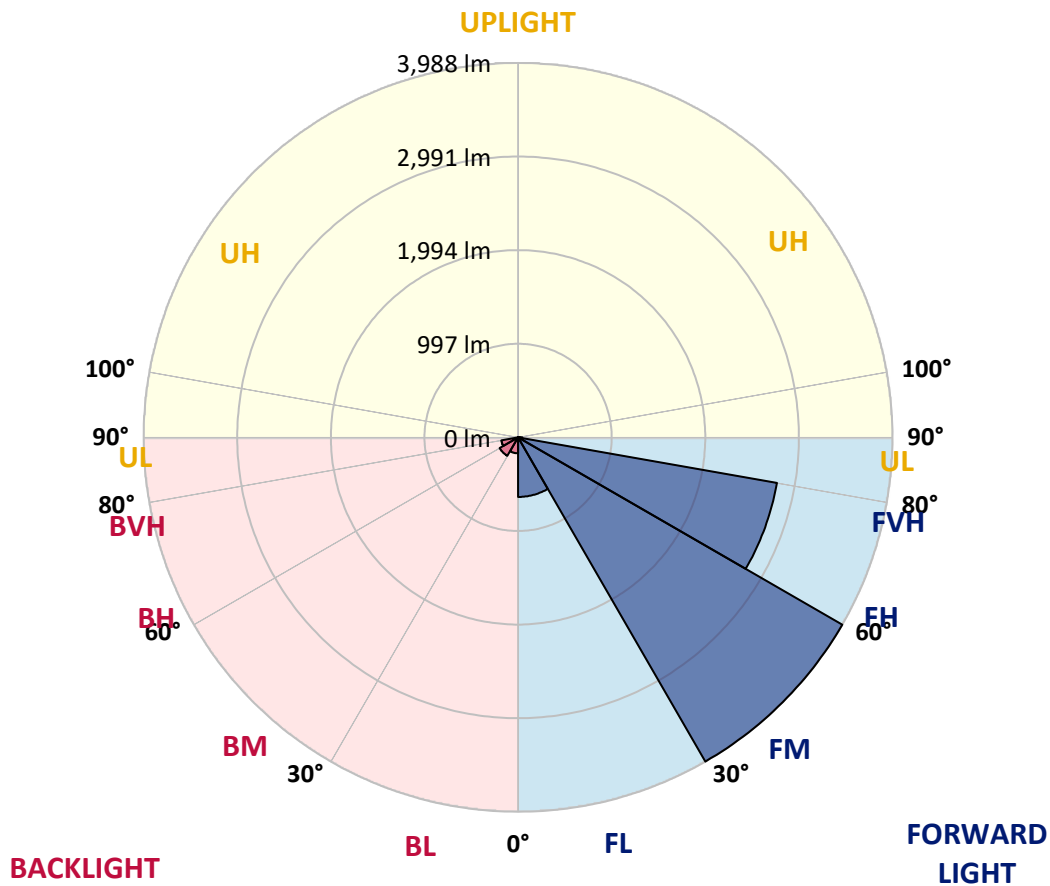
CATALOG NUMBER: GWS-SA2E-722-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	634.6	7.9			
FM (30°-60°)	3988.3	49.5			
FH (60°-80°)	2800.4	34.8			G2/5000
FVH (80°-90°)	46.0	0.6			G1/100
BL (0°-30°)	170.1	2.1	B1/500		
BM (30°-60°)	227.1	2.8	B1/1000		
BH (60°-80°)	181.4	2.3	B1/500		G1/500
BVH (80°-90°)	2.8	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: P633100

CATALOG NUMBER: GWS-SA2E-722-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9
2.5°	1091.0	1097.9	1091.0	1092.5	1072.5	1063.3	1043.2	1015.5	1008.6	990.8	963.9
5°	1224.3	1230.4	1223.5	1222.0	1198.9	1181.9	1148.8	1101.0	1087.1	1052.5	999.3
7.5°	1296.7	1300.6	1302.9	1306.7	1298.2	1284.4	1254.3	1195.0	1180.4	1124.1	1049.4
10°	1304.4	1307.5	1319.1	1342.2	1359.1	1367.6	1350.6	1295.9	1272.8	1218.1	1111.0
12.5°	1282.8	1287.5	1306.0	1344.5	1391.5	1434.6	1445.4	1397.6	1376.8	1306.7	1183.4
15°	1254.3	1258.2	1283.6	1336.0	1406.9	1486.2	1530.9	1510.1	1487.0	1413.8	1263.6
17.5°	1210.4	1215.8	1251.3	1322.1	1413.8	1527.1	1623.4	1630.3	1614.1	1534.8	1352.2
20°	1185.8	1189.6	1221.2	1294.4	1409.2	1557.1	1709.7	1775.2	1757.5	1674.2	1453.9
22.5°	1206.6	1209.6	1230.4	1287.5	1393.8	1574.1	1789.8	1920.0	1910.0	1823.7	1561.0
25°	1316.0	1326.0	1313.7	1323.7	1400.7	1583.3	1854.5	2064.9	2067.2	1980.1	1671.9
27.5°	1537.9	1524.8	1495.5	1445.4	1454.7	1608.0	1910.0	2201.2	2221.3	2132.7	1770.5
30°	1763.6	1755.9	1738.2	1660.4	1595.7	1662.7	1957.0	2340.7	2372.3	2282.9	1858.4
32.5°	2017.1	2024.8	1993.2	1900.0	1789.8	1773.6	2005.5	2473.2	2532.5	2453.2	1961.6
35°	2319.9	2322.2	2259.8	2156.6	2031.7	1957.0	2092.6	2619.6	2729.0	2670.5	2099.5
37.5°	2615.0	2628.9	2595.0	2432.4	2321.4	2185.1	2236.7	2807.6	2961.7	2938.6	2272.9
40°	2876.2	2897.8	2887.0	2729.8	2584.2	2469.4	2460.1	3028.0	3242.9	3269.1	2501.7
42.5°	3084.2	3098.1	3106.6	2994.8	2866.2	2801.4	2736.0	3283.8	3575.0	3682.1	2782.2
45°	3303.8	3308.4	3326.1	3250.6	3138.1	3143.5	3061.9	3594.3	3924.8	4139.8	3104.2
47.5°	3583.5	3598.9	3590.4	3511.1	3409.3	3470.2	3398.6	3914.0	4270.0	4628.2	3434.0
50°	3924.0	3940.2	3932.5	3840.0	3726.8	3752.2	3707.5	4224.5	4602.8	5089.0	3708.3
52.5°	4099.7	4112.8	4208.3	4249.9	4190.6	4028.8	3971.0	4565.8	4884.0	5468.1	3960.2
55°	4014.9	4024.2	4232.2	4407.9	4625.2	4463.4	4236.1	4829.3	5132.1	5763.9	4147.5
57.5°	3663.6	3713.7	3996.5	4293.9	4750.7	4892.5	4666.0	5115.9	5371.0	5969.6	4331.6
60°	2943.2	2940.9	3346.2	3880.1	4505.7	5010.4	5273.1	5503.5	5610.6	6127.6	4578.2
62.5°	1626.5	1641.1	2180.4	2883.9	3824.6	4705.3	5728.5	6173.0	6156.9	6403.4	4964.2
65°	809.8	839.0	1131.8	1651.9	2544.9	3888.6	5807.1	7194.7	7148.5	7052.9	5761.6
67.5°	513.9	525.5	687.3	960.0	1414.6	2499.4	5317.8	7956.7	8063.8	7823.4	6552.9
70°	332.8	352.1	477.7	656.4	853.7	1288.2	3895.5	7462.8	7708.6	7738.6	6059.8
72.5°	181.1	194.9	305.1	468.4	616.4	644.1	2188.1	5600.6	5995.8	6564.4	4740.7
75°	103.2	113.3	167.2	318.2	452.3	392.2	970.0	3749.1	4001.1	4691.4	3397.0
77.5°	62.4	70.9	94.0	154.9	283.5	262.0	366.7	2282.1	2442.4	2799.1	1782.9
80°	28.5	33.9	59.3	85.5	154.9	124.0	140.2	1064.0	1098.7	1148.8	590.2
82.5°	13.1	15.4	27.0	50.9	87.8	71.7	53.9	245.8	345.9	327.5	150.2
85°	1.5	1.5	10.0	20.8	24.7	18.5	22.3	55.5	70.1	98.6	43.1
87.5°	0.0	0.0	0.8	0.8	1.5	2.3	4.6	6.9	10.0	16.2	10.8
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: P633100

CATALOG NUMBER: GWS-SA2E-722-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9	936.9
2.5°	951.5	930.0	910.7	882.2	862.9	841.4	826.7	809.0	802.1	796.7	789.0
5°	973.1	938.4	891.4	839.0	795.9	755.1	717.3	692.7	671.1	668.0	657.2
7.5°	1008.6	956.9	877.6	792.0	718.9	651.1	597.9	554.7	533.2	526.2	513.9
10°	1055.5	984.7	856.8	725.8	620.2	539.3	479.2	430.7	396.8	384.5	375.2
12.5°	1107.9	1010.1	823.6	644.1	523.9	431.5	355.2	303.6	282.0	274.3	267.4
15°	1168.0	1034.0	771.2	562.4	429.9	317.4	263.5	241.2	231.9	229.6	227.3
17.5°	1225.8	1049.4	708.8	477.7	330.5	246.6	221.1	212.7	210.3	208.0	206.5
20°	1291.3	1060.2	635.6	397.6	256.6	208.8	196.5	190.3	185.7	181.1	180.3
22.5°	1358.3	1060.2	556.3	319.0	215.0	187.2	173.4	161.8	153.3	148.7	147.2
25°	1422.3	1045.5	477.7	255.0	189.5	166.4	148.7	135.6	124.0	118.7	117.1
27.5°	1467.8	1007.8	409.1	215.7	171.8	147.9	126.4	111.7	102.5	97.1	96.3
30°	1496.3	951.5	345.9	192.6	156.4	128.7	107.1	94.8	87.8	84.0	82.4
32.5°	1517.8	882.2	289.7	176.4	141.8	111.7	93.2	83.2	77.0	74.0	73.2
35°	1561.0	816.7	248.1	161.8	126.4	97.9	81.7	74.0	69.3	65.5	64.7
37.5°	1621.1	762.0	215.0	148.7	111.7	87.1	74.0	67.0	63.2	59.3	58.6
40°	1709.7	727.3	190.3	135.6	98.6	78.6	67.8	61.6	56.2	52.4	51.6
42.5°	1846.1	711.1	174.1	122.5	87.1	70.9	62.4	54.7	49.3	45.5	44.7
45°	2008.6	719.6	160.3	109.4	79.4	65.5	55.5	47.8	42.4	38.5	37.8
47.5°	2182.8	749.7	148.7	97.1	71.7	60.1	49.3	40.8	36.2	32.4	31.6
50°	2364.6	799.0	138.7	85.5	65.5	53.9	42.4	35.4	30.8	27.7	27.0
52.5°	2522.5	866.0	128.7	77.0	60.1	47.8	37.0	30.8	26.2	23.1	22.3
55°	2673.5	929.2	121.0	69.3	53.9	41.6	32.4	26.2	22.3	19.3	18.5
57.5°	2837.7	996.2	111.7	62.4	48.5	37.0	28.5	22.3	19.3	16.2	15.4
60°	3076.5	1095.6	97.9	57.0	42.4	32.4	24.7	20.0	17.0	13.1	12.3
62.5°	3420.9	1276.7	82.4	49.3	36.2	27.7	20.8	17.0	13.9	10.8	9.2
65°	4065.0	1584.9	67.8	40.8	29.3	23.1	17.7	13.9	10.8	7.7	6.9
67.5°	4528.8	1665.0	54.7	33.1	23.9	17.7	14.6	10.8	7.7	5.4	4.6
70°	3959.5	1195.8	42.4	27.0	20.0	13.9	11.6	8.5	5.4	3.9	3.1
72.5°	2983.3	781.3	31.6	20.8	15.4	11.6	8.5	6.9	4.6	3.1	2.3
75°	2102.6	451.5	23.1	15.4	10.8	8.5	6.9	5.4	3.9	2.3	2.3
77.5°	1077.9	186.5	16.2	10.8	7.7	5.4	4.6	3.1	3.1	2.3	1.5
80°	327.5	61.6	9.2	6.9	5.4	3.9	2.3	2.3	2.3	1.5	0.8
82.5°	74.7	20.0	5.4	5.4	3.9	3.1	2.3	0.8	0.8	0.0	0.0
85°	19.3	6.2	4.6	3.9	3.9	3.1	1.5	0.8	0.0	0.0	0.0
87.5°	6.9	3.9	3.9	3.9	3.1	2.3	1.5	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)