

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: P628925

Luminaire Tested: GWS-SA1A-750-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2560.2 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

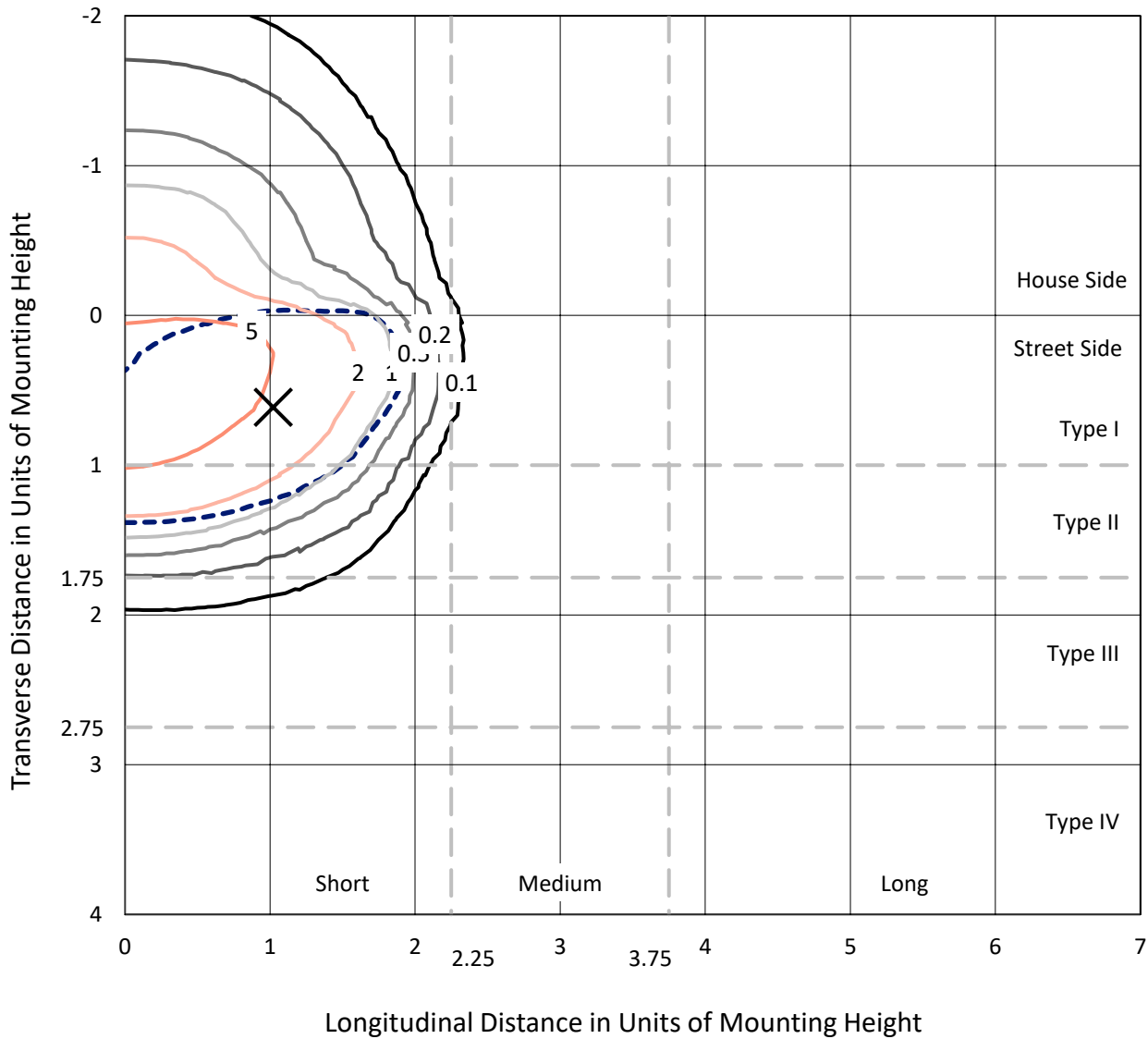
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628925
 CATALOG NUMBER: GWS-SA1A-750-U-T2R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

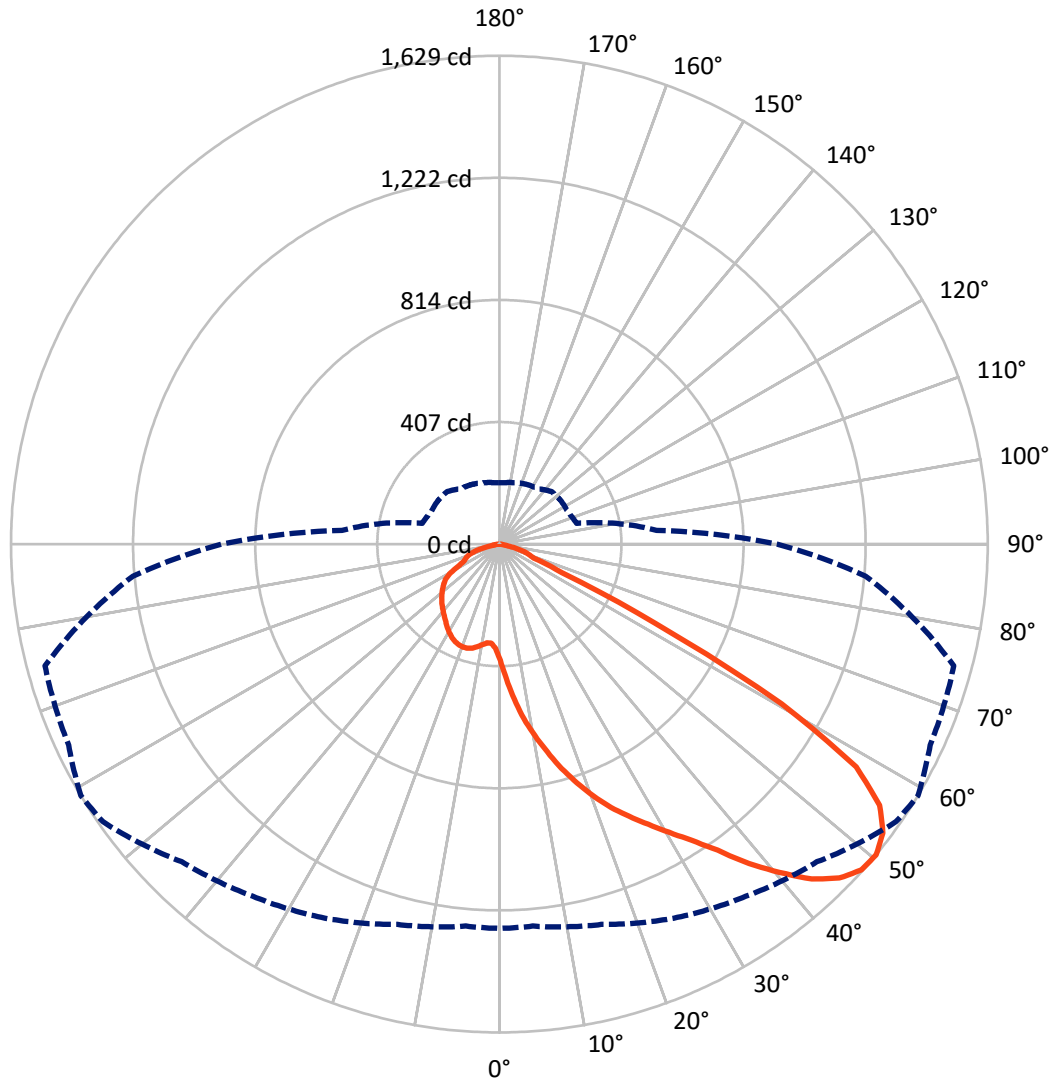
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

REPORT NUMBER: P628925
CATALOG NUMBER: GWS-SA1A-750-U-T2R-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P628925

CATALOG NUMBER: GWS-SA1A-750-U-T2R-W-GRSWH

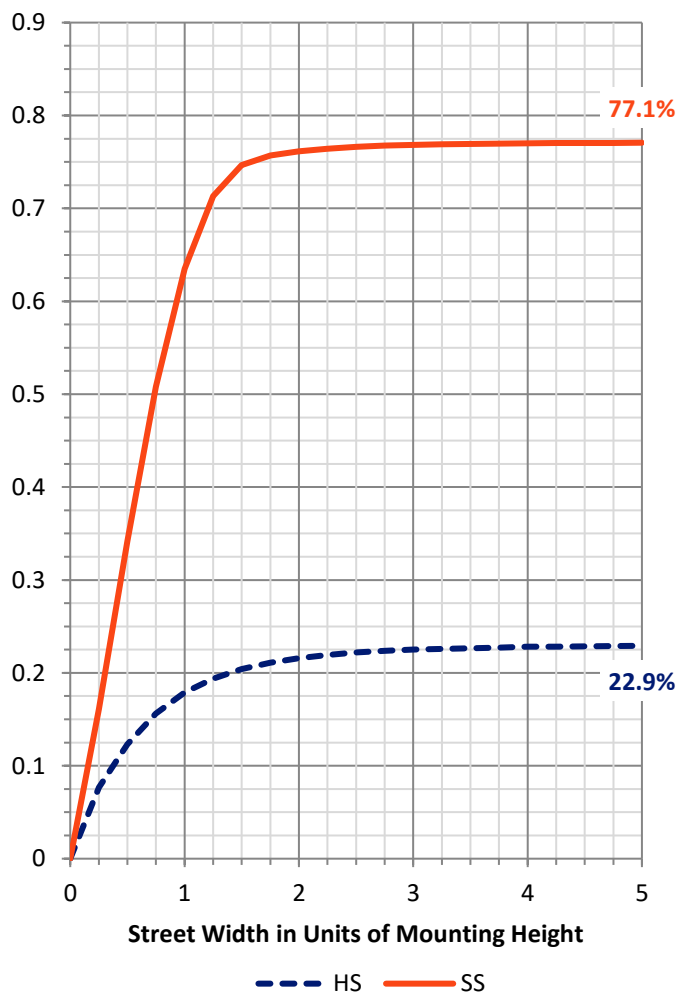
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	588.9	0.0	588.9
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	1971.3	0.0	1971.3
	% Fixture	77.0	0.0	77.0
Total	Lumens	2560.2	0.0	2560.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	1.7
10°-20°	158.0	6.2
20°-30°	299.1	11.7
30°-40°	496.0	19.4
40°-50°	677.6	26.5
50°-60°	615.1	24.0
60°-70°	204.8	8.0
70°-80°	59.7	2.3
80°-90°	6.3	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°	2560.2	100.0
0°-180°	2560.2	100.0

Coefficient of Utilization



REPORT NUMBER: P628925

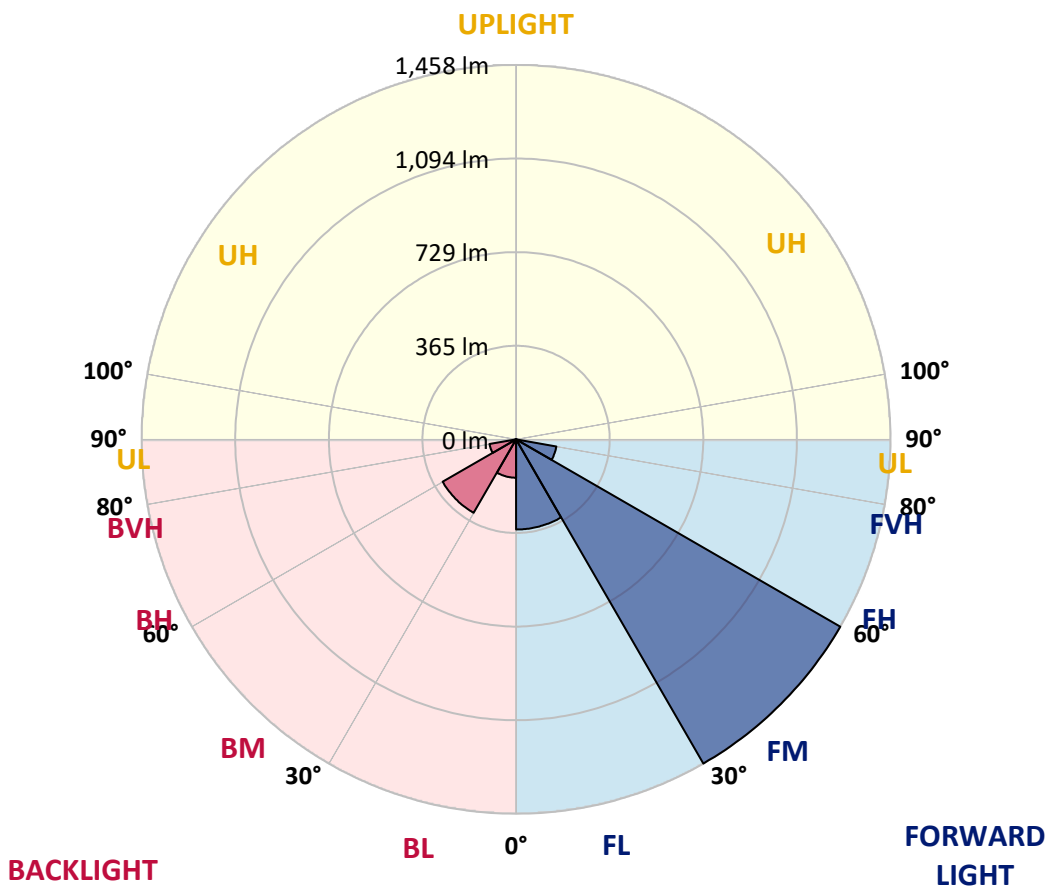
CATALOG NUMBER: GWS-SA1A-750-U-T2R-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	351.1	13.7			
FM (30°-60°)	1458.3	57.0			
FH (60°-80°)	159.5	6.2			G0/660
FVH (80°-90°)	2.5	0.1			G0/10
BL (0°-30°)	149.5	5.8	B1/500		
BM (30°-60°)	330.4	12.9	B1/1000		
BH (60°-80°)	105.1	4.1	B0/110		G0/110
BVH (80°-90°)	3.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type II Short





REPORT NUMBER: P628925

CATALOG NUMBER: GWS-SA1A-750-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9
2.5°	502.6	506.3	500.5	500.9	486.3	479.6	460.9	449.8	442.5	422.1	403.5
5°	603.9	599.6	595.0	592.3	579.5	561.6	538.2	519.7	502.6	462.5	424.0
7.5°	666.1	663.8	660.7	659.0	646.5	627.7	604.4	588.5	563.7	509.5	448.8
10°	718.8	716.1	714.3	715.5	705.3	693.2	667.8	649.6	621.7	559.1	478.8
12.5°	759.7	761.2	761.8	768.5	764.1	756.8	730.5	711.3	680.3	611.4	514.1
15°	792.0	791.6	798.9	811.6	818.7	814.1	793.1	777.0	739.1	663.0	552.0
17.5°	799.6	800.0	811.4	833.8	856.9	868.2	856.3	837.1	799.6	713.8	591.4
20°	805.6	806.4	818.3	843.8	877.5	909.0	910.9	897.1	864.8	768.9	631.5
22.5°	843.8	845.6	848.8	864.8	895.3	935.1	957.0	954.1	927.0	826.7	674.6
25°	944.1	938.4	923.2	918.6	930.3	962.6	1000.0	1005.6	992.2	890.3	721.1
27.5°	1067.9	1061.9	1039.4	1015.6	990.4	1001.6	1041.5	1058.4	1058.6	960.3	767.9
30°	1180.3	1175.6	1157.2	1123.2	1079.6	1063.4	1092.8	1115.5	1129.0	1041.3	821.0
32.5°	1276.5	1272.1	1247.3	1219.6	1177.0	1144.3	1154.9	1176.8	1208.5	1145.9	887.1
35°	1357.4	1353.0	1329.2	1301.3	1261.9	1242.3	1238.5	1253.5	1294.6	1255.2	963.0
37.5°	1423.1	1418.7	1393.9	1367.6	1337.6	1338.8	1344.5	1351.8	1375.3	1372.2	1044.2
40°	1465.6	1461.0	1443.3	1424.6	1405.6	1420.6	1448.5	1439.8	1452.3	1466.7	1118.8
42.5°	1484.6	1478.8	1468.6	1464.4	1458.5	1481.9	1535.7	1526.9	1511.9	1529.7	1174.3
45°	1465.6	1460.6	1460.4	1473.1	1486.7	1516.7	1596.0	1588.9	1550.9	1560.1	1207.5
47.5°	1407.5	1403.1	1415.0	1448.3	1481.7	1525.5	1622.9	1624.1	1578.7	1572.8	1228.9
50°	1281.7	1278.8	1313.2	1376.4	1433.9	1498.2	1614.3	1628.7	1585.3	1568.9	1226.2
52.5°	1026.0	1039.6	1114.4	1220.0	1331.8	1450.2	1582.6	1601.4	1553.2	1542.8	1211.6
55°	702.4	708.6	783.5	937.6	1114.9	1346.3	1509.8	1538.8	1515.3	1538.4	1226.9
57.5°	363.7	368.7	427.7	564.5	756.2	1064.0	1307.8	1402.9	1438.7	1560.5	1274.2
60°	149.3	153.5	177.9	244.0	381.4	619.6	941.2	1082.1	1166.4	1425.2	1131.5
62.5°	108.4	110.5	122.2	145.6	199.8	303.6	532.6	584.5	643.8	893.2	718.4
65°	91.3	93.6	103.0	117.2	145.8	186.2	227.5	228.8	252.1	363.9	266.3
67.5°	76.5	78.6	87.0	99.1	117.8	132.2	122.2	122.4	122.0	132.0	127.6
70°	59.6	61.3	69.7	82.6	92.4	84.9	95.5	105.7	101.4	105.3	111.4
72.5°	43.6	45.5	52.8	62.6	60.1	60.5	77.4	87.8	85.3	89.7	95.3
75°	31.5	32.7	36.5	31.3	32.9	39.8	54.4	60.1	62.6	66.3	71.3
77.5°	10.2	10.2	11.5	14.4	17.9	22.1	27.7	30.0	33.8	38.0	41.5
80°	5.2	5.4	6.5	7.9	10.0	12.7	16.3	17.3	19.2	21.5	22.9
82.5°	2.5	2.7	3.1	4.0	5.2	6.7	9.0	10.0	11.3	12.7	13.8
85°	0.6	0.6	0.8	1.3	1.7	2.5	3.3	4.0	5.0	6.0	6.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.8	1.0	1.3	1.7
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: P628925
 CATALOG NUMBER: GWS-SA1A-750-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9
2.5°	395.2	383.5	368.5	355.8	344.1	335.1	327.4	323.7	320.1	317.6	318.4
5°	406.0	386.0	358.1	338.7	326.8	320.7	316.6	314.5	314.1	312.4	311.8
7.5°	421.9	393.3	356.0	336.4	328.5	325.3	323.0	321.8	322.4	320.7	320.1
10°	441.5	405.4	361.2	343.9	337.0	334.7	332.2	330.5	329.7	327.2	326.8
12.5°	465.9	420.4	370.6	353.5	346.6	342.6	339.3	336.4	334.5	331.4	330.5
15°	492.2	437.1	381.6	362.9	354.7	348.9	343.5	339.1	335.8	331.6	331.0
17.5°	520.7	454.6	390.8	369.3	358.9	351.2	343.3	336.8	332.2	326.8	326.2
20°	550.6	472.3	397.7	372.5	359.1	348.7	338.0	329.5	323.7	318.2	317.8
22.5°	581.4	488.6	401.9	371.6	355.8	342.8	330.1	320.5	313.6	307.2	306.8
25°	612.5	504.3	402.9	368.3	349.1	334.1	321.4	310.1	302.4	295.1	294.3
27.5°	644.0	517.4	400.4	361.6	340.1	323.9	311.1	300.1	292.2	284.9	283.6
30°	677.6	528.7	395.0	352.9	329.7	313.0	300.5	292.2	284.7	277.4	276.1
32.5°	713.4	538.5	387.3	342.2	317.6	302.2	293.0	285.5	278.0	271.5	270.3
35°	756.2	544.9	375.8	328.5	306.3	294.3	288.0	279.2	270.1	263.0	262.3
37.5°	800.4	549.9	362.0	315.3	296.5	289.7	284.5	272.6	261.1	252.5	251.5
40°	843.1	554.1	344.9	303.0	287.6	286.3	279.2	264.4	244.6	235.0	234.2
42.5°	883.0	555.3	327.0	289.9	279.4	278.8	270.9	248.0	232.7	226.7	225.9
45°	910.3	554.3	308.4	277.6	271.3	268.0	259.6	236.1	226.7	221.3	220.2
47.5°	930.5	548.9	287.6	264.6	262.1	257.5	239.6	228.6	219.8	214.4	213.3
50°	927.0	526.4	266.5	252.1	251.1	247.1	225.0	219.2	211.5	205.6	204.8
52.5°	908.6	483.6	245.0	238.4	240.4	232.7	214.6	207.9	201.2	194.6	193.1
55°	913.2	452.7	228.8	225.0	228.8	211.3	202.9	195.8	189.6	183.1	181.8
57.5°	933.2	422.3	211.5	210.6	214.6	194.8	187.9	178.9	170.0	164.7	164.7
60°	783.7	307.8	181.0	183.1	192.1	181.4	175.4	166.2	156.4	151.8	151.8
62.5°	463.4	193.1	150.2	147.9	153.5	160.2	163.5	156.0	144.3	138.3	138.5
65°	204.2	140.6	132.4	130.5	128.9	133.5	142.6	143.3	131.0	123.9	124.1
67.5°	125.8	127.2	123.9	122.4	121.0	120.1	119.3	119.7	116.4	109.9	109.7
70°	113.4	117.4	115.1	113.9	112.0	110.5	105.5	97.4	91.8	90.1	92.0
72.5°	97.6	103.0	101.8	101.1	98.8	95.3	88.6	80.7	74.0	69.9	70.7
75°	73.6	78.0	78.6	78.8	76.3	73.0	66.1	59.4	53.6	49.2	50.3
77.5°	42.3	44.8	45.5	46.1	44.2	43.0	38.4	33.6	30.4	25.9	27.1
80°	23.6	24.6	24.6	24.8	23.8	22.3	19.2	16.5	15.0	12.9	13.1
82.5°	14.2	14.6	14.8	15.0	14.4	12.9	10.6	8.8	7.9	6.9	6.7
85°	6.9	7.3	7.3	7.5	6.5	5.6	4.4	3.3	2.9	2.1	2.3
87.5°	1.7	1.9	1.9	1.7	1.5	1.0	0.6	0.2	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)