

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: P629428

Luminaire Tested: GWS-SA1B-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 3214.2 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

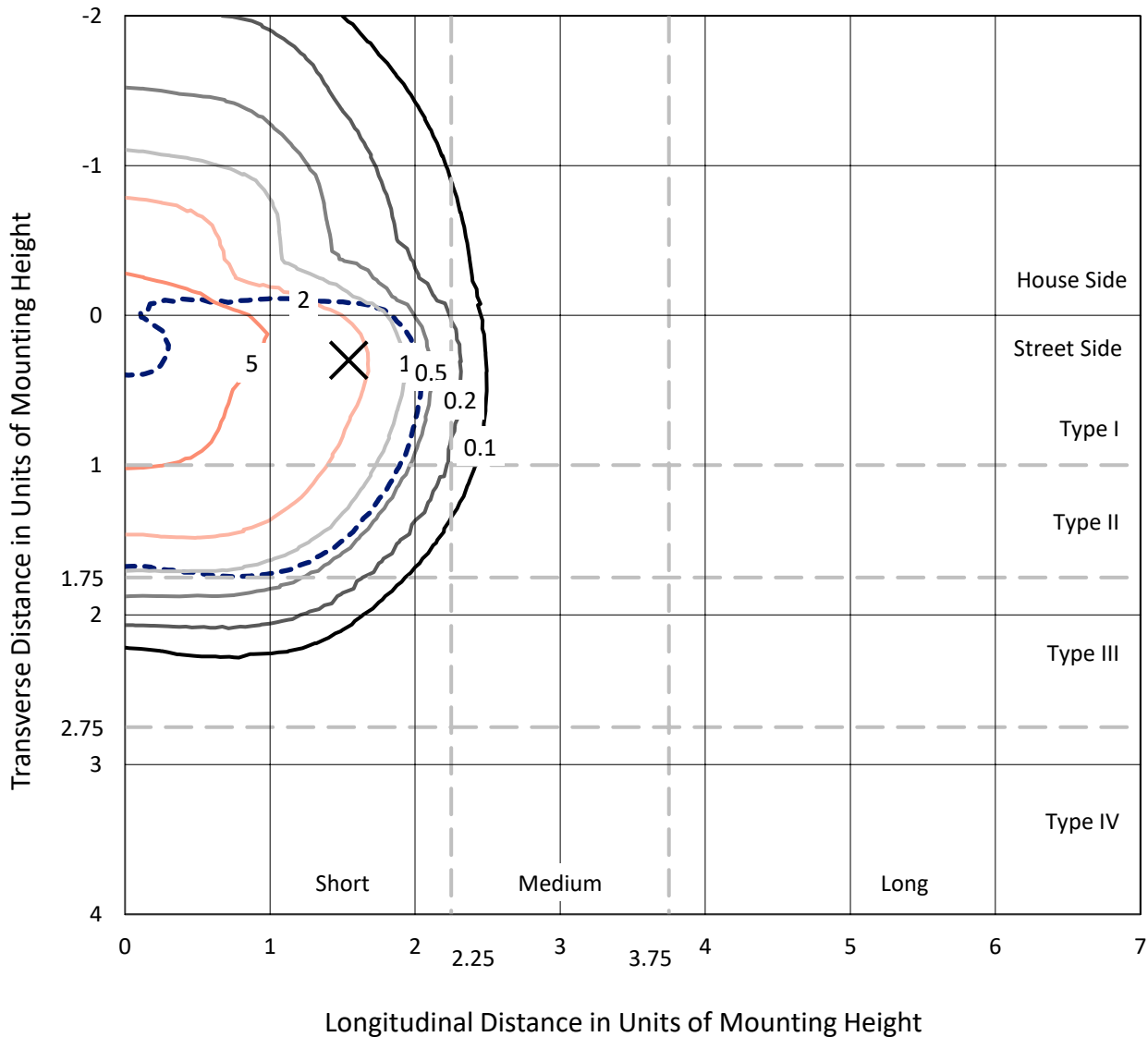
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

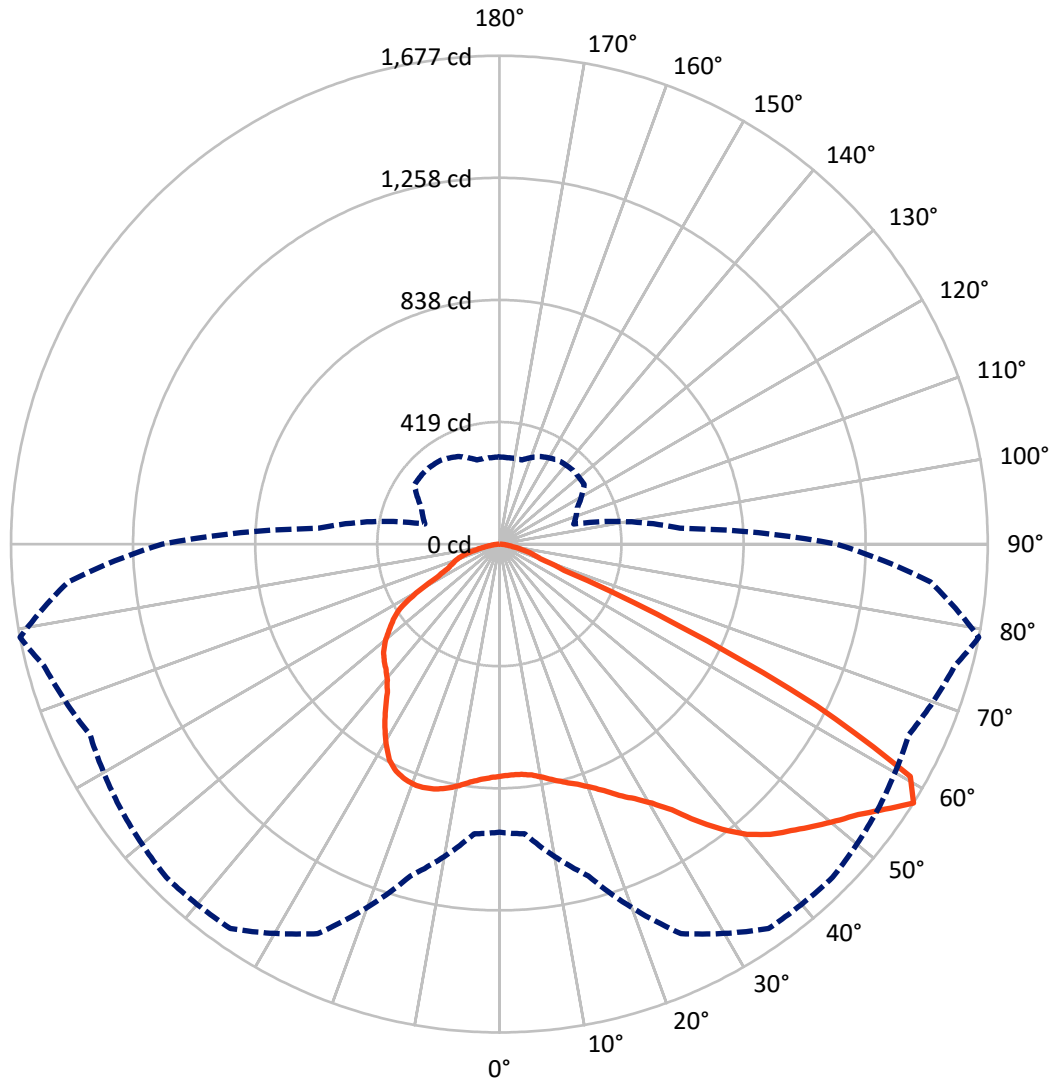
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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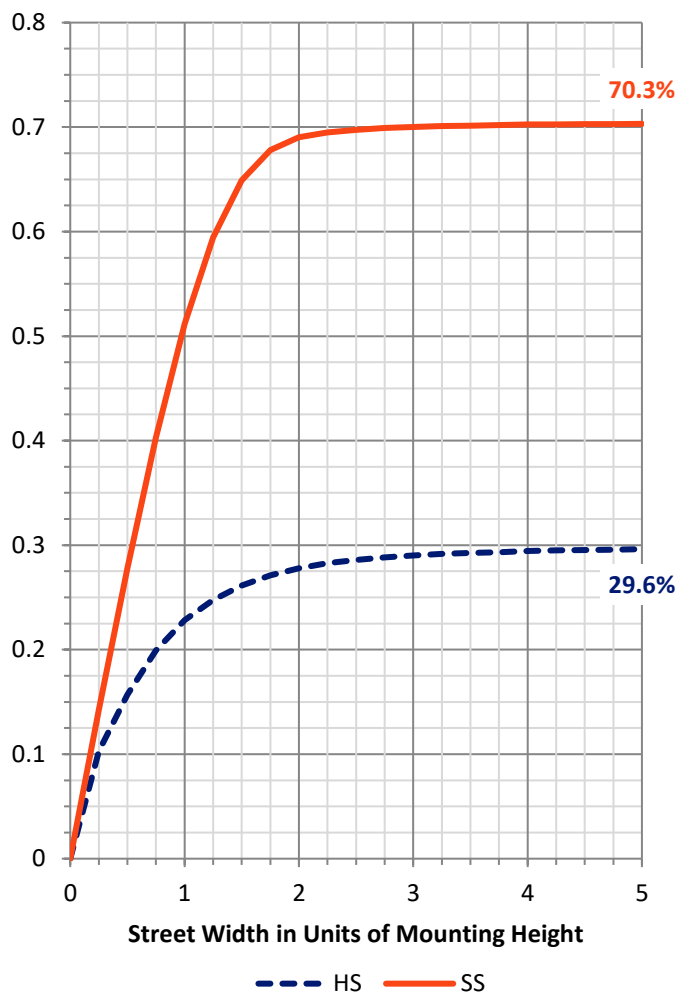
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	955.4	0.0	955.4
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	2258.8	0.0	2258.8
	% Fixture	70.3	0.0	70.3
Total	Lumens	3214.2	0.0	3214.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	2.3
10°-20°	205.0	6.4
20°-30°	347.5	10.8
30°-40°	531.9	16.5
40°-50°	709.2	22.1
50°-60°	819.1	25.5
60°-70°	425.6	13.2
70°-80°	90.5	2.8
80°-90°	11.7	0.4
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°	3214.2	100.0
0°-180°	3214.2	100.0

Coefficient of Utilization



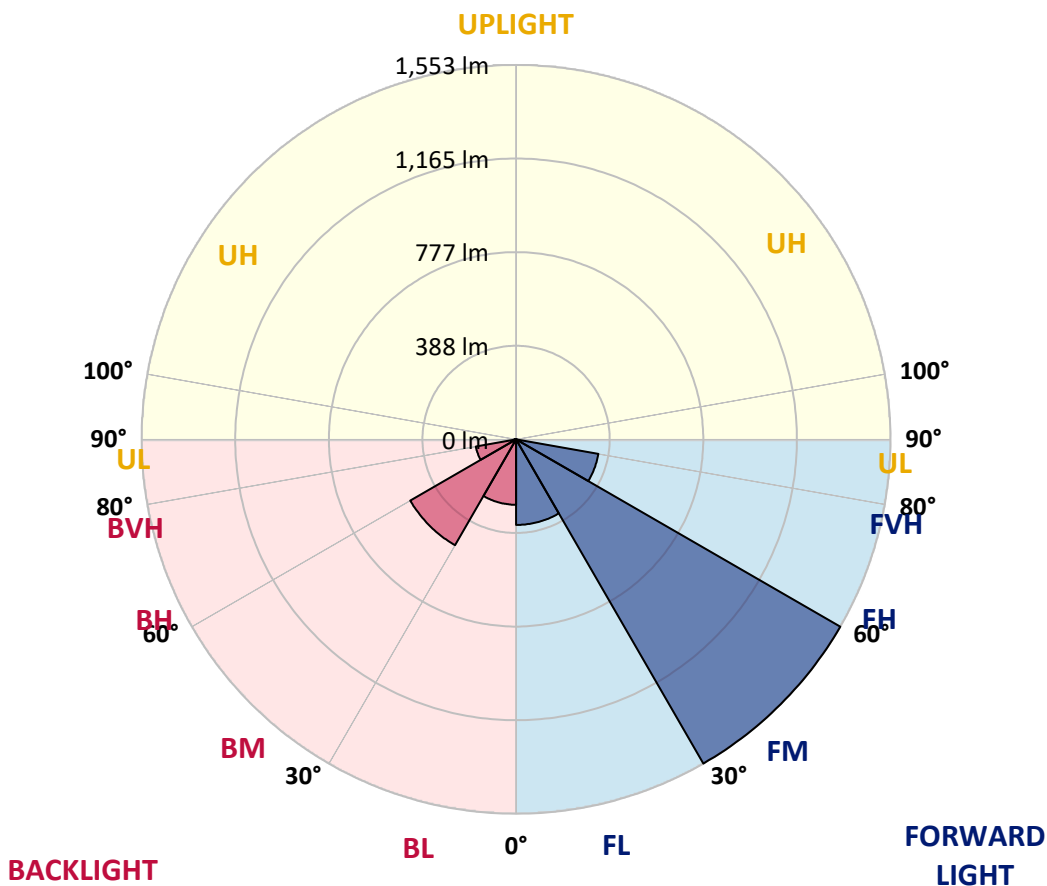
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	354.9	11.0			
FM (30°-60°)	1553.2	48.3			
FH (60°-80°)	346.6	10.8			G0/660
FVH (80°-90°)	4.1	0.1			G0/10
BL (0°-30°)	271.3	8.4	B1/500		
BM (30°-60°)	507.0	15.8	B1/1000		
BH (60°-80°)	169.5	5.3	B1/500		G1/500
BVH (80°-90°)	7.6	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6
2.5°	760.3	758.7	759.2	761.3	769.2	775.0	781.0	786.6	791.8	793.4	794.7
5°	733.2	730.3	731.1	734.5	743.7	753.5	764.2	777.4	790.0	794.2	799.7
7.5°	714.0	713.5	714.8	720.1	729.8	739.0	752.9	771.6	793.4	800.5	810.2
10°	688.5	687.5	692.7	703.5	719.6	734.3	750.8	772.9	803.4	813.9	828.9
12.5°	668.3	667.8	673.3	688.3	708.8	732.2	755.0	779.7	816.8	831.2	849.6
15°	680.1	677.8	678.0	688.5	706.9	734.5	765.5	792.1	830.2	848.6	872.2
17.5°	714.6	710.4	707.2	709.0	719.6	748.2	781.6	808.6	845.7	867.2	896.2
20°	762.1	759.8	751.1	745.3	747.7	772.9	806.8	832.0	865.9	890.1	921.1
22.5°	826.0	820.2	808.4	799.2	792.1	811.8	843.1	864.9	894.1	919.3	951.6
25°	905.1	896.7	878.0	863.6	848.3	868.6	896.4	913.0	932.7	956.1	986.8
27.5°	985.8	978.7	957.9	938.5	919.5	932.2	965.3	974.7	972.6	989.7	1016.0
30°	1071.7	1062.8	1043.1	1022.0	997.6	1005.7	1035.4	1040.2	1017.8	1032.0	1049.9
32.5°	1162.4	1153.7	1136.6	1112.2	1084.6	1087.7	1095.9	1100.4	1079.1	1087.2	1100.9
35°	1254.6	1246.5	1229.1	1204.9	1184.7	1165.5	1145.0	1162.9	1150.5	1166.3	1165.3
37.5°	1339.0	1330.8	1320.1	1301.4	1266.7	1228.9	1181.6	1203.6	1222.8	1242.8	1239.4
40°	1396.0	1390.5	1393.1	1390.2	1345.5	1270.6	1199.4	1223.6	1275.9	1310.1	1308.2
42.5°	1445.1	1439.6	1454.9	1465.9	1413.3	1309.3	1208.1	1231.2	1309.8	1363.2	1360.5
45°	1467.0	1465.4	1490.6	1525.6	1475.4	1350.3	1230.4	1247.0	1335.6	1403.9	1393.9
47.5°	1440.9	1446.5	1496.1	1555.3	1526.9	1398.9	1276.2	1280.4	1369.2	1448.0	1419.9
50°	1389.2	1401.3	1468.3	1556.1	1564.5	1453.8	1339.5	1329.0	1414.4	1495.1	1433.6
52.5°	1313.7	1326.4	1435.7	1550.0	1586.0	1517.4	1423.9	1408.9	1471.4	1542.1	1436.0
55°	1140.6	1157.6	1361.1	1536.3	1607.0	1575.2	1519.0	1488.5	1545.0	1606.8	1459.3
57.5°	989.4	998.4	1179.2	1475.6	1611.2	1617.8	1586.8	1550.5	1618.1	1676.7	1485.6
60°	726.1	728.2	890.9	1221.0	1482.2	1593.1	1581.3	1527.4	1583.4	1620.7	1365.3
62.5°	410.2	410.5	540.3	814.9	1107.2	1298.5	1305.9	1258.3	1211.3	1222.3	950.3
65°	154.0	168.5	246.8	400.5	638.3	766.6	797.1	808.1	729.8	681.2	509.6
67.5°	103.0	106.4	144.0	206.0	284.1	328.0	366.9	367.9	269.1	239.9	200.8
70°	78.6	82.0	113.3	147.4	144.0	133.0	143.8	139.8	144.5	148.5	152.7
72.5°	58.6	62.0	87.8	104.1	86.5	85.1	96.4	107.2	117.2	121.4	128.0
75°	38.9	41.5	59.1	55.7	47.8	56.5	70.4	81.2	87.0	92.0	97.0
77.5°	24.7	26.5	31.5	25.5	26.5	33.1	41.0	50.7	56.2	61.2	63.9
80°	11.3	11.0	10.8	12.1	15.0	19.4	24.7	30.5	34.7	36.8	38.4
82.5°	4.5	5.0	5.5	6.6	8.1	10.5	13.9	17.9	21.3	21.8	23.1
85°	1.8	2.1	2.4	2.9	3.7	4.7	5.8	8.1	10.2	11.0	11.8
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.3	2.4	2.6	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6	796.6
2.5°	801.8	798.4	804.2	808.1	811.8	807.9	806.5	803.1	802.6	802.6	804.4
5°	809.2	806.8	812.8	815.2	814.9	806.3	801.0	794.2	790.8	790.8	791.3
7.5°	822.3	821.0	824.4	820.7	812.3	794.7	777.4	762.9	753.2	748.2	749.8
10°	844.1	842.5	839.7	826.0	801.8	765.3	729.8	703.5	687.8	678.8	679.3
12.5°	865.4	862.8	852.5	822.3	772.6	714.6	668.0	638.6	621.3	610.8	608.4
15°	888.8	882.0	859.9	803.4	725.1	652.5	603.9	572.1	553.5	547.2	546.9
17.5°	911.1	899.0	859.1	769.7	668.0	587.6	538.7	519.0	515.9	518.8	519.6
20°	933.7	914.3	850.4	723.2	600.2	523.0	497.7	505.9	517.7	525.6	527.4
22.5°	957.1	926.9	830.7	663.3	528.8	479.4	489.9	507.7	522.5	533.0	534.0
25°	983.4	938.7	801.3	590.0	471.5	467.3	488.0	506.9	522.7	534.8	536.9
27.5°	998.4	939.0	760.0	514.6	445.2	462.5	483.6	501.4	517.2	530.3	532.7
30°	1013.1	931.9	694.6	453.3	437.6	457.0	475.9	492.5	507.5	520.3	523.2
32.5°	1033.9	925.3	619.2	418.1	433.1	451.8	467.3	482.0	493.5	499.3	500.9
35°	1059.6	916.9	539.0	402.9	430.2	447.6	461.2	469.1	454.1	451.0	454.4
37.5°	1095.6	909.0	459.1	396.3	428.4	446.0	458.1	437.8	419.4	412.1	414.7
40°	1134.5	904.6	405.0	391.0	429.2	447.6	444.9	415.0	388.4	372.9	372.4
42.5°	1167.6	897.7	370.3	387.6	431.3	453.6	427.1	394.7	355.3	346.1	346.4
45°	1190.0	880.4	351.9	384.0	433.1	454.9	418.6	366.9	338.8	333.0	332.7
47.5°	1199.2	848.9	340.1	378.2	432.8	444.1	401.6	355.3	327.2	325.6	326.7
50°	1193.1	797.1	328.0	366.9	426.5	432.8	381.9	345.1	319.3	328.0	334.3
52.5°	1170.8	730.1	313.5	351.4	415.2	420.0	371.9	338.8	313.5	325.1	330.1
55°	1165.0	675.7	295.1	331.1	398.4	397.1	361.4	335.6	309.6	305.1	305.9
57.5°	1157.4	622.6	264.6	294.9	355.8	357.9	351.4	331.9	299.3	298.0	299.3
60°	1005.5	477.2	236.0	254.4	292.2	303.5	340.1	325.1	282.8	277.3	277.0
62.5°	656.7	289.1	210.0	221.8	238.1	251.2	310.1	305.4	264.6	261.2	263.6
65°	353.2	206.0	191.1	198.2	207.1	217.1	257.0	272.0	239.1	227.1	227.3
67.5°	180.5	175.3	176.9	181.9	188.7	193.7	207.4	220.5	203.9	193.7	193.4
70°	154.5	158.7	161.1	164.0	168.5	167.7	169.0	171.3	170.0	165.0	164.8
72.5°	131.7	138.2	138.8	139.3	140.9	137.2	134.8	130.9	131.1	131.9	132.2
75°	100.1	106.4	108.0	107.2	108.8	104.1	100.9	97.0	92.2	91.5	92.0
77.5°	65.2	70.2	72.5	72.0	72.8	69.1	67.5	63.3	57.8	55.7	55.7
80°	39.4	42.3	44.2	44.7	45.5	42.8	40.2	36.5	34.2	31.8	31.8
82.5°	23.9	25.8	27.1	27.1	27.9	25.0	22.9	20.2	19.2	17.1	17.1
85°	12.1	13.4	13.9	13.7	13.1	10.8	10.0	8.7	8.1	7.1	7.1
87.5°	2.9	3.7	3.7	2.6	2.6	1.3	0.8	0.3	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)