

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: P629397

Luminaire Tested: GWS-SA1B-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR 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: 3122.5 lumens
Efficiency: N/A
Efficacy: 124.9 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

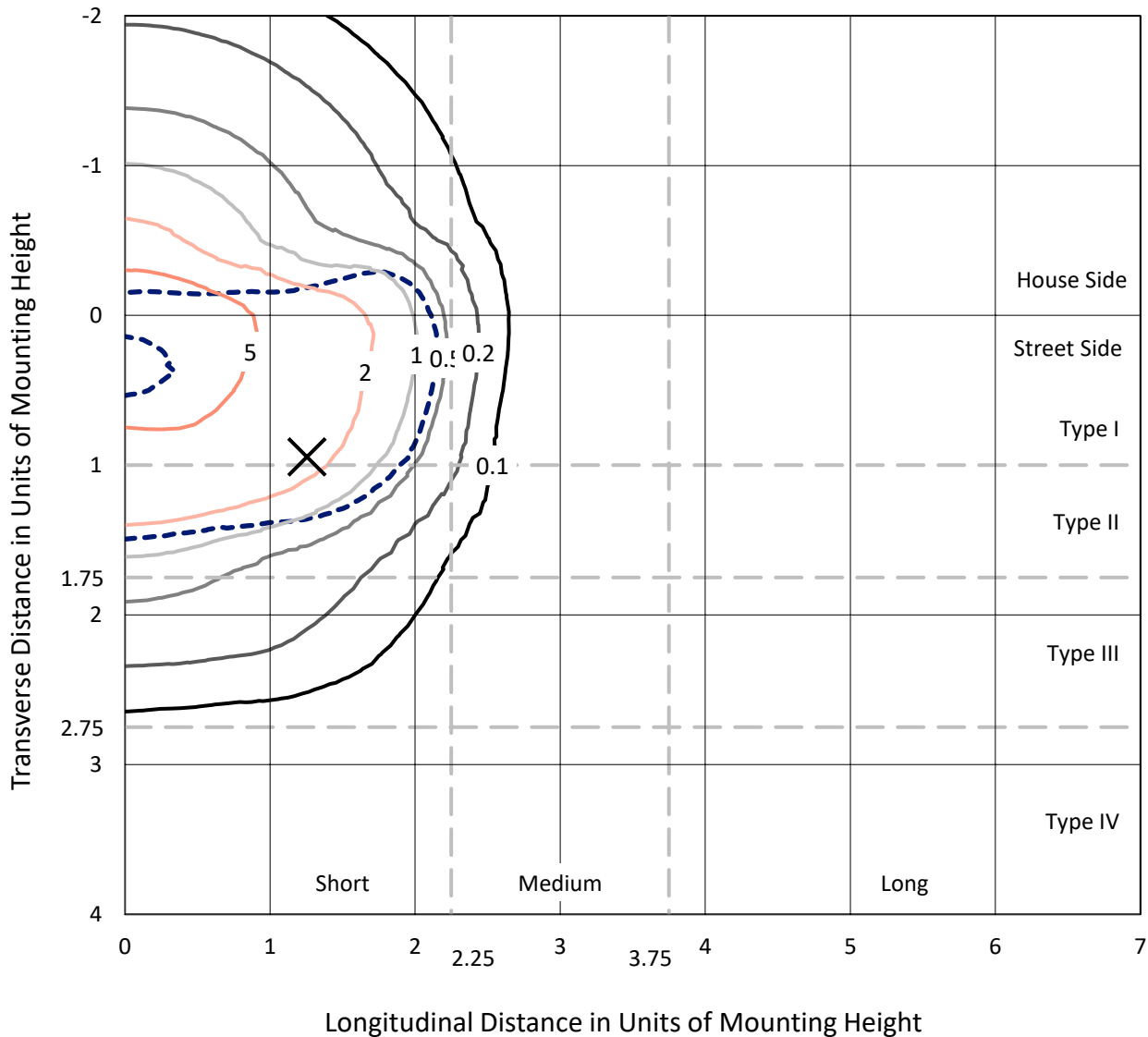
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

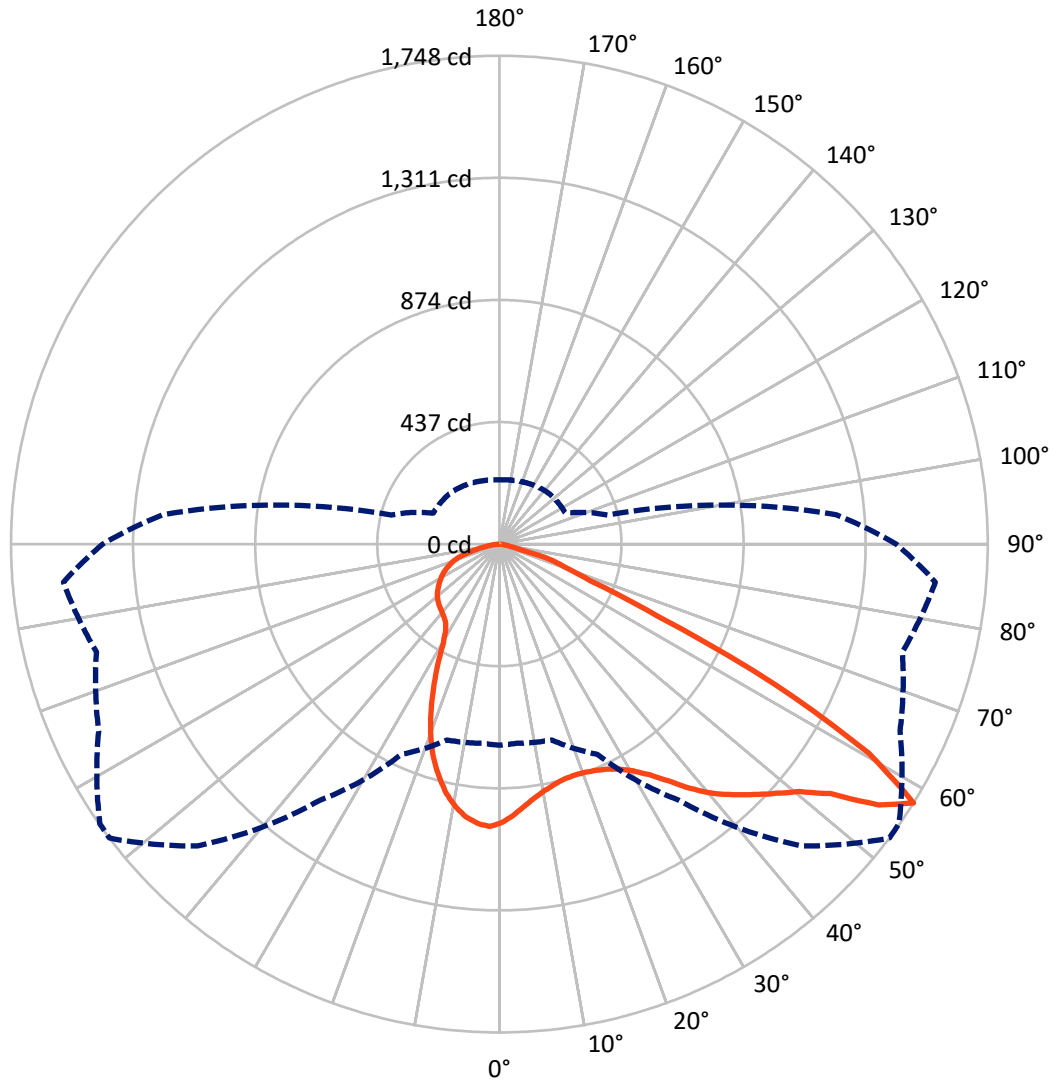
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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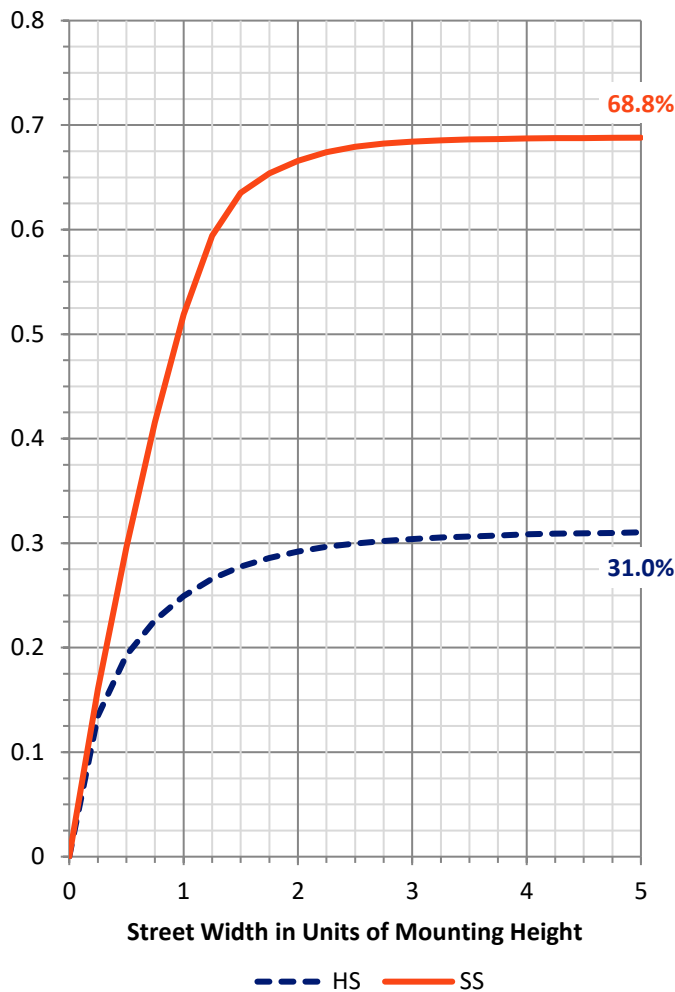
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	976.3	0.0	976.3
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	2146.2	0.0	2146.2
	% Fixture	68.7	0.0	68.7
Total	Lumens	3122.5	0.0	3122.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	2.9
10°-20°	236.6	7.6
20°-30°	348.5	11.2
30°-40°	487.9	15.6
40°-50°	641.3	20.5
50°-60°	751.9	24.1
60°-70°	443.0	14.2
70°-80°	110.2	3.5
80°-90°	12.9	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°	3122.5	100.0
0°-180°	3122.5	100.0

Coefficient of Utilization



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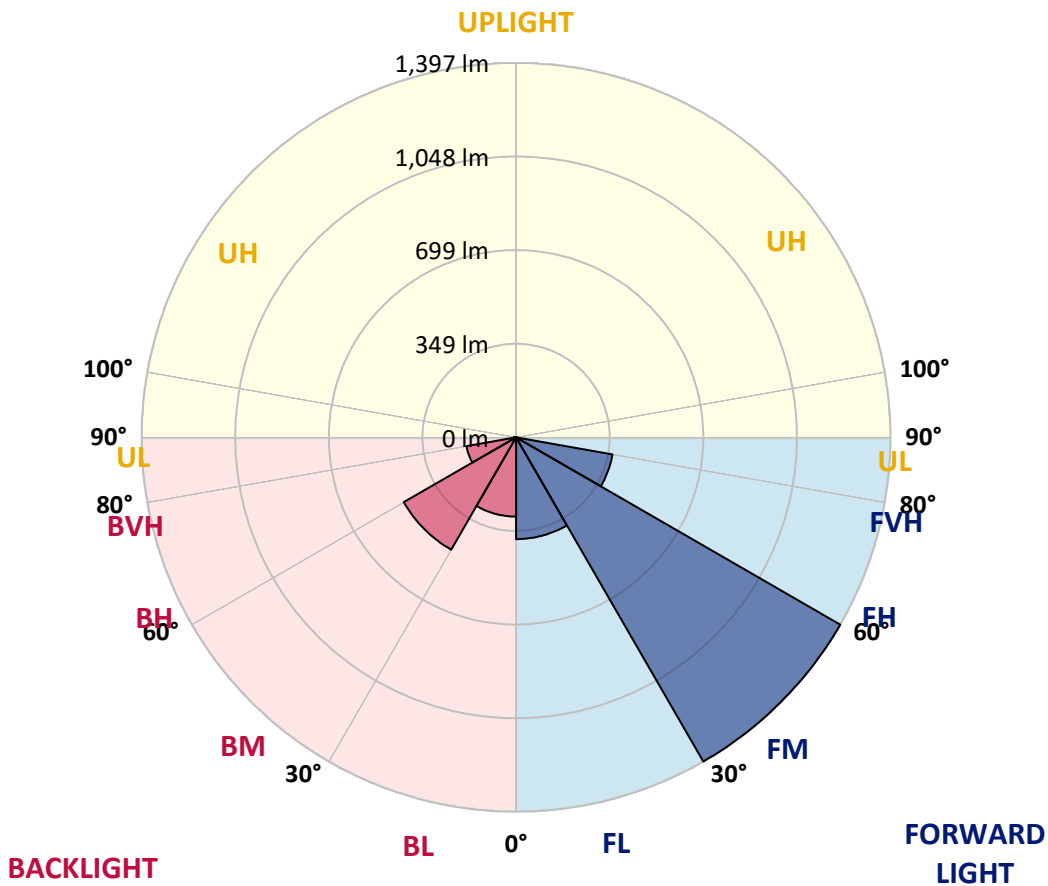
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.6	12.2			
FM (30°-60°)	1397.0	44.7			
FH (60°-80°)	365.2	11.7			G0/660
FVH (80°-90°)	4.3	0.1			G0/10
BL (0°-30°)	295.6	9.5	B1/500		
BM (30°-60°)	484.1	15.5	B1/1000		
BH (60°-80°)	188.0	6.0	B1/500		G1/500
BVH (80°-90°)	8.6	0.3			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°	53°	55°	65°	75°	85°
0°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	939.8	942.4	943.0	951.1	951.6	963.5	971.3	969.8	977.9	987.9	995.8
5°	894.9	895.1	897.8	907.5	912.7	928.2	941.4	941.4	957.2	977.7	995.3
7.5°	857.8	857.5	859.9	870.7	879.4	898.0	915.9	918.0	940.1	970.0	998.7
10°	823.4	825.2	827.8	841.0	852.0	875.2	896.4	899.9	927.7	964.8	1003.4
12.5°	801.3	801.6	805.5	820.2	834.4	859.1	881.5	885.7	917.7	959.8	1006.8
15°	787.1	787.4	791.6	807.9	824.4	849.4	872.3	877.0	911.9	959.0	1013.4
17.5°	780.8	780.5	784.5	800.8	818.9	844.9	869.4	875.2	914.6	965.0	1025.0
20°	780.8	781.1	783.2	797.9	816.3	843.9	872.3	879.4	924.8	978.7	1042.8
22.5°	791.8	792.9	793.9	803.9	818.4	845.5	879.9	889.3	946.9	1001.6	1066.2
25°	813.4	813.7	814.7	822.9	829.4	849.9	892.5	906.7	981.3	1034.9	1095.7
27.5°	842.3	846.0	847.0	852.3	852.3	861.0	912.2	932.7	1027.8	1083.0	1133.2
30°	882.8	884.1	885.9	891.7	885.4	881.7	941.1	967.4	1081.7	1141.1	1178.4
32.5°	918.3	921.1	931.1	940.6	929.3	917.7	983.7	1014.7	1133.5	1201.6	1226.5
35°	948.5	955.6	974.8	995.8	987.9	976.3	1040.2	1072.5	1176.1	1244.9	1269.1
37.5°	985.0	990.5	1016.8	1051.0	1058.1	1052.6	1109.1	1132.2	1204.5	1256.0	1292.2
40°	1022.1	1030.5	1064.4	1111.7	1138.8	1142.7	1172.7	1188.2	1214.2	1234.4	1287.8
42.5°	1059.9	1074.4	1120.9	1176.1	1224.2	1233.1	1226.3	1232.8	1211.0	1204.7	1267.0
45°	1106.2	1123.2	1175.8	1246.2	1309.6	1323.5	1278.8	1272.8	1210.5	1193.4	1254.1
47.5°	1160.8	1177.9	1228.1	1310.1	1391.0	1401.3	1332.7	1321.7	1228.9	1210.8	1271.5
50°	1209.2	1221.0	1266.0	1357.7	1467.0	1473.0	1392.1	1378.7	1274.6	1258.9	1325.6
52.5°	1160.0	1158.7	1206.0	1319.0	1506.4	1579.2	1483.6	1470.7	1362.9	1338.8	1409.4
55°	984.2	969.2	1011.6	1122.7	1396.3	1673.6	1647.6	1621.8	1480.7	1419.2	1488.0
57.5°	719.6	715.4	725.6	830.0	1118.5	1527.4	1747.9	1745.6	1582.4	1492.8	1566.3
60°	562.7	556.4	529.0	531.9	762.4	1193.2	1516.9	1586.6	1645.4	1536.9	1621.0
62.5°	499.6	494.9	480.7	441.5	454.1	800.0	1111.9	1175.8	1437.8	1357.4	1392.4
65°	413.7	412.3	424.2	422.6	380.5	441.8	627.6	692.0	904.1	915.4	904.1
67.5°	300.7	298.3	328.2	387.4	366.4	333.5	349.8	372.1	463.6	416.3	374.8
70°	195.5	192.1	209.5	279.9	328.0	290.7	252.0	248.4	254.9	158.5	171.4
72.5°	131.1	127.2	126.9	154.0	198.2	195.8	195.3	193.4	172.7	125.1	138.8
75°	73.1	69.9	69.1	66.5	71.0	72.3	77.0	79.6	86.2	94.9	105.1
77.5°	12.4	12.1	15.2	19.4	26.8	34.4	42.6	44.9	55.5	65.7	72.3
80°	6.8	7.1	9.2	11.3	15.0	20.5	26.3	27.9	34.2	39.7	44.9
82.5°	3.7	3.7	4.7	6.0	8.1	10.8	14.2	15.5	19.7	23.1	26.8
85°	1.3	1.3	1.8	2.4	3.4	4.5	5.5	6.3	8.7	11.8	13.4
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.1	1.1	1.3	2.4	3.4
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°	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1	997.1
2.5°	1002.4	995.3	1005.0	1009.5	1011.0	1012.1	1005.2	1000.5	998.9	993.9	991.1
5°	1006.0	1001.3	1010.5	1010.5	1003.9	997.1	983.2	973.4	966.6	958.5	957.2
7.5°	1012.3	1008.9	1013.9	1003.7	987.1	968.7	944.5	925.6	910.4	900.4	900.6
10°	1020.8	1016.5	1012.6	989.7	959.5	925.6	888.6	861.0	835.7	824.2	817.9
12.5°	1026.3	1020.2	1003.7	965.8	921.4	875.9	823.6	782.6	746.1	729.6	728.2
15°	1033.1	1022.1	989.0	934.8	873.1	811.0	743.8	686.7	637.3	611.6	610.2
17.5°	1042.0	1023.9	971.3	899.3	822.1	730.6	646.0	574.2	521.7	501.7	505.1
20°	1054.7	1026.0	951.4	859.9	758.7	639.2	533.8	467.8	447.6	446.3	443.6
22.5°	1068.8	1027.3	929.3	815.8	682.0	541.7	441.0	412.9	412.6	419.2	420.8
25°	1084.9	1028.4	904.3	764.2	598.9	444.4	390.0	381.6	388.2	400.5	402.1
27.5°	1105.4	1030.5	874.1	707.7	510.6	384.0	361.9	359.8	367.7	379.2	378.7
30°	1135.6	1038.1	842.0	642.8	420.0	355.3	344.8	345.1	348.2	353.7	354.5
32.5°	1166.3	1049.9	810.8	569.8	367.9	339.0	334.3	333.8	333.8	336.1	336.7
35°	1195.5	1063.3	776.9	493.6	342.7	329.6	326.4	324.8	324.0	323.5	322.7
37.5°	1211.8	1069.9	743.8	418.4	329.3	323.3	320.1	318.0	315.1	313.0	312.5
40°	1204.7	1062.3	705.4	362.2	321.2	317.2	313.5	310.6	306.7	304.9	303.8
42.5°	1181.1	1038.6	663.6	335.6	314.6	310.6	306.2	301.4	298.8	297.2	297.0
45°	1156.1	1010.0	613.1	320.1	308.3	303.5	298.3	293.0	290.1	289.4	289.1
47.5°	1155.3	995.8	559.5	307.7	300.7	295.9	289.4	284.1	280.9	279.9	278.8
50°	1190.0	1010.2	499.1	297.0	292.8	287.8	280.4	274.6	270.7	269.4	269.1
52.5°	1262.0	1064.6	444.9	286.2	282.3	276.5	270.4	264.6	259.9	257.6	257.3
55°	1339.8	1133.8	411.3	275.2	269.9	264.9	259.4	253.1	247.8	244.1	243.6
57.5°	1420.2	1209.2	401.0	261.2	257.3	253.9	247.3	240.5	234.4	231.0	230.2
60°	1486.4	1274.1	420.2	246.5	244.4	239.9	233.9	227.3	223.1	220.5	220.0
62.5°	1244.4	1037.3	339.3	230.5	230.5	225.8	218.9	214.2	211.3	209.5	208.9
65°	789.7	642.3	231.5	214.5	214.2	207.9	202.1	198.9	197.6	194.7	194.2
67.5°	344.0	293.6	197.9	198.2	197.1	190.3	184.5	182.1	179.5	176.3	176.1
70°	178.4	181.9	177.1	180.0	178.2	170.0	164.5	160.8	155.3	152.2	152.4
72.5°	144.0	147.7	153.0	157.4	153.5	146.9	138.2	133.8	126.7	123.3	123.5
75°	109.9	113.8	118.8	123.5	120.4	112.2	106.7	102.2	94.1	90.1	90.9
77.5°	75.7	77.8	83.8	83.6	82.5	80.2	72.0	66.8	58.3	53.6	54.1
80°	47.0	48.4	51.2	52.6	52.0	48.9	42.3	38.4	33.4	30.5	30.7
82.5°	28.4	29.2	31.8	32.1	31.8	29.4	24.4	21.6	18.4	16.8	16.8
85°	14.5	15.0	16.6	16.6	15.0	12.6	11.3	10.0	8.1	7.4	7.4
87.5°	3.9	3.9	5.0	4.2	3.4	3.2	1.6	1.3	0.5	0.3	0.3
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)