

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: P630622

Luminaire Tested: GWS-SA1E-722-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5571.4 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B2 - U0 - G2

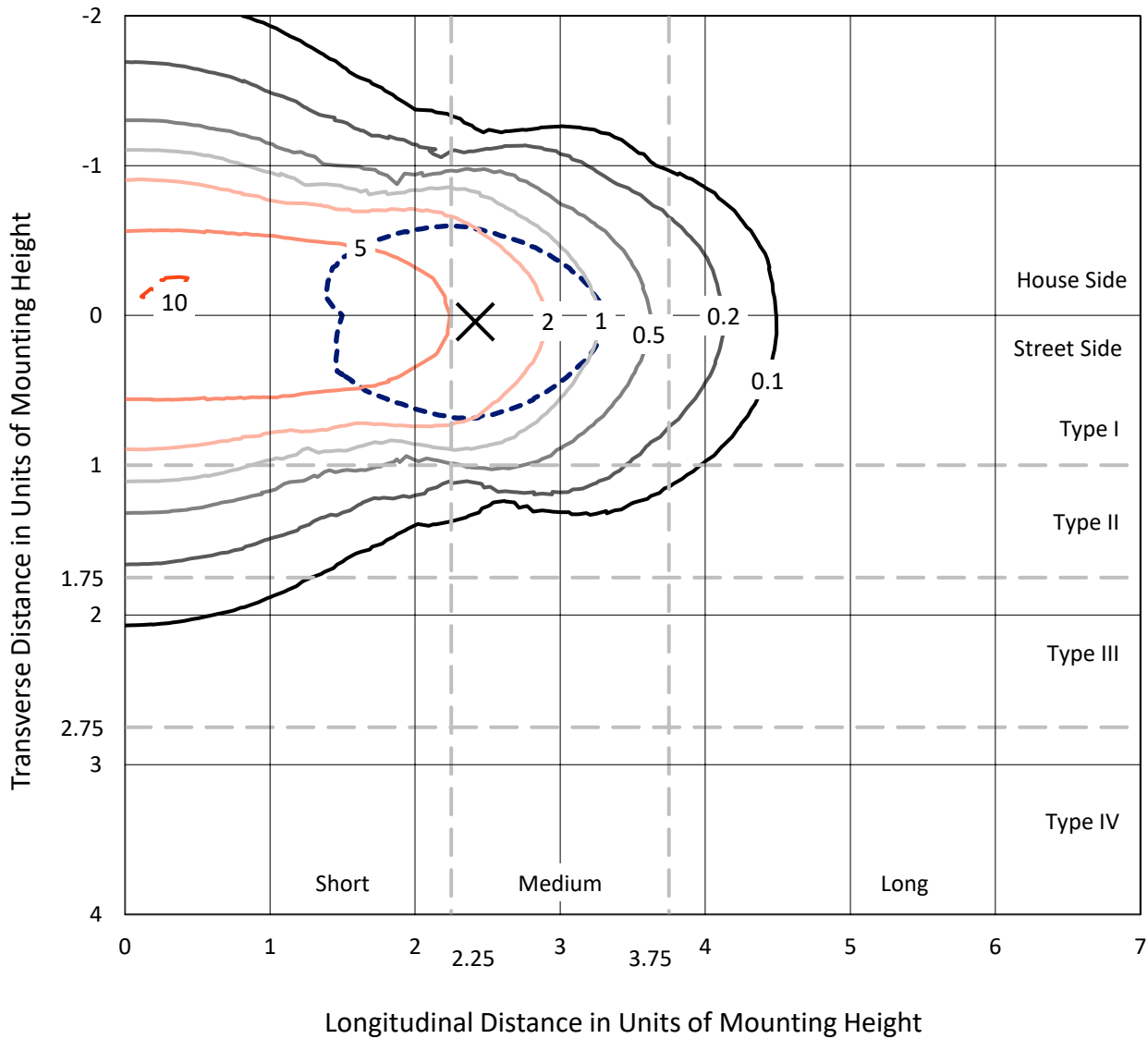
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

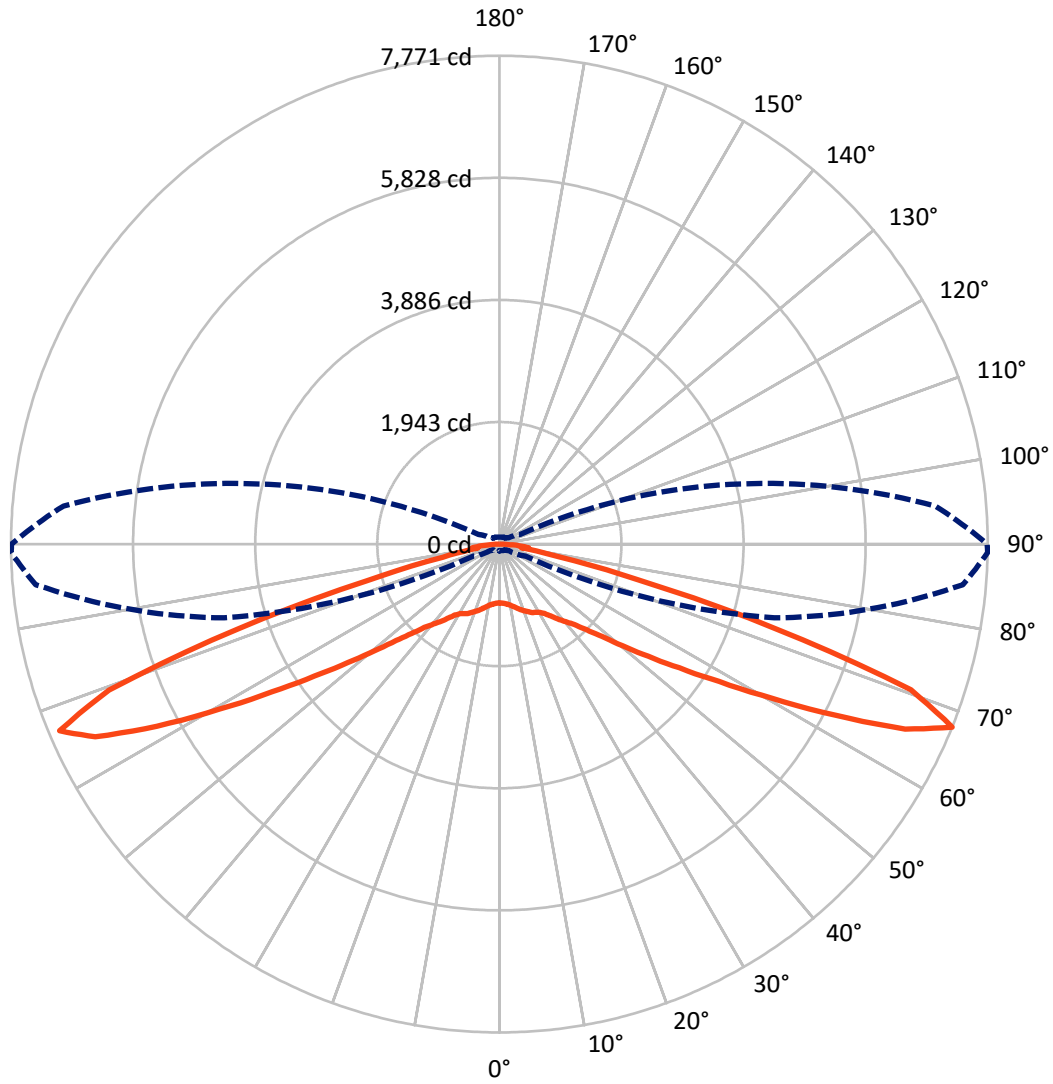
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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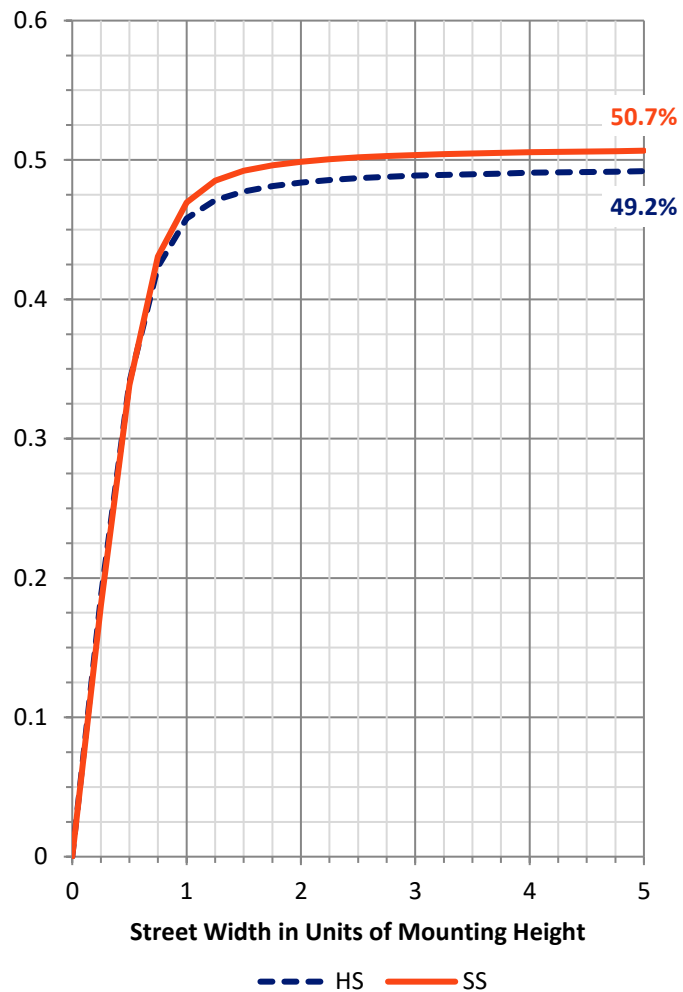
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2761.3	0.0	2761.3
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	2810.1	0.0	2810.1
	% Fixture	50.4	0.0	50.4
Total	Lumens	5571.4	0.0	5571.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	1.7
10°-20°	305.4	5.5
20°-30°	516.3	9.3
30°-40°	708.6	12.7
40°-50°	903.6	16.2
50°-60°	1133.7	20.3
60°-70°	1367.3	24.5
70°-80°	494.6	8.9
80°-90°	48.1	0.9
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°	5571.4	100.0
0°-180°	5571.4	100.0

Coefficient of Utilization



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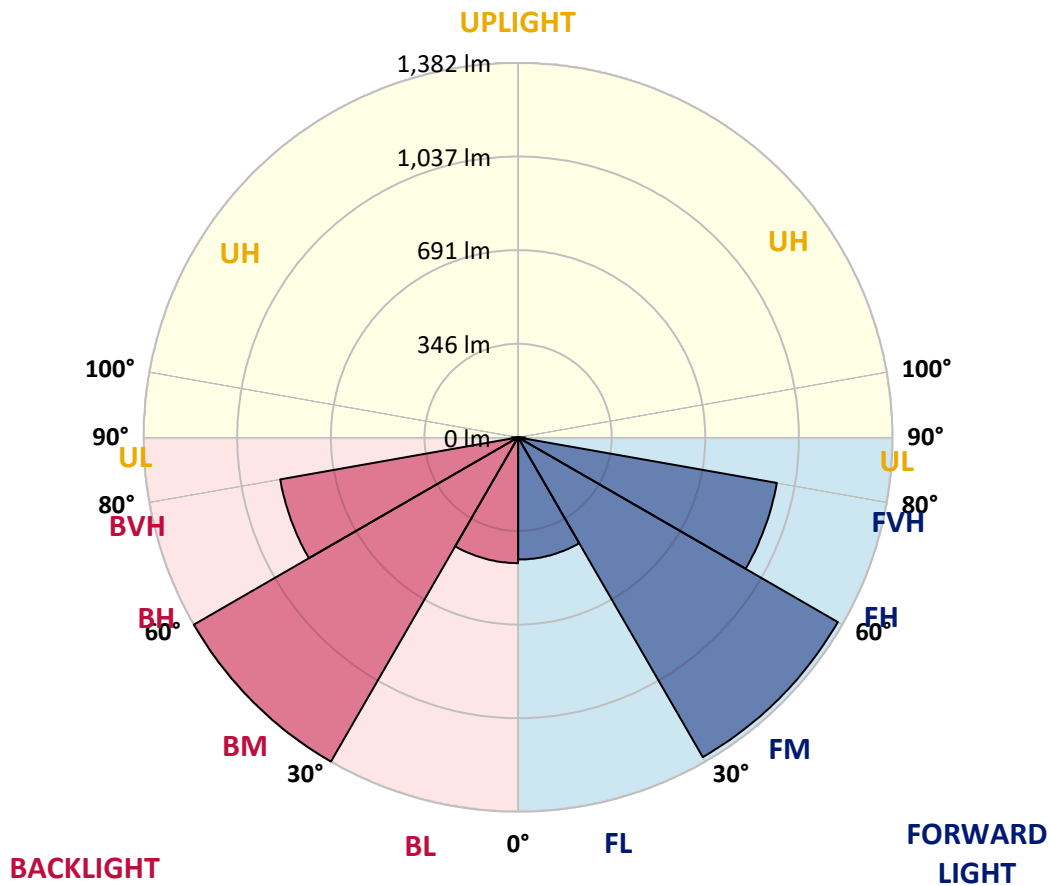
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.2	8.1			
FM (30°-60°)	1363.4	24.5			
FH (60°-80°)	970.0	17.4			G1/1800
FVH (80°-90°)	25.4	0.5			G1/100
BL (0°-30°)	464.3	8.3	B1/500		
BM (30°-60°)	1382.4	24.8	B2/2500		
BH (60°-80°)	891.9	16.0	B2/1000		G2/1000
BVH (80°-90°)	22.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	935.1	935.1	935.1	935.1	935.1	935.1	935.1	935.1	935.1	935.1	935.1
2.5°	937.9	937.1	935.1	941.1	939.9	940.3	942.7	941.1	938.3	933.5	940.3
5°	964.3	963.9	959.5	963.1	959.1	956.3	955.9	951.9	948.7	943.5	950.7
7.5°	989.9	989.5	985.9	992.3	989.1	985.9	982.3	974.3	966.7	959.1	967.1
10°	1009.5	1009.1	1008.3	1017.5	1018.3	1019.5	1017.9	1004.3	991.1	981.9	989.9
12.5°	1020.7	1021.9	1023.9	1040.8	1049.2	1057.2	1059.2	1048.0	1025.9	1012.7	1022.3
15°	1013.1	1015.5	1025.5	1056.0	1079.2	1097.2	1104.8	1095.6	1067.2	1045.2	1056.0
17.5°	976.7	978.7	998.3	1044.8	1096.0	1137.6	1150.0	1144.4	1112.8	1086.0	1096.4
20°	926.3	930.7	951.9	1016.7	1093.2	1165.6	1198.8	1196.8	1162.4	1121.2	1133.6
22.5°	880.7	885.9	908.3	979.9	1074.4	1172.8	1248.0	1253.2	1207.6	1156.4	1166.4
25°	829.5	834.3	863.1	936.3	1042.0	1167.2	1290.0	1313.6	1258.8	1196.8	1206.0
27.5°	777.1	780.7	809.1	887.1	999.5	1156.8	1323.2	1380.1	1309.2	1224.8	1231.2
30°	731.0	735.8	761.9	837.9	953.1	1136.0	1350.5	1450.9	1367.3	1256.4	1261.6
32.5°	686.6	690.6	719.0	789.5	903.9	1104.0	1374.9	1534.1	1453.3	1315.2	1315.2
35°	630.6	637.8	669.8	743.0	857.5	1061.6	1392.5	1630.9	1570.9	1402.1	1402.5
37.5°	579.0	583.0	616.6	690.6	808.7	1013.5	1394.1	1731.4	1719.8	1512.5	1513.3
40°	520.2	525.4	561.4	634.6	752.7	963.1	1378.9	1825.0	1875.8	1626.1	1621.7
42.5°	460.6	468.2	502.6	574.2	692.2	901.5	1338.5	1914.2	2073.9	1757.8	1747.0
45°	402.9	407.7	442.1	509.8	623.0	827.9	1273.6	1999.9	2309.2	1957.9	1942.3
47.5°	338.1	340.1	375.7	440.5	551.4	745.9	1180.8	2076.3	2567.7	2222.7	2195.9
50°	280.5	283.3	311.3	366.9	463.8	648.6	1065.2	2121.1	2897.0	2584.1	2537.7
52.5°	226.9	229.7	252.1	296.5	383.3	537.8	921.9	2110.7	3231.1	3032.6	2965.0
55°	183.3	185.3	200.5	235.3	301.7	427.7	752.7	2017.5	3602.0	3618.4	3472.8
57.5°	154.9	155.7	166.1	187.3	235.7	329.7	581.0	1797.4	3990.9	4365.9	4126.6
60°	138.4	138.8	143.6	156.9	186.1	251.7	425.7	1446.9	4393.9	5301.0	4972.9
62.5°	128.0	128.0	132.0	139.6	154.5	193.7	312.9	1039.1	4683.2	6318.5	5992.4
65°	118.0	118.0	120.8	127.2	135.2	158.1	234.9	670.2	4825.2	7169.2	7096.8
67.5°	105.2	105.6	107.6	114.4	121.6	132.0	178.1	453.4	4530.3	7404.5	7771.0
70°	93.2	93.6	96.4	100.8	106.8	114.0	139.2	312.5	3297.5	6166.9	6948.3
72.5°	80.0	81.6	83.6	88.4	92.0	97.2	113.6	202.5	1918.6	3966.9	4593.1
75°	65.6	67.6	70.0	74.8	77.2	79.2	93.6	144.4	923.1	2010.3	2289.2
77.5°	50.8	52.8	55.6	60.0	61.6	64.0	71.6	104.4	442.1	891.1	960.7
80°	34.0	34.8	37.2	42.4	45.2	46.8	52.8	71.2	192.1	357.7	354.5
82.5°	20.8	21.2	22.0	25.2	26.4	28.0	34.4	43.6	91.6	406.5	466.2
85°	7.6	7.2	6.8	8.8	10.4	12.0	16.0	22.0	40.0	279.3	312.5
87.5°	0.0	0.0	0.0	0.4	0.8	0.8	1.6	3.2	9.6	104.4	71.6
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°	935.1	935.1	935.1	935.1	935.1	935.1	935.1	935.1	935.1	935.1	935.1
2.5°	938.3	933.9	939.5	943.5	952.3	955.5	956.3	953.5	953.5	948.7	949.5
5°	949.1	946.3	955.5	962.3	975.1	979.9	983.1	981.1	982.3	979.1	979.9
7.5°	965.5	963.1	979.1	992.3	1005.5	1011.1	1013.9	1012.3	1012.7	1008.7	1009.9
10°	988.3	989.1	1008.3	1025.5	1043.2	1048.8	1050.0	1045.2	1041.2	1033.9	1034.3
12.5°	1019.5	1023.5	1050.8	1070.0	1088.0	1096.0	1087.2	1069.6	1053.2	1040.8	1039.1
15°	1053.6	1060.8	1100.0	1124.4	1144.0	1140.0	1114.0	1074.4	1042.0	1023.5	1019.9
17.5°	1094.4	1105.2	1154.4	1183.6	1200.4	1174.8	1120.4	1061.2	1015.9	991.1	986.3
20°	1132.8	1150.0	1212.0	1250.0	1252.0	1194.4	1117.6	1034.3	977.5	947.1	940.7
22.5°	1168.0	1190.0	1272.4	1320.8	1294.8	1203.2	1100.4	996.3	931.1	895.5	889.9
25°	1206.4	1237.6	1342.9	1388.1	1337.7	1199.6	1064.4	949.1	875.1	838.7	834.7
27.5°	1232.8	1272.0	1413.7	1456.9	1372.9	1179.2	1017.9	897.5	823.9	789.5	783.9
30°	1263.2	1313.2	1491.7	1531.7	1394.5	1149.2	968.3	849.5	776.3	739.0	735.0
32.5°	1318.4	1381.3	1588.5	1610.9	1401.3	1112.0	920.7	803.1	726.6	689.4	683.8
35°	1407.3	1480.9	1724.6	1699.4	1396.1	1071.2	875.5	748.7	675.8	641.0	635.4
37.5°	1519.3	1610.9	1876.2	1779.0	1381.7	1026.3	821.9	703.0	630.2	595.0	591.8
40°	1623.7	1736.6	2046.3	1847.8	1352.5	971.1	770.3	655.4	581.0	543.8	536.6
42.5°	1754.6	1904.6	2243.2	1907.4	1304.4	905.1	712.2	596.6	519.4	485.8	477.0
45°	1953.5	2139.9	2472.0	1964.7	1232.8	823.9	639.4	525.0	451.8	417.3	410.5
47.5°	2201.5	2434.0	2720.1	1998.7	1124.0	738.2	557.0	449.4	376.1	337.3	334.1
50°	2550.1	2861.8	2986.2	1992.7	1002.3	636.6	464.2	359.3	298.1	270.1	265.7
52.5°	2974.6	3398.7	3273.9	1920.6	873.1	521.0	361.7	282.1	236.5	216.5	212.9
55°	3507.2	4041.8	3576.8	1766.2	709.8	398.9	284.1	222.5	191.3	179.3	177.7
57.5°	4166.6	4874.4	3868.5	1506.1	533.8	304.5	218.9	183.7	168.9	161.7	161.3
60°	5036.9	5758.3	4121.8	1170.4	382.1	232.9	180.9	164.1	152.5	147.6	147.2
62.5°	6071.6	6561.0	4279.4	797.1	287.3	185.7	159.3	148.9	142.0	139.2	138.8
65°	7135.2	7068.4	4204.2	522.2	218.1	157.7	142.8	137.2	131.2	128.4	128.4
67.5°	7763.4	6961.1	3626.8	362.5	172.9	138.4	128.8	123.6	113.6	111.2	111.2
70°	6876.3	5640.7	2377.2	265.3	140.0	121.2	112.0	104.8	100.8	98.4	98.0
72.5°	4547.9	3670.4	1264.0	184.1	116.8	103.2	94.8	92.0	87.2	84.8	84.4
75°	2263.6	1927.8	647.8	132.8	97.2	82.8	79.2	78.0	74.0	70.8	70.0
77.5°	943.5	858.3	302.1	96.4	74.0	66.8	63.6	63.6	59.2	55.6	54.0
80°	355.7	316.9	142.8	66.0	54.8	49.6	47.6	46.0	42.4	38.0	35.6
82.5°	475.8	310.9	70.0	41.2	36.0	32.0	29.2	28.0	26.0	24.0	22.4
85°	308.1	220.9	31.6	21.2	18.0	13.6	12.0	11.2	10.0	8.8	8.0
87.5°	62.8	74.0	9.6	4.0	2.4	1.2	1.2	0.4	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)