

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: P631108

Luminaire Tested: GWS-SA1F-722-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5960 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

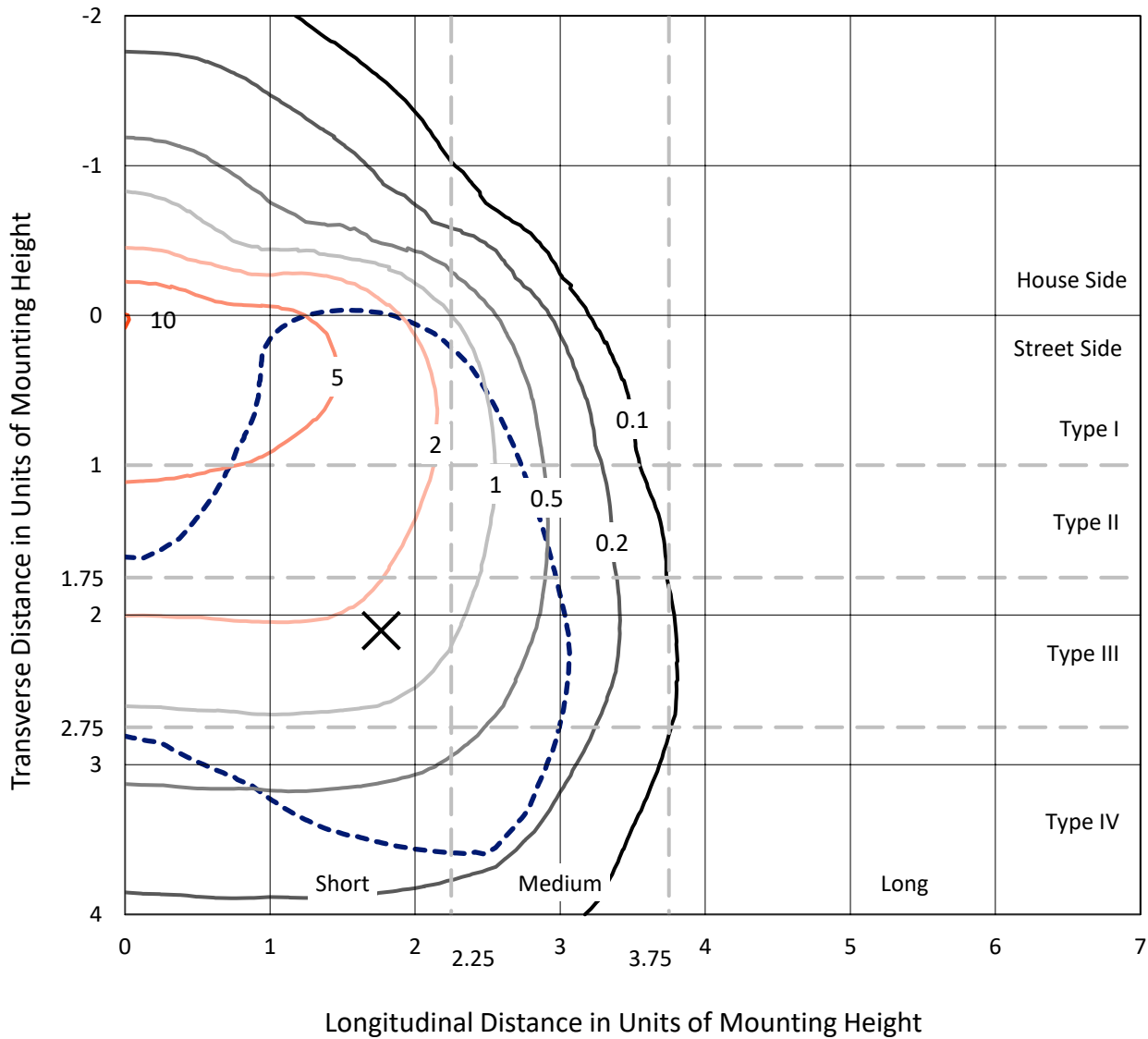
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

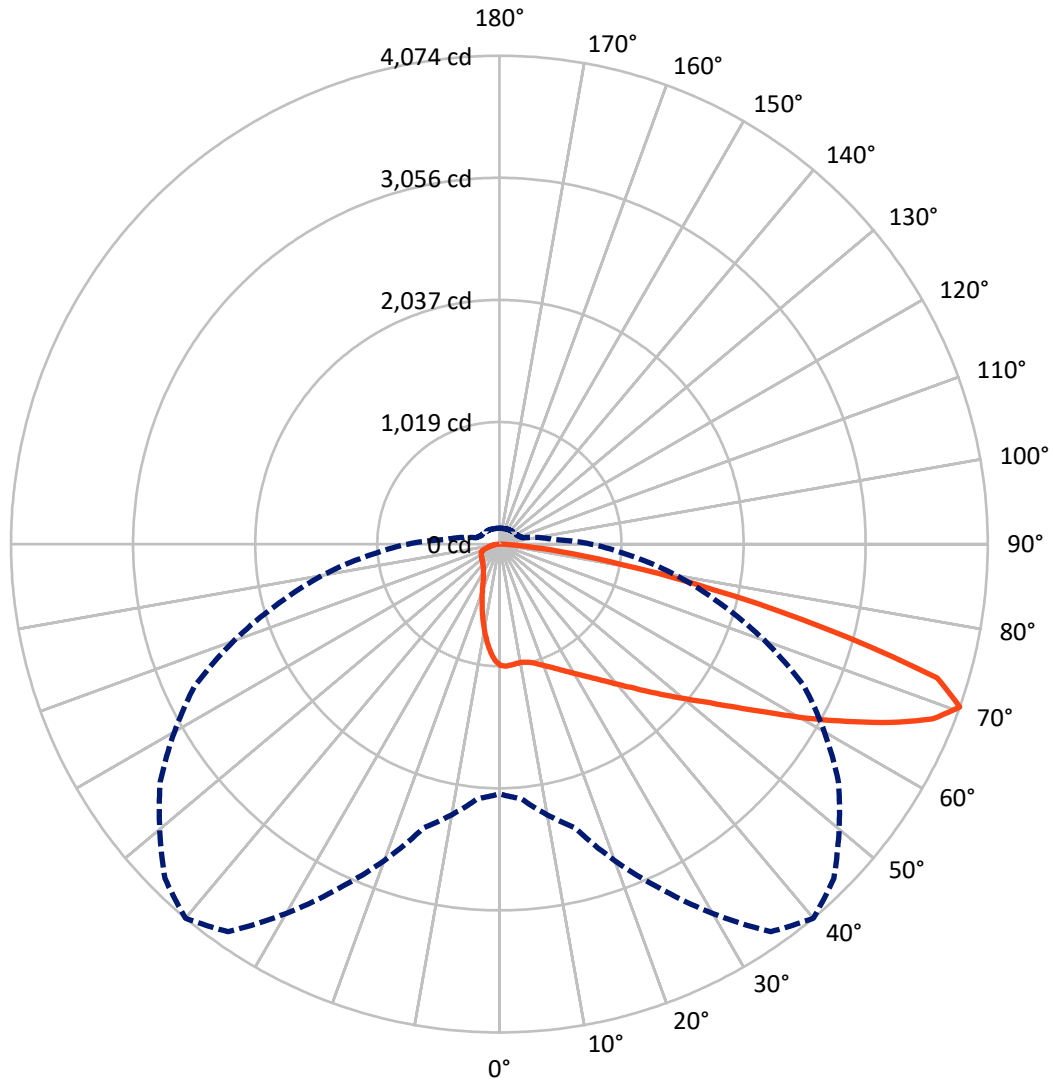
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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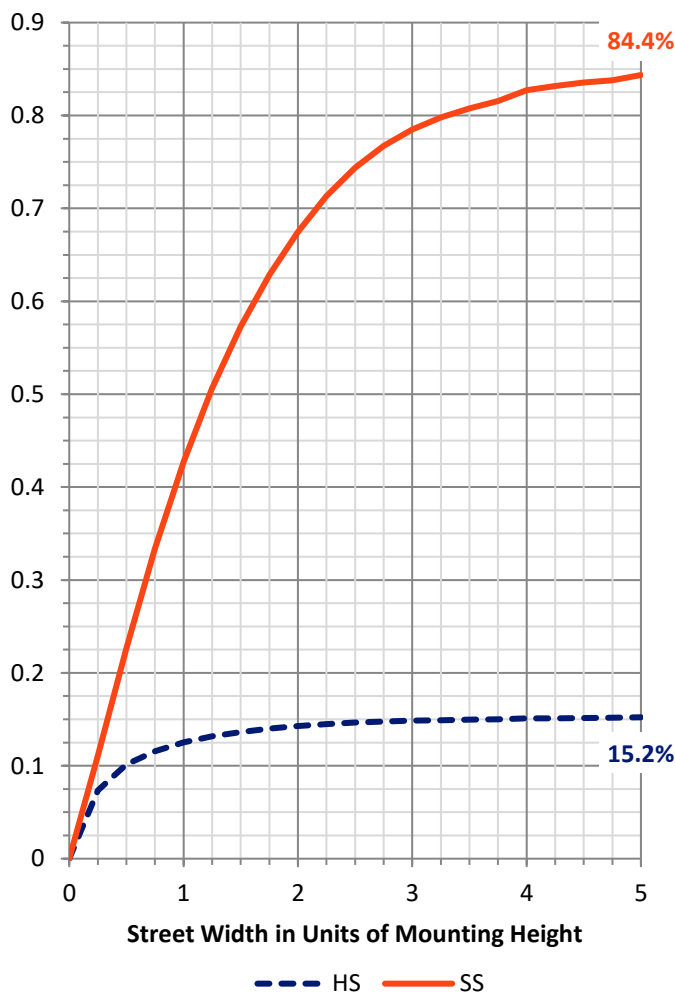
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	918.0	0.0	918.0
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	5042.0	0.0	5042.0
	% Fixture	84.6	0.0	84.6
Total	Lumens	5960.0	0.0	5960.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	1.5
10°-20°	233.1	3.9
20°-30°	365.9	6.1
30°-40°	550.2	9.2
40°-50°	849.2	14.2
50°-60°	1261.2	21.2
60°-70°	1589.7	26.7
70°-80°	919.3	15.4
80°-90°	102.0	1.7
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°	5960.0	100.0
0°-180°	5960.0	100.0

Coefficient of Utilization



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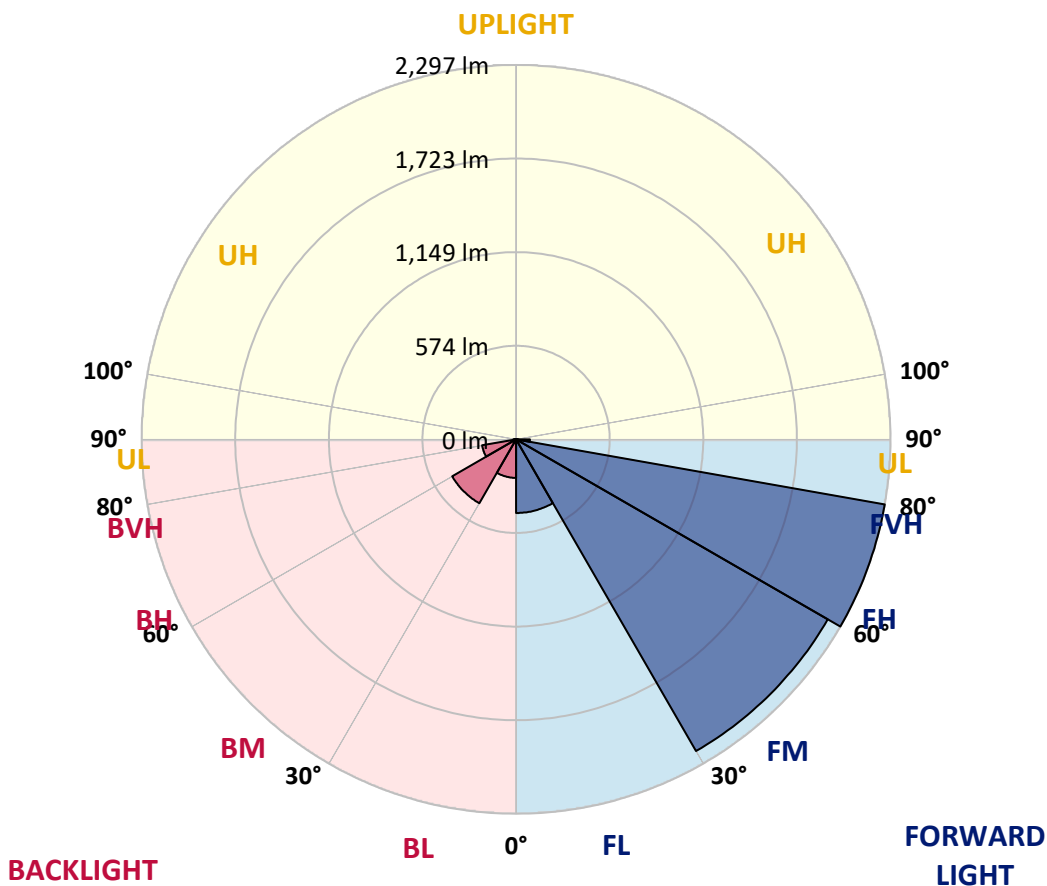
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.8	7.6			
FM (30°-60°)	2208.1	37.0			
FH (60°-80°)	2297.1	38.5			G2/5000
FVH (80°-90°)	85.0	1.4			G1/100
BL (0°-30°)	236.6	4.0	B1/500		
BM (30°-60°)	452.5	7.6	B1/1000		
BH (60°-80°)	211.9	3.6	B1/500		G1/500
BVH (80°-90°)	17.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1
2.5°	1018.3	1020.1	1021.4	1023.2	1022.3	1019.6	1021.9	1021.9	1017.0	1011.6	1006.7
5°	1019.6	1021.9	1021.4	1021.0	1017.4	1013.0	1013.0	1010.3	1001.8	993.4	985.4
7.5°	1017.0	1016.5	1016.1	1014.7	1010.7	1005.8	1005.0	999.6	988.5	976.9	965.4
10°	1005.0	1004.5	1005.8	1009.0	1008.1	1003.6	1003.6	998.7	985.8	971.6	956.5
12.5°	995.2	995.2	1000.5	1009.0	1012.1	1010.3	1010.7	1007.2	992.5	975.6	957.8
15°	996.5	997.0	1008.5	1022.3	1028.1	1026.8	1027.2	1023.2	1006.7	989.8	965.8
17.5°	1005.4	1007.6	1027.6	1046.8	1054.3	1052.6	1049.4	1042.8	1024.1	1005.0	975.6
20°	1024.1	1027.6	1053.4	1077.5	1086.4	1082.4	1077.0	1063.7	1043.2	1022.3	986.3
22.5°	1061.0	1063.2	1091.7	1115.3	1122.4	1117.5	1106.8	1087.7	1064.1	1042.3	999.2
25°	1113.1	1115.7	1142.9	1164.7	1162.9	1157.1	1142.4	1118.8	1090.8	1067.7	1017.9
27.5°	1174.9	1179.3	1206.0	1223.4	1211.8	1203.4	1186.9	1158.4	1126.9	1105.9	1046.3
30°	1242.5	1244.3	1267.0	1284.3	1266.5	1255.0	1235.0	1204.3	1175.8	1160.2	1089.0
32.5°	1307.9	1309.7	1329.3	1339.1	1320.4	1311.9	1294.6	1262.1	1242.1	1233.6	1152.7
35°	1376.9	1376.4	1392.4	1400.9	1381.8	1378.2	1360.4	1335.5	1331.9	1343.1	1245.6
37.5°	1445.8	1441.8	1450.3	1461.4	1450.7	1454.3	1442.7	1434.3	1448.0	1477.0	1369.3
40°	1501.0	1501.0	1509.9	1523.7	1527.2	1542.8	1536.1	1547.3	1591.7	1660.7	1522.3
42.5°	1549.9	1550.4	1569.1	1590.4	1616.2	1640.2	1645.6	1674.5	1766.6	1874.7	1714.5
45°	1601.1	1601.5	1626.9	1658.0	1712.7	1758.6	1769.2	1834.2	1965.9	2097.6	1923.2
47.5°	1660.3	1655.4	1690.5	1742.6	1820.4	1886.2	1913.8	2005.9	2172.3	2334.2	2119.8
50°	1727.0	1716.7	1755.9	1845.8	1941.9	2032.2	2078.4	2183.9	2393.8	2552.7	2304.9
52.5°	1802.2	1796.4	1837.3	1946.7	2093.6	2197.7	2260.4	2398.7	2609.2	2770.2	2451.7
55°	1895.6	1881.8	1941.0	2080.2	2271.5	2404.1	2478.4	2611.4	2844.5	2967.7	2563.8
57.5°	1997.9	1982.8	2062.0	2247.0	2502.8	2648.3	2741.3	2850.7	3066.0	3119.0	2629.6
60°	2108.2	2103.3	2197.2	2442.8	2778.7	2947.7	3014.9	3114.1	3258.7	3206.6	2613.2
62.5°	2209.2	2207.4	2344.0	2655.0	3070.9	3256.9	3310.3	3336.5	3397.5	3200.8	2482.4
65°	2315.5	2330.7	2515.3	2901.0	3405.9	3588.3	3610.6	3543.8	3444.2	3049.1	2214.6
67.5°	2328.9	2358.2	2622.9	3131.4	3723.6	3895.7	3877.9	3622.6	3306.3	2626.9	1735.9
70°	2082.9	2134.0	2451.2	3166.6	3947.3	4074.1	3945.5	3453.1	2805.8	1903.1	1091.7
72.5°	1740.3	1784.4	2064.6	2700.4	3658.6	3820.1	3646.1	2922.8	1982.8	1091.7	556.1
75°	1354.6	1405.8	1664.3	2146.5	2739.1	2803.6	2716.4	2038.4	1089.9	450.2	252.7
77.5°	826.6	863.5	1064.6	1454.3	1916.5	1820.0	1542.4	1142.9	478.2	215.8	156.1
80°	365.7	388.4	524.5	781.2	1107.3	1046.8	825.2	488.0	261.6	137.0	109.0
82.5°	196.2	210.9	258.5	309.2	486.2	508.5	412.4	281.2	140.6	78.3	62.3
85°	86.3	94.8	117.4	112.1	159.7	157.0	158.4	193.1	67.2	36.0	40.5
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	4.9	25.8	6.7	10.7	9.3
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°	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1	1012.1
2.5°	1001.4	993.4	991.2	988.5	983.6	975.2	968.9	961.8	958.7	955.1	955.6
5°	976.5	966.7	957.4	945.3	930.2	913.3	901.7	888.4	881.3	874.6	876.4
7.5°	955.1	940.0	920.9	895.5	868.4	838.1	813.7	794.5	781.6	772.7	777.2
10°	941.8	924.0	890.6	849.3	803.4	757.2	722.0	689.1	668.6	652.6	651.7
12.5°	939.1	916.0	867.5	807.4	741.2	679.3	627.7	583.2	556.1	536.1	543.6
15°	941.8	912.4	847.5	768.7	685.1	601.5	537.4	486.2	453.8	435.5	434.2
17.5°	944.9	908.9	824.8	726.9	626.4	530.7	456.4	402.2	368.8	350.6	351.0
20°	947.6	903.5	798.1	681.1	566.8	464.9	387.9	336.3	306.5	293.2	295.4
22.5°	952.0	898.2	769.6	632.2	505.8	401.3	333.7	291.8	274.0	265.1	265.6
25°	960.5	895.1	740.3	578.8	445.8	350.6	296.3	268.3	257.1	251.8	251.4
27.5°	977.8	897.7	709.6	527.2	391.5	311.9	272.3	254.0	246.5	242.9	242.5
30°	1006.7	908.4	682.9	474.7	344.8	281.6	255.8	244.7	240.2	237.1	236.7
32.5°	1050.8	928.4	654.0	425.7	307.0	259.4	242.9	237.1	234.0	232.2	232.2
35°	1117.5	964.9	625.5	383.0	277.6	242.0	232.7	230.4	227.8	226.9	227.8
37.5°	1213.6	1023.2	599.7	345.7	256.7	228.7	221.5	222.4	220.2	221.5	222.9
40°	1335.5	1101.1	577.9	315.0	241.1	218.9	211.8	214.9	213.5	214.9	217.1
42.5°	1489.9	1197.6	561.4	290.9	230.0	210.9	204.2	207.3	206.4	208.2	210.4
45°	1662.0	1324.8	553.9	274.0	222.0	205.1	198.0	200.2	199.3	200.6	202.9
47.5°	1827.1	1440.5	560.5	264.3	215.3	200.2	192.6	193.5	193.1	192.6	194.0
50°	1969.4	1532.6	579.7	261.1	210.9	195.3	188.2	188.6	187.3	184.6	185.5
52.5°	2085.5	1606.4	591.2	261.1	208.6	190.0	183.3	183.7	181.1	177.5	177.9
55°	2162.1	1636.2	581.9	260.7	207.8	185.5	178.4	178.8	176.2	171.7	172.2
57.5°	2183.9	1607.3	542.7	255.8	206.9	182.0	173.5	174.4	172.6	167.7	167.7
60°	2122.9	1501.4	471.1	244.7	204.6	179.7	169.9	171.3	170.4	165.5	165.5
62.5°	1963.2	1313.3	385.7	227.8	198.4	177.1	166.8	169.5	171.7	169.1	168.6
65°	1664.3	1052.1	313.6	209.1	190.4	172.6	162.4	169.1	173.9	177.5	177.5
67.5°	1248.7	753.2	255.8	189.5	178.4	163.7	156.6	162.8	166.4	168.6	169.9
70°	761.2	443.1	201.5	166.8	161.0	150.4	145.0	138.8	133.9	133.0	133.5
72.5°	372.4	253.6	163.7	141.9	137.5	127.7	115.7	113.0	110.8	109.4	109.0
75°	205.1	176.6	135.2	117.9	109.9	97.9	95.2	90.8	89.9	88.1	88.5
77.5°	145.0	139.2	111.7	95.6	83.6	77.4	78.7	75.6	75.6	74.3	73.8
80°	109.0	109.4	85.9	69.8	61.8	59.6	60.9	60.9	60.1	59.6	59.2
82.5°	69.0	77.9	57.8	44.9	44.0	44.5	44.0	43.6	44.5	43.2	42.7
85°	47.6	56.1	35.1	26.7	26.7	26.2	27.1	26.7	27.6	26.2	26.2
87.5°	10.7	24.9	12.9	8.0	8.5	8.0	8.5	8.9	9.8	10.2	10.2
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)