

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: P633101

Luminaire Tested: GWS-SA2E-722-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10663.3 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

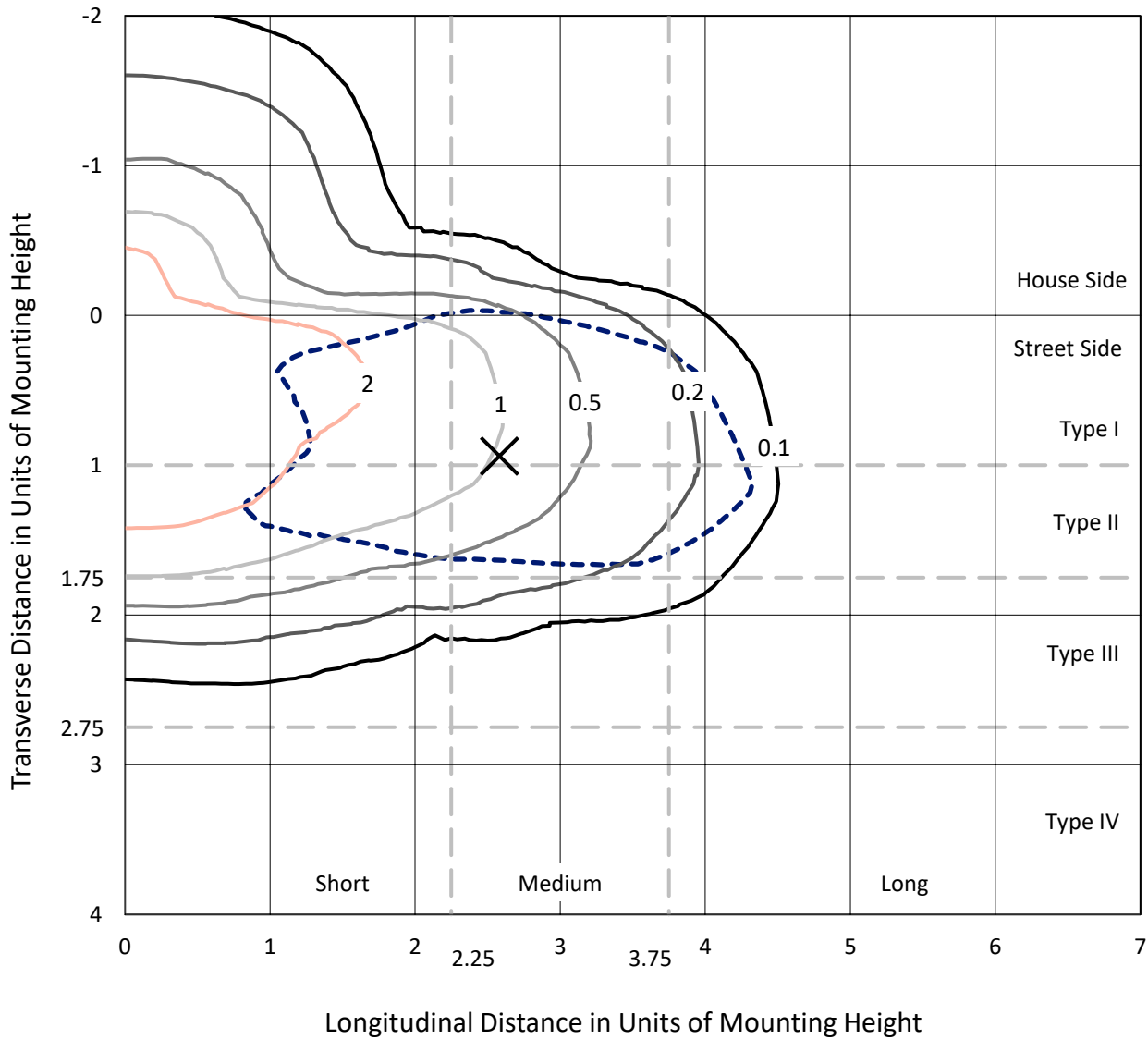
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

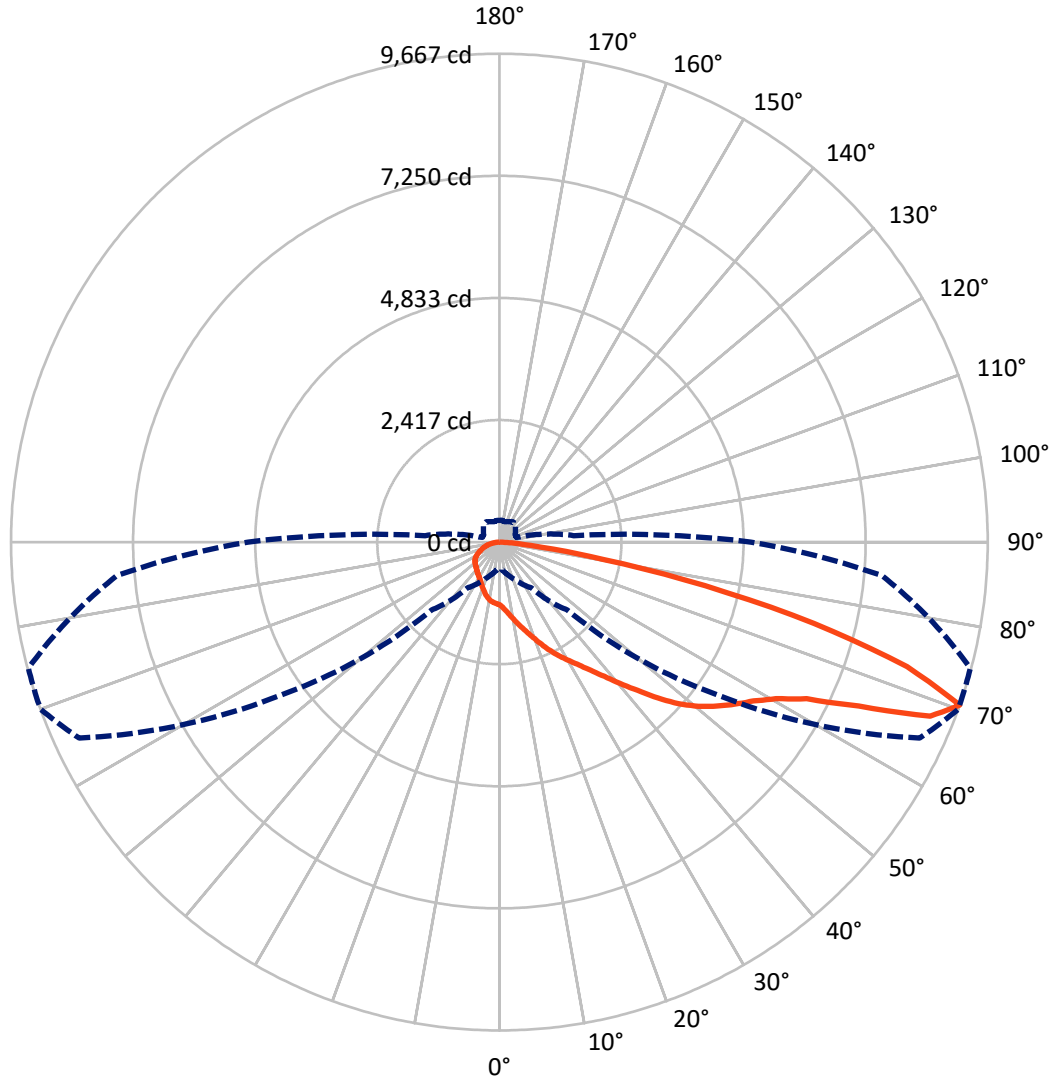
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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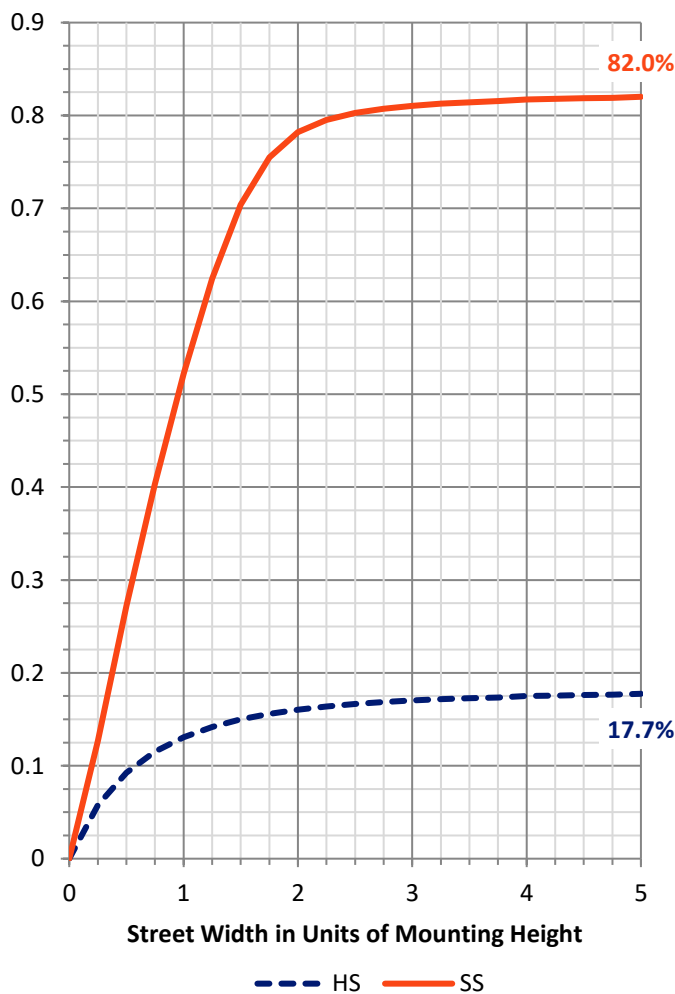
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1910.9	0.0	1910.9
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	8752.4	0.0	8752.4
	% Fixture	82.1	0.0	82.1
Total	Lumens	10663.3	0.0	10663.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	1.2
10°-20°	411.2	3.9
20°-30°	728.4	6.8
30°-40°	1096.2	10.3
40°-50°	1658.5	15.6
50°-60°	2375.8	22.3
60°-70°	2626.2	24.6
70°-80°	1482.1	13.9
80°-90°	158.5	1.5
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°	10663.3	100.0
0°-180°	10663.3	100.0

Coefficient of Utilization



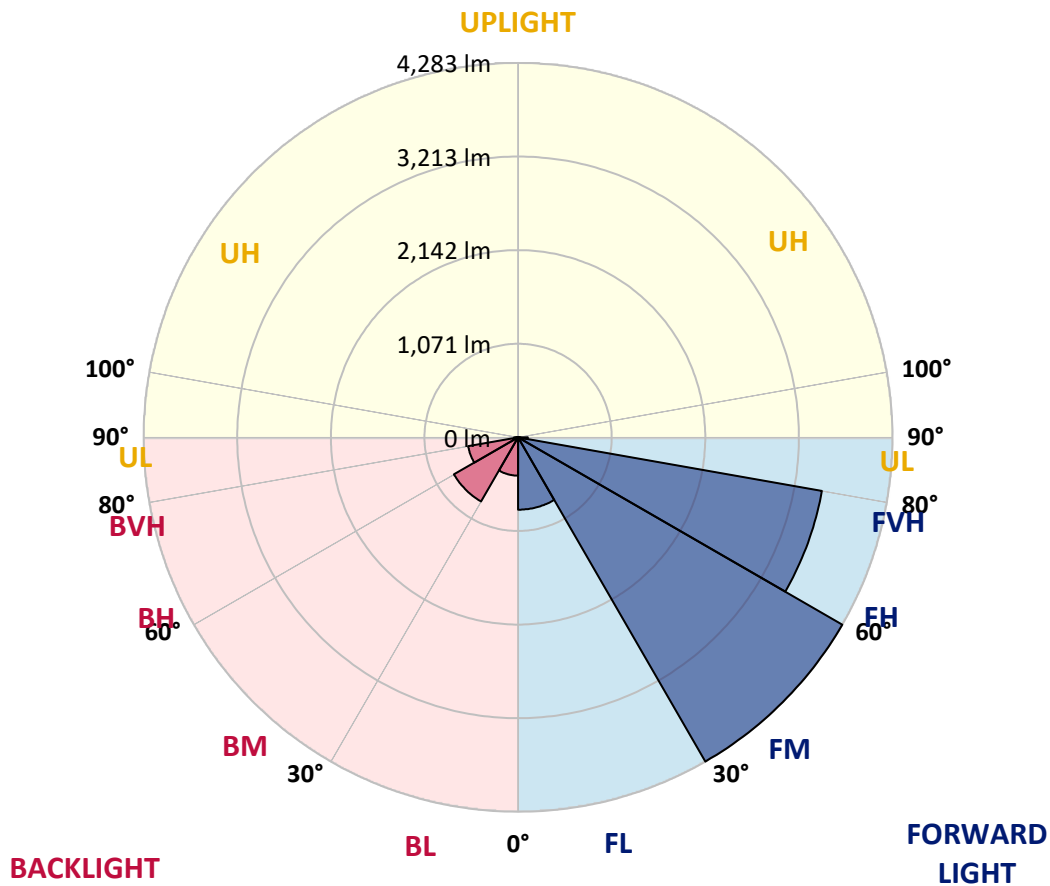
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	827.8	7.8			
FM (30°-60°)	4283.4	40.2			
FH (60°-80°)	3529.1	33.1			G2/5000
FVH (80°-90°)	112.1	1.1			G2/225
BL (0°-30°)	438.1	4.1	B1/500		
BM (30°-60°)	847.1	7.9	B1/1000		
BH (60°-80°)	579.2	5.4	B2/1000		G2/1000
BVH (80°-90°)	46.5	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6
2.5°	1377.6	1375.3	1376.9	1375.3	1366.8	1346.0	1329.1	1307.5	1292.9	1284.4	1264.4
5°	1539.4	1537.1	1531.7	1524.0	1508.6	1480.1	1437.7	1390.7	1362.2	1340.6	1298.3
7.5°	1655.8	1655.8	1655.0	1645.8	1635.0	1604.9	1554.8	1493.2	1451.6	1414.6	1345.3
10°	1715.1	1719.0	1724.3	1737.4	1735.1	1719.0	1672.0	1605.7	1553.3	1510.1	1406.9
12.5°	1747.5	1749.8	1759.0	1786.0	1813.7	1817.6	1789.8	1720.5	1663.5	1605.7	1475.5
15°	1789.1	1789.8	1802.2	1834.5	1875.4	1916.2	1909.3	1839.9	1781.4	1717.4	1551.8
17.5°	1821.4	1826.8	1849.2	1886.9	1937.8	1994.0	2027.9	1984.8	1912.3	1839.1	1635.0
20°	1833.0	1836.8	1866.1	1923.9	1993.2	2072.6	2148.1	2136.6	2063.4	1977.1	1729.0
22.5°	1874.6	1874.6	1896.2	1944.7	2026.4	2141.9	2264.5	2294.5	2229.8	2128.8	1829.9
25°	1966.3	1963.2	1973.2	1993.2	2054.9	2197.4	2379.3	2469.4	2397.0	2283.7	1930.8
27.5°	2091.9	2090.3	2089.6	2092.6	2113.4	2246.0	2476.3	2632.7	2560.3	2432.4	2021.0
30°	2228.2	2223.6	2233.6	2224.4	2219.8	2303.7	2558.8	2779.1	2722.9	2579.6	2095.7
32.5°	2413.9	2405.5	2403.1	2373.1	2354.6	2393.9	2625.0	2945.6	2900.9	2738.3	2179.7
35°	2658.9	2651.2	2611.9	2564.2	2509.5	2528.0	2707.5	3108.1	3111.2	2937.1	2289.9
37.5°	2906.3	2907.8	2877.0	2764.5	2708.3	2697.5	2833.1	3306.1	3372.4	3174.4	2432.4
40°	3112.0	3121.2	3121.2	3002.6	2918.6	2908.6	3009.5	3541.1	3672.9	3465.6	2612.7
42.5°	3268.4	3276.9	3303.8	3218.3	3129.7	3164.4	3223.7	3776.9	4013.5	3825.5	2840.8
45°	3440.2	3447.1	3461.8	3412.5	3360.9	3453.3	3466.4	4058.9	4403.3	4229.2	3105.8
47.5°	3668.3	3662.1	3663.7	3627.4	3587.4	3736.8	3733.8	4296.2	4780.1	4671.4	3393.2
50°	3951.8	3963.4	3952.6	3880.9	3833.9	3970.3	3988.0	4559.0	5111.4	5109.1	3682.9
52.5°	4224.6	4229.2	4286.2	4289.3	4193.0	4164.5	4210.7	4824.0	5391.1	5509.7	3961.1
55°	4238.4	4256.2	4427.2	4550.5	4706.1	4477.3	4435.7	5076.7	5661.5	5901.9	4250.0
57.5°	3943.3	3971.8	4262.3	4528.1	4961.1	5014.3	4820.9	5403.4	5932.0	6287.9	4584.4
60°	3313.1	3372.4	3766.9	4173.7	4846.3	5400.3	5609.1	5847.2	6287.2	6682.4	4990.4
62.5°	2115.7	2138.9	2692.1	3373.2	4329.4	5362.6	6467.4	6629.2	6828.0	7196.3	5616.1
65°	1059.4	1133.4	1457.8	2013.3	3122.0	4725.4	6901.2	8061.6	7818.1	8076.2	6630.0
67.5°	718.9	742.7	906.9	1209.7	1830.7	3347.8	6632.3	9268.2	9196.5	9238.9	7711.0
70°	530.1	545.5	674.9	856.8	1107.2	1900.8	5280.1	9177.2	9666.5	9651.1	7597.7
72.5°	386.8	394.5	492.3	654.1	820.6	983.1	3224.5	7413.6	8438.3	8882.9	6644.7
75°	281.2	290.5	342.1	489.3	638.0	613.3	1591.8	5354.9	6435.1	7290.3	5413.4
77.5°	209.6	221.1	245.0	306.7	446.9	439.2	688.0	3477.2	4162.2	4761.6	3288.4
80°	151.0	153.3	167.2	196.5	283.5	257.3	327.5	1812.9	2078.8	2277.6	1289.0
82.5°	91.7	94.0	111.7	121.0	175.7	161.8	170.3	587.1	841.4	893.0	481.6
85°	27.0	28.5	50.9	55.5	73.2	69.3	68.6	238.9	285.1	364.4	189.5
87.5°	0.0	0.0	0.0	0.0	0.8	4.6	8.5	42.4	64.0	88.6	46.2
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°	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6
2.5°	1256.7	1238.9	1229.7	1213.5	1202.0	1190.4	1178.8	1168.1	1163.4	1156.5	1158.0
5°	1279.0	1251.3	1223.5	1191.9	1165.0	1142.6	1122.6	1104.9	1097.2	1090.2	1093.3
7.5°	1312.9	1271.3	1218.1	1160.3	1118.0	1087.2	1066.4	1054.0	1050.2	1044.8	1044.8
10°	1356.1	1293.6	1200.4	1118.0	1067.1	1042.5	1033.2	1032.4	1036.3	1037.1	1035.5
12.5°	1403.8	1315.2	1174.2	1067.9	1024.7	1017.0	1024.0	1037.1	1050.2	1057.1	1055.6
15°	1453.1	1329.1	1129.5	1020.1	993.9	1003.9	1026.3	1052.5	1077.9	1091.0	1090.2
17.5°	1499.4	1332.2	1071.7	973.9	967.0	992.4	1030.9	1071.7	1106.4	1124.9	1125.7
20°	1551.0	1326.8	1012.4	932.3	940.0	981.6	1032.4	1081.8	1122.6	1141.1	1145.7
22.5°	1598.0	1308.3	954.6	893.0	916.9	968.5	1020.1	1066.4	1102.6	1120.3	1126.4
25°	1640.4	1272.8	891.5	859.9	899.2	950.0	989.3	1021.7	1047.1	1057.9	1066.4
27.5°	1663.5	1219.7	843.7	833.7	882.2	923.8	945.4	955.4	963.9	960.8	967.0
30°	1668.1	1153.4	802.1	812.9	856.8	887.6	892.2	882.2	867.6	843.7	849.1
32.5°	1663.5	1077.1	767.4	790.5	828.3	846.8	840.6	814.4	779.0	742.0	744.3
35°	1665.0	1000.1	738.9	765.9	795.1	805.2	789.7	753.5	715.8	681.9	680.3
37.5°	1682.0	935.4	715.0	742.0	762.8	764.3	747.4	709.6	690.4	664.9	661.8
40°	1729.0	887.6	693.4	718.1	731.2	730.4	711.2	684.2	697.3	688.8	686.5
42.5°	1806.0	858.3	675.7	692.7	701.9	703.5	688.0	671.1	699.6	688.8	685.0
45°	1930.1	856.8	663.4	667.2	681.9	692.7	681.9	662.6	673.4	621.0	611.0
47.5°	2077.2	883.0	654.1	644.9	670.3	689.6	672.6	641.8	619.5	571.7	564.8
50°	2254.4	936.1	645.7	621.0	653.4	678.0	661.1	618.7	584.8	559.4	555.5
52.5°	2464.8	1006.3	634.9	594.0	627.9	671.9	661.1	616.4	571.7	548.6	544.7
55°	2685.1	1087.2	622.6	561.7	599.4	673.4	666.5	600.2	561.7	549.4	546.3
57.5°	2958.7	1184.2	600.2	523.9	574.0	659.5	644.9	591.0	554.7	544.7	541.7
60°	3313.9	1328.3	557.8	485.4	544.7	634.9	625.6	575.6	536.3	527.8	525.5
62.5°	3876.3	1572.6	506.2	448.4	510.1	583.3	597.1	546.3	513.1	512.4	511.6
65°	4793.2	1866.1	445.3	415.3	473.8	540.9	559.4	516.2	489.3	497.7	497.0
67.5°	5435.8	1891.5	395.3	380.6	431.5	494.7	521.6	485.4	456.1	472.3	471.5
70°	4978.9	1475.5	352.1	344.4	386.0	444.6	480.8	446.9	417.6	433.0	429.9
72.5°	4199.1	1131.1	311.3	306.7	339.8	392.2	428.4	408.4	377.5	377.5	370.6
75°	3374.7	933.1	268.1	265.8	288.2	339.0	379.8	345.9	317.4	315.9	311.3
77.5°	1935.5	611.8	225.0	223.4	230.4	283.5	295.1	288.2	266.6	256.6	253.5
80°	771.3	318.2	177.2	167.2	174.1	208.0	232.7	221.1	202.6	190.3	183.4
82.5°	298.9	159.5	124.8	109.4	119.4	150.2	168.7	164.9	152.6	124.8	117.1
85°	121.7	77.8	74.7	63.2	69.3	80.9	97.1	84.0	69.3	49.3	47.0
87.5°	32.4	28.5	27.7	17.0	13.1	3.9	0.8	0.0	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)