

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: P631451

Luminaire Tested: GWS-SA1F-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631451
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-SA1F-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8433.1 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

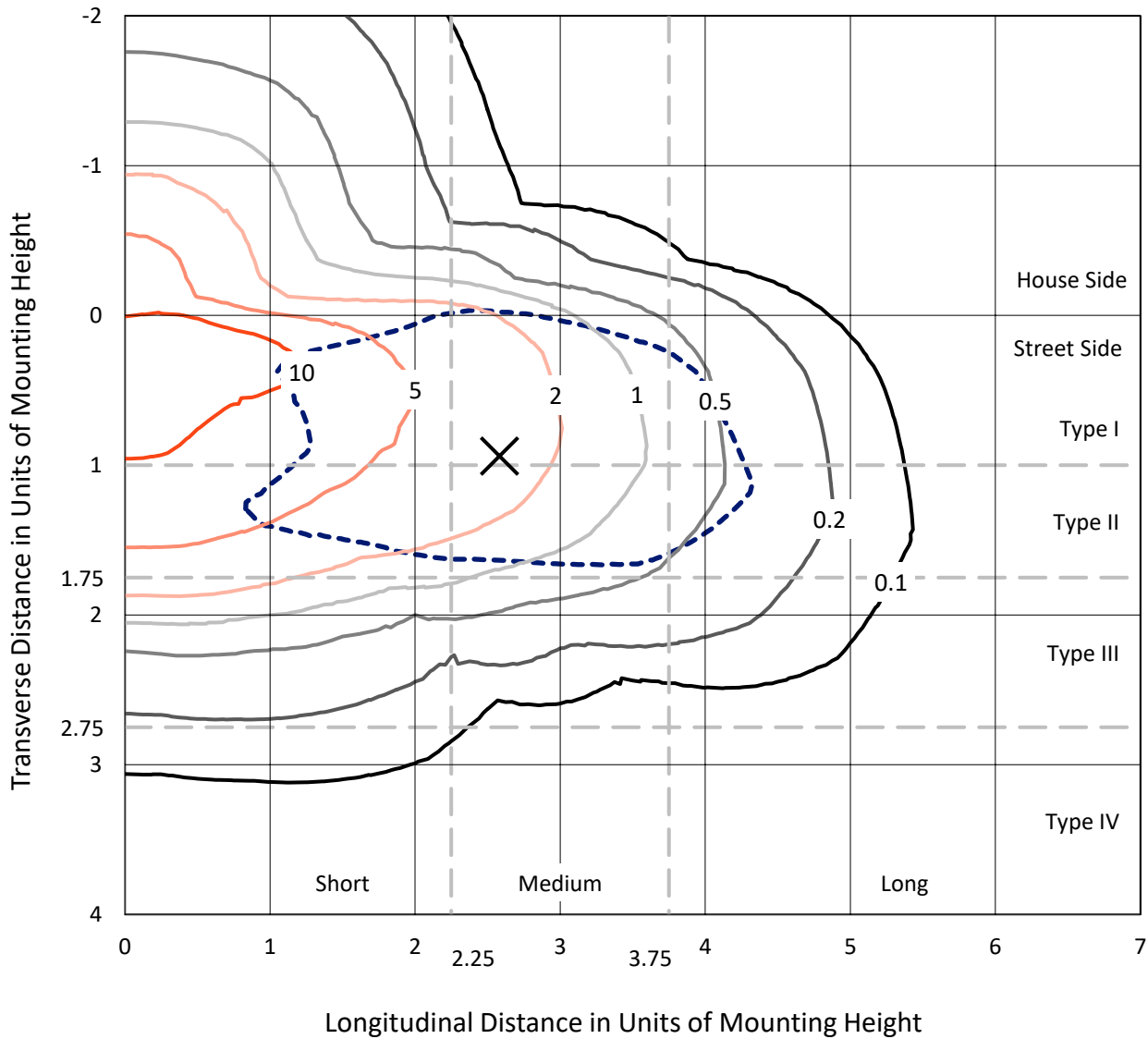
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

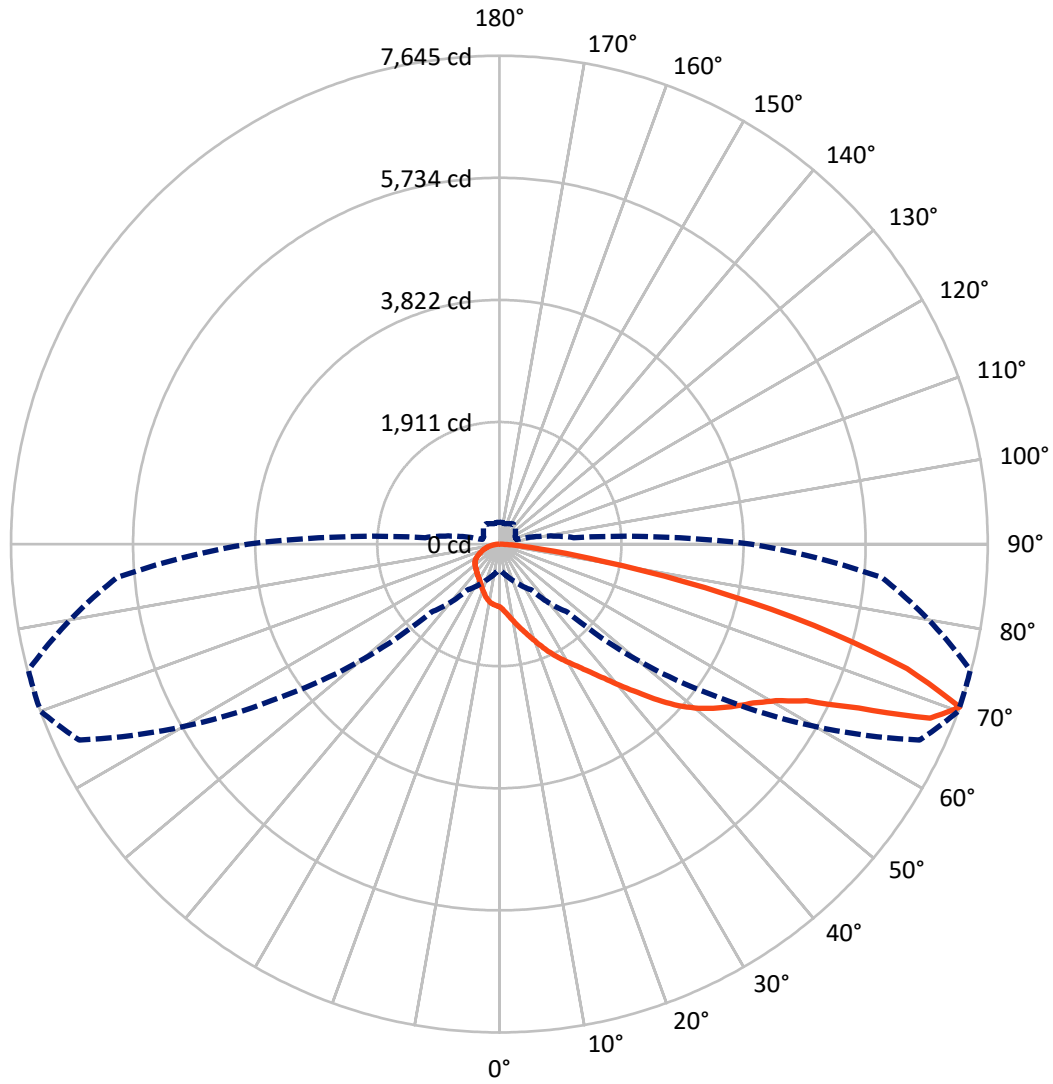
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 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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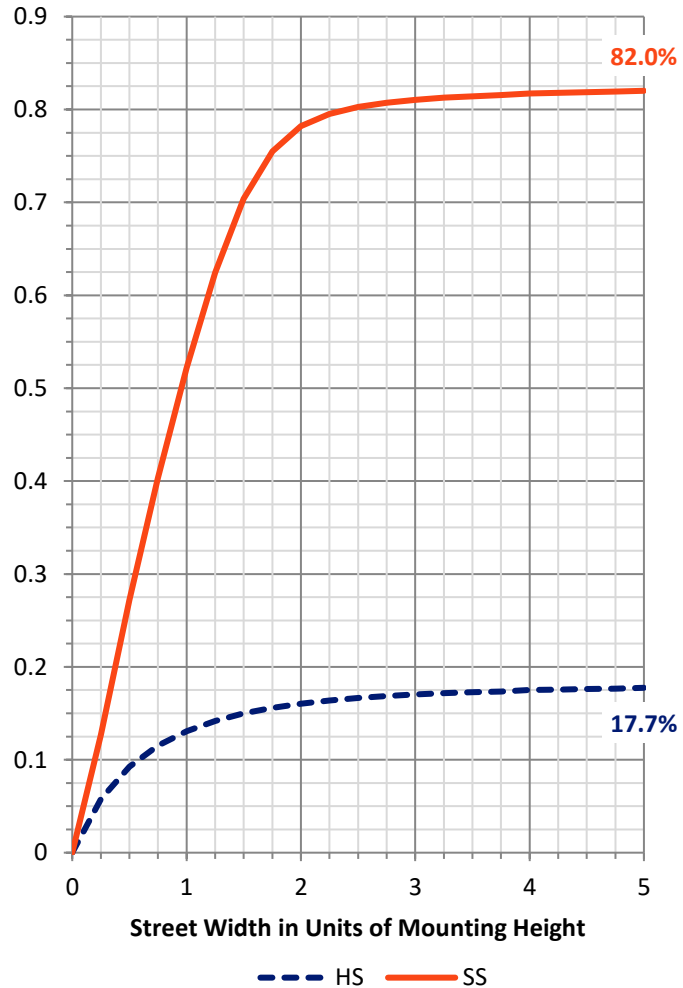
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1511.2	0.0	1511.2
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	6921.9	0.0	6921.9
	% Fixture	82.1	0.0	82.1
Total	Lumens	8433.1	0.0	8433.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	1.2
10°-20°	325.2	3.9
20°-30°	576.0	6.8
30°-40°	867.0	10.3
40°-50°	1311.6	15.6
50°-60°	1878.9	22.3
60°-70°	2077.0	24.6
70°-80°	1172.1	13.9
80°-90°	125.4	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°	8433.1	100.0
0°-180°	8433.1	100.0

Coefficient of Utilization



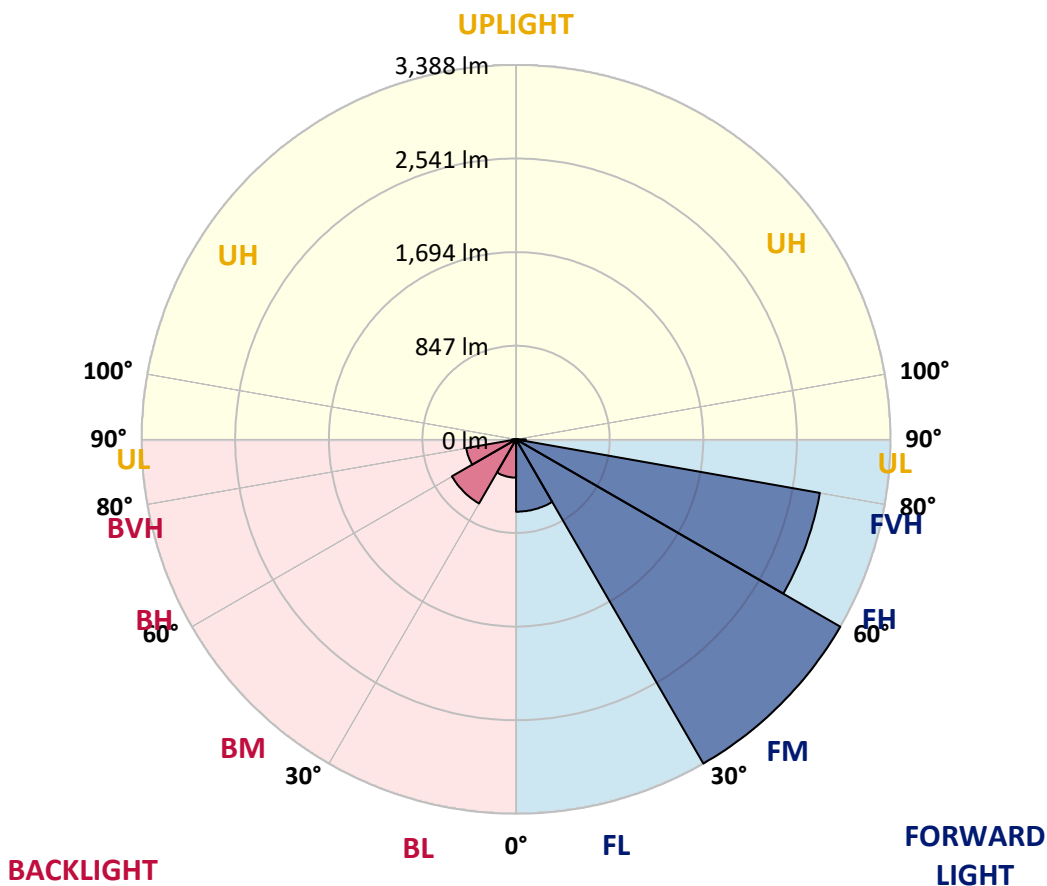
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	654.7	7.8			
FM (30°-60°)	3387.6	40.2			
FH (60°-80°)	2791.0	33.1			G2/5000
FVH (80°-90°)	88.6	1.1			G1/100
BL (0°-30°)	346.5	4.1	B1/500		
BM (30°-60°)	669.9	7.9	B1/1000		
BH (60°-80°)	458.0	5.4	B1/500		G1/500
BVH (80°-90°)	36.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	983.5	983.5	983.5	983.5	983.5	983.5	983.5	983.5	983.5	983.5	983.5
2.5°	1089.5	1087.7	1088.9	1087.7	1081.0	1064.5	1051.1	1034.0	1022.5	1015.8	999.9
5°	1217.5	1215.6	1211.4	1205.3	1193.1	1170.5	1137.0	1099.9	1077.3	1060.3	1026.7
7.5°	1309.5	1309.5	1308.9	1301.5	1293.0	1269.3	1229.6	1180.9	1148.0	1118.7	1063.9
10°	1356.4	1359.4	1363.7	1374.1	1372.2	1359.4	1322.3	1269.9	1228.4	1194.3	1112.7
12.5°	1382.0	1383.8	1391.1	1412.4	1434.4	1437.4	1415.5	1360.7	1315.6	1269.9	1166.9
15°	1414.9	1415.5	1425.2	1450.8	1483.1	1515.4	1509.9	1455.1	1408.8	1358.2	1227.2
17.5°	1440.5	1444.7	1462.4	1492.3	1532.5	1577.0	1603.8	1569.7	1512.4	1454.5	1293.0
20°	1449.6	1452.7	1475.8	1521.5	1576.4	1639.1	1698.8	1689.7	1631.8	1563.6	1367.4
22.5°	1482.5	1482.5	1499.6	1538.0	1602.6	1694.0	1790.8	1814.6	1763.4	1683.6	1447.2
25°	1555.0	1552.6	1560.5	1576.4	1625.1	1737.8	1881.6	1952.9	1895.7	1806.1	1527.0
27.5°	1654.4	1653.1	1652.5	1655.0	1671.4	1776.2	1958.4	2082.1	2024.8	1923.7	1598.3
30°	1762.2	1758.6	1766.5	1759.2	1755.5	1821.9	2023.6	2197.9	2153.4	2040.1	1657.4
32.5°	1909.1	1902.4	1900.5	1876.8	1862.1	1893.2	2076.0	2329.5	2294.2	2165.6	1723.8
35°	2102.8	2096.7	2065.7	2027.9	1984.6	1999.2	2141.2	2458.1	2460.5	2322.8	1811.0
37.5°	2298.4	2299.6	2275.3	2186.3	2141.8	2133.3	2240.5	2614.7	2667.1	2510.5	1923.7
40°	2461.1	2468.4	2468.4	2374.6	2308.2	2300.3	2380.1	2800.5	2904.7	2740.8	2066.3
42.5°	2584.8	2591.5	2612.8	2545.2	2475.1	2502.6	2549.5	2987.0	3174.0	3025.4	2246.6
45°	2720.7	2726.2	2737.8	2698.8	2657.9	2731.1	2741.4	3210.0	3482.4	3344.7	2456.2
47.5°	2901.1	2896.2	2897.4	2868.8	2837.1	2955.3	2952.9	3397.7	3780.3	3694.4	2683.5
50°	3125.3	3134.4	3125.9	3069.2	3032.1	3139.9	3153.9	3605.5	4042.4	4040.5	2912.6
52.5°	3341.0	3344.7	3389.8	3392.2	3316.0	3293.5	3330.0	3815.1	4263.5	4357.4	3132.6
55°	3352.0	3366.0	3501.3	3598.8	3721.8	3540.9	3508.0	4014.9	4477.4	4667.5	3361.1
57.5°	3118.6	3141.1	3370.9	3581.1	3923.5	3965.6	3812.6	4273.3	4691.3	4972.8	3625.6
60°	2620.2	2667.1	2979.1	3300.8	3832.7	4270.9	4436.0	4624.3	4972.2	5284.8	3946.7
62.5°	1673.2	1691.5	2129.0	2667.7	3423.9	4241.0	5114.8	5242.8	5400.0	5691.2	4441.5
65°	837.8	896.3	1152.9	1592.2	2469.0	3737.1	5457.9	6375.5	6183.0	6387.1	5243.4
67.5°	568.5	587.4	717.2	956.7	1447.8	2647.6	5245.2	7329.7	7273.1	7306.6	6098.3
70°	419.2	431.4	533.8	677.6	875.6	1503.2	4175.8	7257.8	7644.8	7632.6	6008.7
72.5°	305.9	312.0	389.4	517.3	648.9	777.5	2550.1	5863.1	6673.5	7025.1	5254.9
75°	222.4	229.7	270.5	386.9	504.5	485.0	1258.9	4234.9	5089.2	5765.6	4281.2
77.5°	165.7	174.9	193.8	242.5	353.4	347.3	544.1	2749.9	3291.7	3765.7	2600.7
80°	119.4	121.3	132.2	155.4	224.2	203.5	259.0	1433.8	1644.0	1801.2	1019.4
82.5°	72.5	74.3	88.4	95.7	138.9	128.0	134.7	464.3	665.4	706.2	380.8
85°	21.3	22.5	40.2	43.9	57.9	54.8	54.2	188.9	225.5	288.2	149.9
87.5°	0.0	0.0	0.0	0.0	0.6	3.7	6.7	33.5	50.6	70.1	36.6
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°	983.5	983.5	983.5	983.5	983.5	983.5	983.5	983.5	983.5	983.5	983.5
2.5°	993.8	979.8	972.5	959.7	950.6	941.4	932.3	923.8	920.1	914.6	915.8
5°	1011.5	989.6	967.6	942.6	921.3	903.7	887.8	873.8	867.7	862.2	864.7
7.5°	1038.3	1005.4	963.4	917.7	884.2	859.8	843.3	833.6	830.5	826.3	826.3
10°	1072.4	1023.1	949.4	884.2	843.9	824.4	817.1	816.5	819.6	820.2	819.0
12.5°	1110.2	1040.1	928.6	844.5	810.4	804.3	809.8	820.2	830.5	836.0	834.8
15°	1149.2	1051.1	893.3	806.8	786.0	794.0	811.6	832.4	852.5	862.8	862.2
17.5°	1185.8	1053.5	847.6	770.2	764.7	784.8	815.3	847.6	875.0	889.6	890.2
20°	1226.6	1049.3	800.7	737.3	743.4	776.3	816.5	855.5	887.8	902.4	906.1
22.5°	1263.8	1034.7	755.0	706.2	725.1	765.9	806.8	843.3	872.0	886.0	890.9
25°	1297.3	1006.6	705.0	680.0	711.1	751.3	782.4	808.0	828.1	836.6	843.3
27.5°	1315.6	964.6	667.2	659.3	697.7	730.6	747.7	755.6	762.3	759.8	764.7
30°	1319.2	912.2	634.3	642.9	677.6	702.0	705.6	697.7	686.1	667.2	671.5
32.5°	1315.6	851.9	606.9	625.2	655.0	669.7	664.8	644.1	616.0	586.8	588.6
35°	1316.8	790.9	584.4	605.7	628.8	636.8	624.6	595.9	566.1	539.3	538.0
37.5°	1330.2	739.7	565.5	586.8	603.2	604.5	591.1	561.2	546.0	525.9	523.4
40°	1367.4	702.0	548.4	567.9	578.3	577.7	562.4	541.1	551.5	544.7	542.9
42.5°	1428.3	678.8	534.4	547.8	555.1	556.3	544.1	530.7	553.3	544.7	541.7
45°	1526.4	677.6	524.6	527.7	539.3	547.8	539.3	524.0	532.6	491.1	483.2
47.5°	1642.8	698.3	517.3	510.0	530.1	545.4	532.0	507.6	489.9	452.1	446.6
50°	1782.9	740.3	510.6	491.1	516.7	536.2	522.8	489.3	462.5	442.4	439.3
52.5°	1949.3	795.8	502.1	469.8	496.6	531.3	522.8	487.5	452.1	433.8	430.8
55°	2123.5	859.8	492.3	444.2	474.1	532.6	527.1	474.7	444.2	434.5	432.0
57.5°	2339.9	936.6	474.7	414.4	454.0	521.6	510.0	467.4	438.7	430.8	428.4
60°	2620.8	1050.5	441.2	383.9	430.8	502.1	494.8	455.2	424.1	417.4	415.6
62.5°	3065.6	1243.7	400.3	354.6	403.4	461.3	472.2	432.0	405.8	405.2	404.6
65°	3790.7	1475.8	352.2	328.4	374.7	427.8	442.4	408.3	386.9	393.6	393.0
67.5°	4298.9	1495.9	312.6	301.0	341.2	391.2	412.5	383.9	360.7	373.5	372.9
70°	3937.6	1166.9	278.5	272.4	305.3	351.6	380.2	353.4	330.3	342.4	340.0
72.5°	3320.9	894.5	246.2	242.5	268.7	310.2	338.8	322.9	298.6	298.6	293.1
75°	2668.9	737.9	212.1	210.2	227.9	268.1	300.4	273.6	251.0	249.8	246.2
77.5°	1530.7	483.8	177.9	176.7	182.2	224.2	233.4	227.9	210.8	202.9	200.5
80°	609.9	251.7	140.1	132.2	137.7	164.5	184.0	174.9	160.3	150.5	145.0
82.5°	236.4	126.1	98.7	86.5	94.4	118.8	133.4	130.4	120.6	98.7	92.6
85°	96.3	61.5	59.1	50.0	54.8	64.0	76.8	66.4	54.8	39.0	37.2
87.5°	25.6	22.5	21.9	13.4	10.4	3.0	0.6	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)