

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: P634590

Luminaire Tested: GWS-SA3C-722-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10477.3 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 93
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

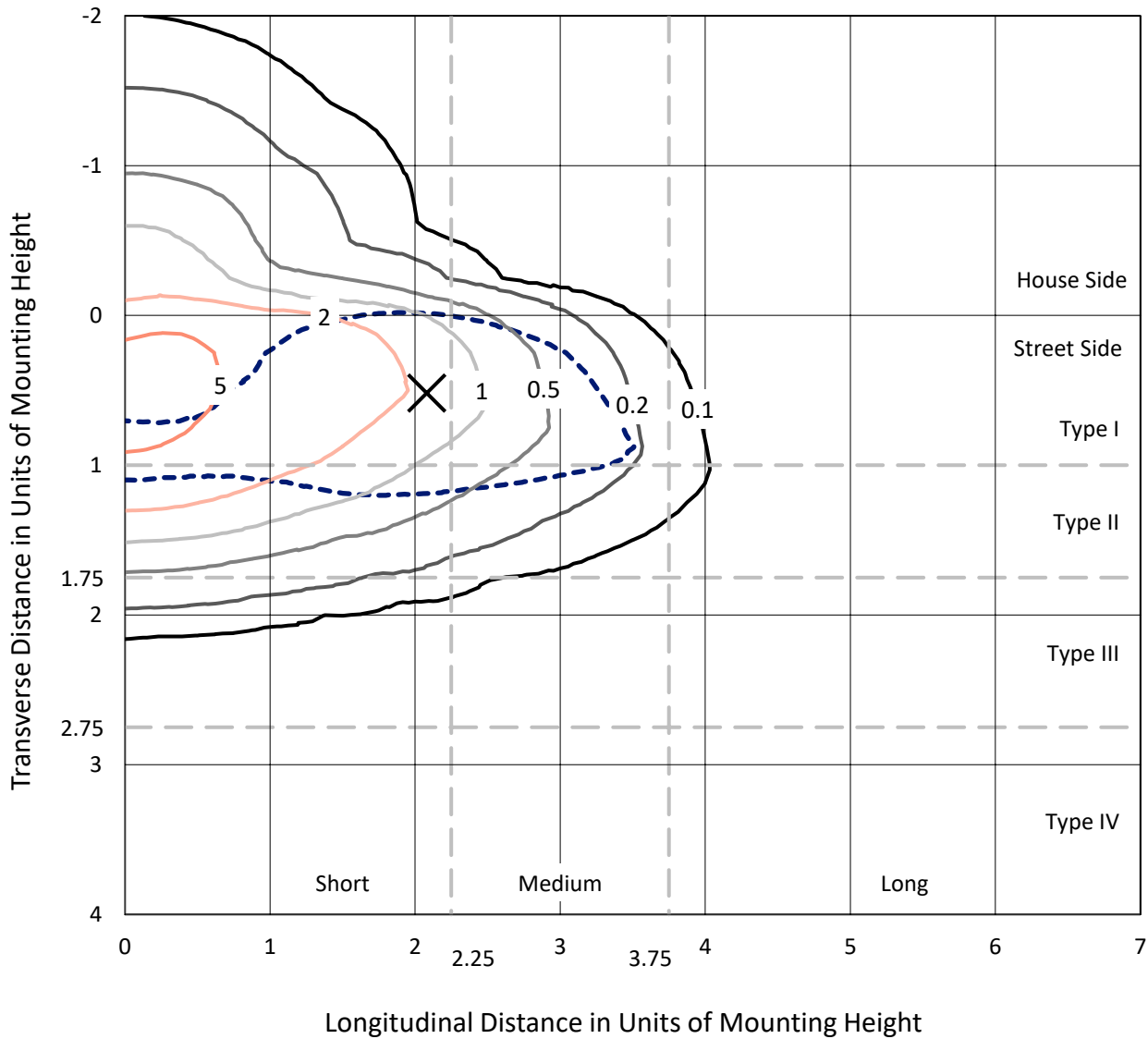


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Iso-Footcandle Lines of Horizontal Illumination

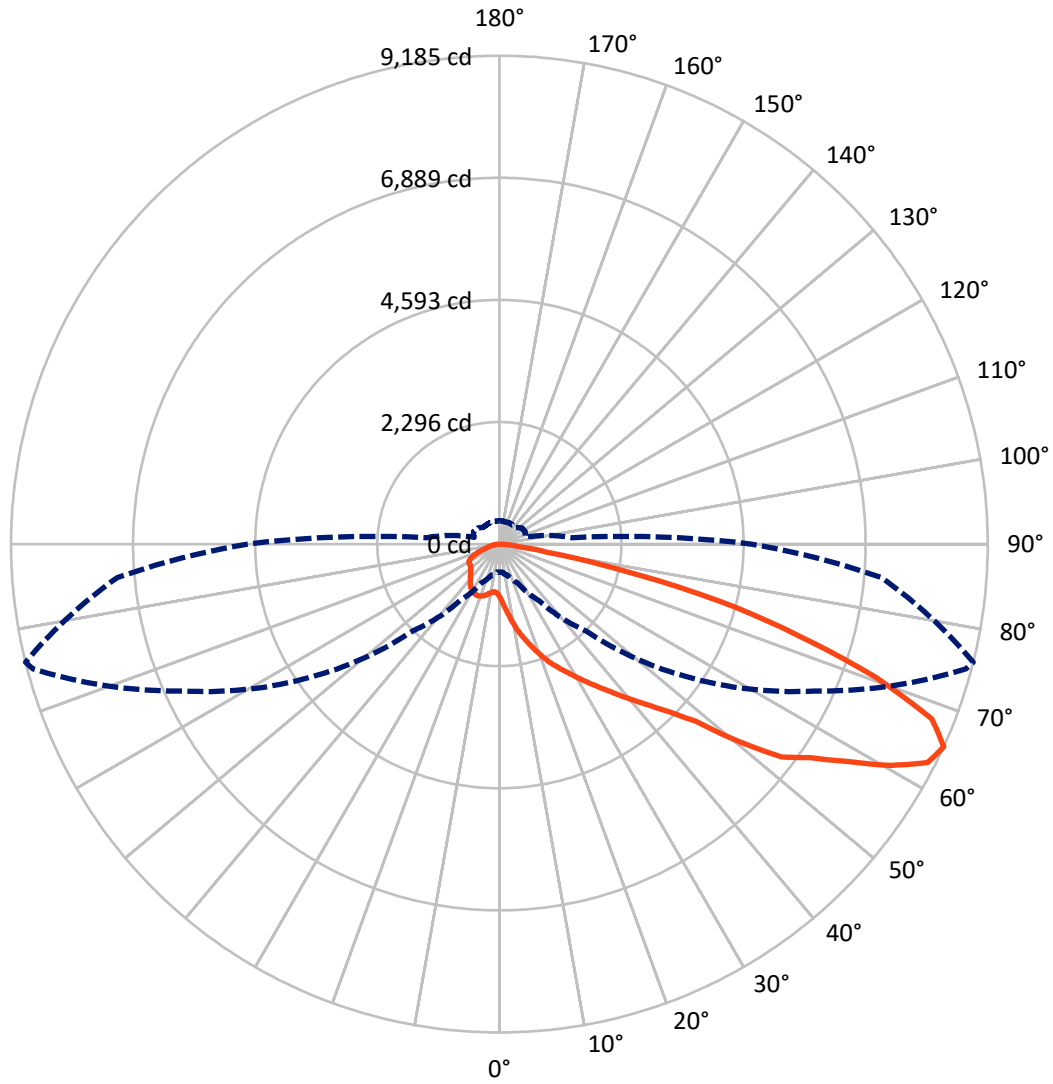
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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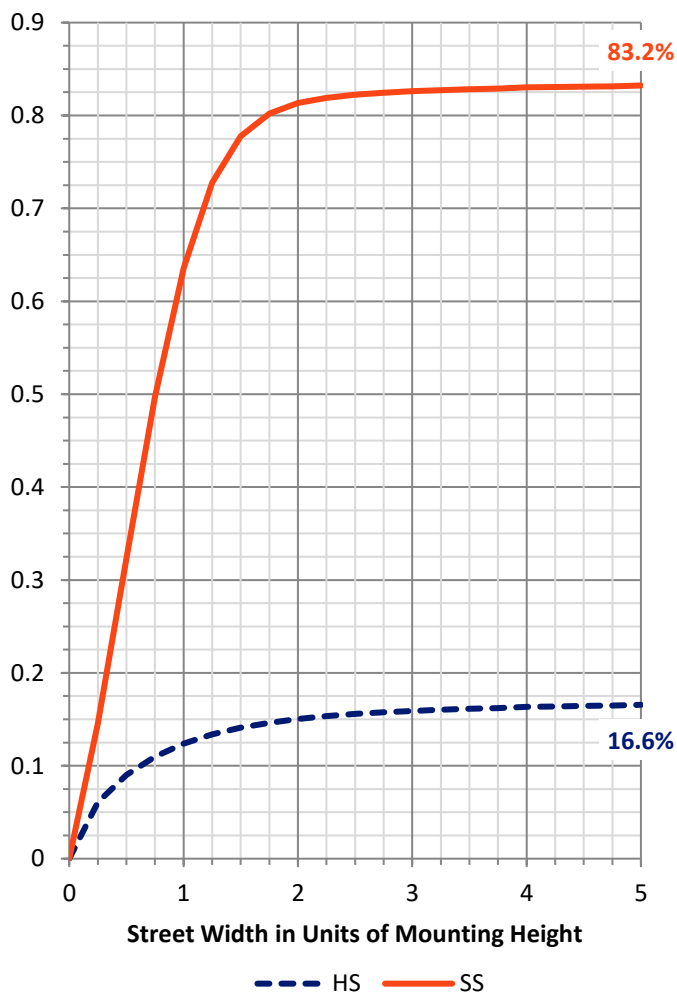
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1751.3	0.0	1751.3
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	8726.0	0.0	8726.0
	% Fixture	83.3	0.0	83.3
Total	Lumens	10477.3	0.0	10477.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	1.1
10°-20°	449.0	4.3
20°-30°	875.0	8.4
30°-40°	1463.4	14.0
40°-50°	2095.2	20.0
50°-60°	2480.5	23.7
60°-70°	2062.5	19.7
70°-80°	844.0	8.1
80°-90°	89.9	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°	10477.3	100.0
0°-180°	10477.3	100.0

Coefficient of Utilization



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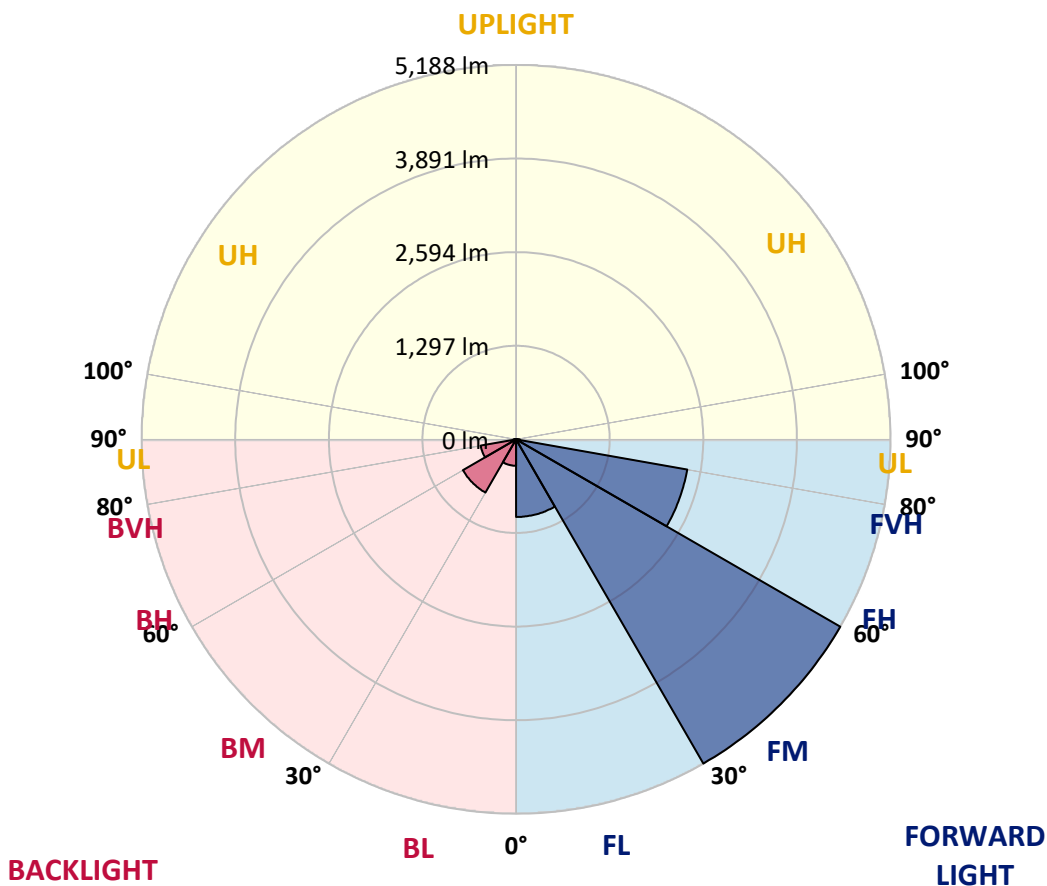
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1075.5	10.3			
FM (30°-60°)	5188.0	49.5			
FH (60°-80°)	2409.0	23.0			G2/5000
FVH (80°-90°)	53.6	0.5			G1/100
BL (0°-30°)	366.4	3.5	B1/500		
BM (30°-60°)	851.1	8.1	B1/1000		
BH (60°-80°)	497.6	4.7	B1/500		G1/500
BVH (80°-90°)	36.3	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2
2.5°	1390.6	1395.8	1378.9	1373.0	1333.2	1279.4	1234.5	1166.7	1104.1	1094.5	1038.6
5°	1766.3	1744.2	1725.1	1712.5	1657.3	1596.2	1501.1	1373.7	1240.4	1224.2	1103.4
7.5°	1989.5	1985.8	1962.2	1954.9	1912.1	1851.0	1753.0	1594.7	1401.0	1374.4	1191.0
10°	2168.5	2166.3	2154.5	2161.1	2122.1	2062.4	1967.4	1803.9	1577.0	1550.5	1289.0
12.5°	2324.6	2328.3	2326.1	2350.4	2330.5	2284.1	2185.4	2005.7	1753.0	1724.3	1408.3
15°	2438.8	2441.7	2452.8	2505.8	2516.9	2507.3	2407.1	2203.8	1926.9	1885.6	1531.3
17.5°	2471.2	2477.1	2503.6	2589.0	2648.7	2688.5	2614.1	2405.6	2097.8	2052.8	1656.5
20°	2514.7	2521.3	2547.8	2636.9	2724.6	2815.2	2801.9	2610.4	2270.1	2233.3	1783.2
22.5°	2715.7	2710.6	2698.8	2741.5	2804.1	2916.8	2950.0	2807.1	2448.4	2413.0	1923.2
25°	3103.2	3093.6	3018.5	2979.4	2958.8	3027.3	3086.2	2986.1	2622.2	2569.2	2053.6
27.5°	3530.4	3525.2	3429.5	3336.7	3210.0	3180.5	3215.1	3142.2	2790.9	2737.1	2167.0
30°	3934.8	3919.3	3819.1	3702.7	3533.3	3406.6	3355.8	3295.4	2975.7	2919.8	2299.6
32.5°	4296.4	4276.5	4158.7	4029.8	3852.3	3702.7	3551.0	3458.2	3184.9	3120.1	2435.1
35°	4593.3	4573.4	4452.6	4315.6	4120.4	4009.9	3802.2	3635.0	3397.8	3332.2	2594.9
37.5°	4823.1	4804.7	4678.7	4543.9	4373.8	4286.1	4105.6	3833.9	3643.1	3574.6	2764.4
40°	4952.0	4938.7	4837.8	4731.0	4588.1	4512.2	4431.2	4085.0	3917.8	3849.3	2964.0
42.5°	4991.0	4982.2	4911.5	4856.2	4759.7	4702.3	4748.7	4380.4	4211.0	4151.3	3188.6
45°	4893.0	4893.0	4872.4	4900.4	4904.8	4904.1	5066.9	4714.1	4571.2	4505.6	3505.3
47.5°	4642.6	4658.8	4689.0	4826.8	4971.9	5093.4	5438.8	5158.9	5034.5	4980.7	3953.9
50°	4184.5	4228.7	4331.8	4600.6	4909.2	5218.6	5790.9	5816.7	5935.3	5840.3	4613.9
52.5°	3513.4	3506.8	3769.8	4152.8	4623.5	5223.8	5984.6	6397.1	6716.1	6650.5	5104.4
55°	2792.3	2781.3	3026.6	3554.7	4185.2	5026.4	6101.0	6663.0	7149.2	7090.2	5545.6
57.5°	2138.3	2124.3	2342.3	2818.9	3566.5	4607.3	6078.9	6979.7	7745.0	7714.8	6145.2
60°	1471.7	1454.7	1658.8	2075.7	2834.3	3966.4	5834.4	7142.5	8442.6	8452.9	6786.8
62.5°	883.9	874.3	1022.4	1345.7	2038.8	3172.4	5262.1	7043.8	8998.0	9044.4	7199.2
65°	533.3	526.6	613.6	802.9	1293.4	2315.0	4379.7	6539.3	9078.2	9185.0	7208.8
67.5°	388.2	388.9	414.0	489.1	754.2	1495.2	3286.6	5634.8	8659.9	8770.4	6754.4
70°	337.3	338.8	352.1	369.0	455.9	855.9	2136.8	4448.2	7423.2	7508.6	5665.0
72.5°	299.8	299.8	308.6	317.5	356.5	521.5	1144.6	3109.1	5858.7	5881.5	4323.7
75°	263.7	261.5	265.9	270.3	309.4	364.6	556.8	2166.3	4327.4	4274.3	2794.6
77.5°	209.9	207.7	208.4	212.9	248.2	260.7	282.1	1353.1	2438.8	2301.8	1234.5
80°	149.5	148.1	156.2	167.2	183.4	159.8	176.8	654.8	967.1	900.1	478.8
82.5°	89.1	92.1	104.6	113.4	126.7	100.2	114.2	218.8	342.5	333.7	194.5
85°	12.5	13.3	37.6	43.5	54.5	39.0	60.4	98.7	137.0	146.6	68.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	17.7	39.0	39.8	16.9
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°	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2
2.5°	1009.8	975.2	925.9	884.6	850.0	822.0	798.4	780.8	775.6	768.2	768.2
5°	1046.7	984.1	895.7	833.1	797.0	775.6	760.9	753.5	749.8	745.4	743.2
7.5°	1097.5	1009.8	890.5	827.2	799.2	785.9	776.3	771.9	769.0	764.6	764.6
10°	1167.5	1048.1	906.7	847.8	825.7	812.4	801.4	794.0	787.4	780.8	779.3
12.5°	1243.3	1098.2	936.2	875.8	852.2	836.0	820.5	809.5	801.4	793.3	791.1
15°	1327.3	1149.8	967.9	903.0	873.6	851.5	833.1	816.1	805.1	793.3	791.8
17.5°	1409.8	1202.1	994.4	921.5	883.9	856.6	830.1	808.0	794.0	780.8	777.1
20°	1508.5	1254.4	1012.8	926.6	881.7	845.6	813.9	785.9	770.5	755.0	752.8
22.5°	1599.1	1303.0	1021.6	919.2	864.7	822.0	785.2	755.0	738.0	722.6	719.6
25°	1686.7	1345.7	1017.9	901.6	839.0	789.6	751.3	721.1	704.9	688.7	684.3
27.5°	1771.5	1374.4	1003.2	874.3	806.5	753.5	716.7	689.4	675.4	661.4	655.5
30°	1854.7	1401.0	980.4	839.0	765.3	715.9	685.7	666.6	652.6	637.9	633.5
32.5°	1938.7	1420.1	945.8	797.7	723.3	682.8	664.4	650.4	635.7	620.9	616.5
35°	2023.4	1428.2	903.8	750.6	688.0	661.4	654.8	638.6	618.7	601.0	595.1
37.5°	2124.3	1435.6	851.5	704.2	657.0	651.1	649.7	625.3	601.8	577.5	570.8
40°	2245.8	1445.2	797.7	662.2	632.0	647.4	641.6	608.4	561.3	537.7	530.3
42.5°	2394.6	1462.8	741.7	623.9	613.6	633.5	626.8	567.2	535.5	522.2	518.5
45°	2613.4	1527.6	685.7	593.7	599.6	613.6	603.3	542.9	530.3	521.5	517.1
47.5°	3003.0	1627.1	637.1	570.8	588.5	595.9	556.1	536.2	526.6	514.9	509.7
50°	3408.1	1670.5	598.1	556.8	576.0	579.7	530.3	527.4	520.8	508.2	503.1
52.5°	3682.1	1664.7	574.5	551.7	565.7	551.7	518.5	517.8	513.4	498.7	492.8
55°	3991.5	1675.0	564.2	553.2	561.3	504.6	503.8	506.0	503.8	487.6	484.7
57.5°	4409.1	1706.6	559.1	558.3	558.3	481.7	489.8	492.8	488.3	481.0	478.8
60°	4810.5	1708.8	549.5	564.2	556.1	467.7	473.6	476.6	471.4	469.9	469.2
62.5°	4961.5	1602.8	528.1	559.8	547.3	452.3	456.7	458.1	453.0	456.7	455.9
65°	4736.9	1377.4	492.8	538.4	520.0	438.3	435.3	439.0	430.2	439.7	440.5
67.5°	4205.8	1094.5	439.0	497.9	481.7	422.8	416.9	416.9	402.2	416.9	416.2
70°	3391.2	773.4	360.2	433.1	439.7	404.4	401.4	384.5	360.9	383.0	380.8
72.5°	2570.6	555.4	283.6	342.5	378.6	378.6	379.3	350.6	323.4	333.7	324.8
75°	1628.6	391.1	226.9	262.2	296.8	332.2	349.1	296.1	271.8	267.4	263.0
77.5°	733.6	257.1	176.8	201.1	210.7	262.2	318.9	254.9	221.7	212.1	209.2
80°	307.2	159.8	126.0	142.2	129.6	220.2	281.4	198.1	162.8	149.5	139.9
82.5°	134.8	95.0	80.3	76.6	81.0	163.5	209.9	131.8	101.6	137.7	139.2
85°	56.7	50.1	41.2	37.6	33.1	62.6	98.7	51.6	63.3	36.1	29.5
87.5°	13.3	14.7	11.0	7.4	4.4	0.7	0.0	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)