

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: P635085

Luminaire Tested: GWS-SA3D-722-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635085
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-SA3D-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: 13217.8 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

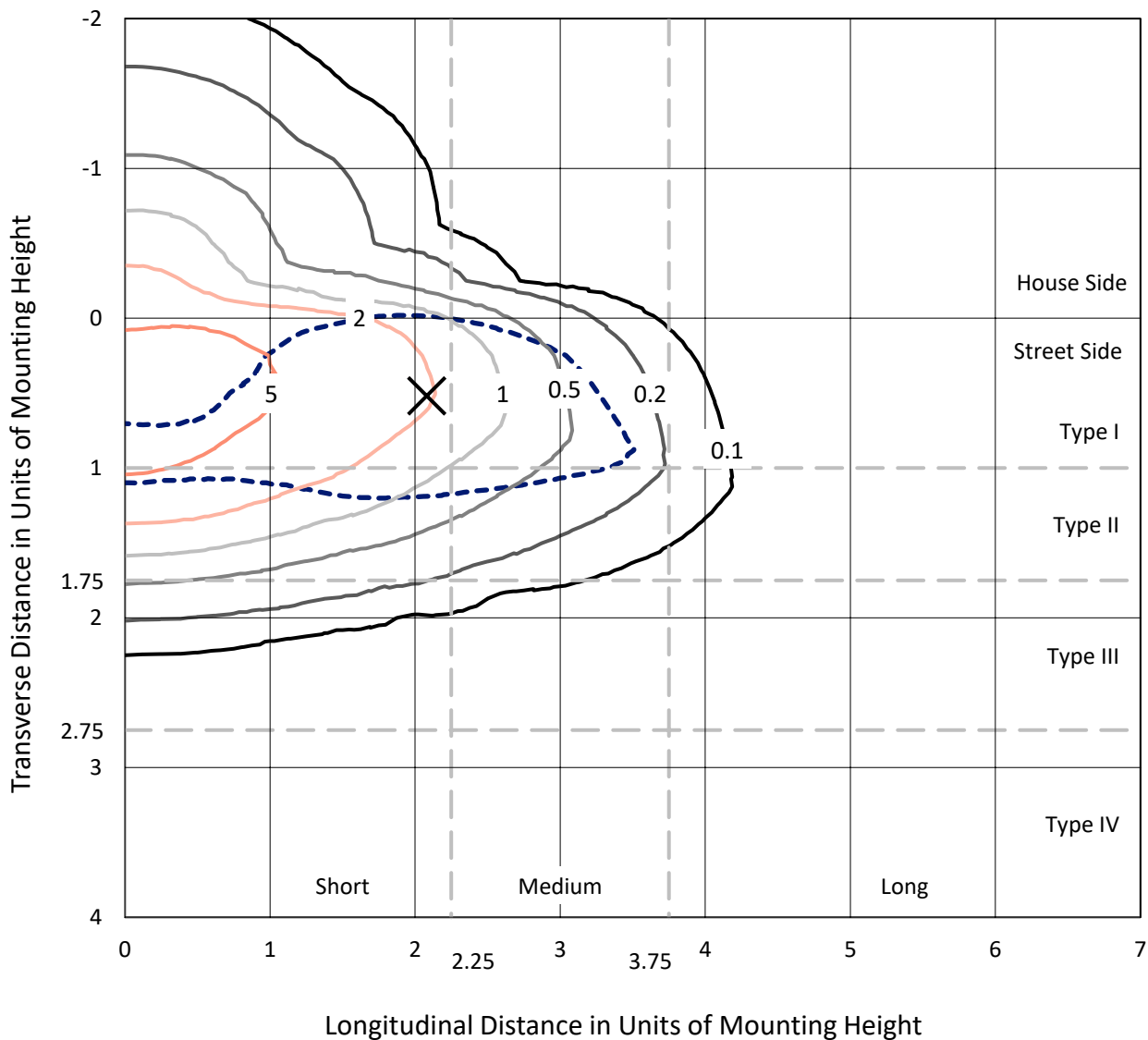
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

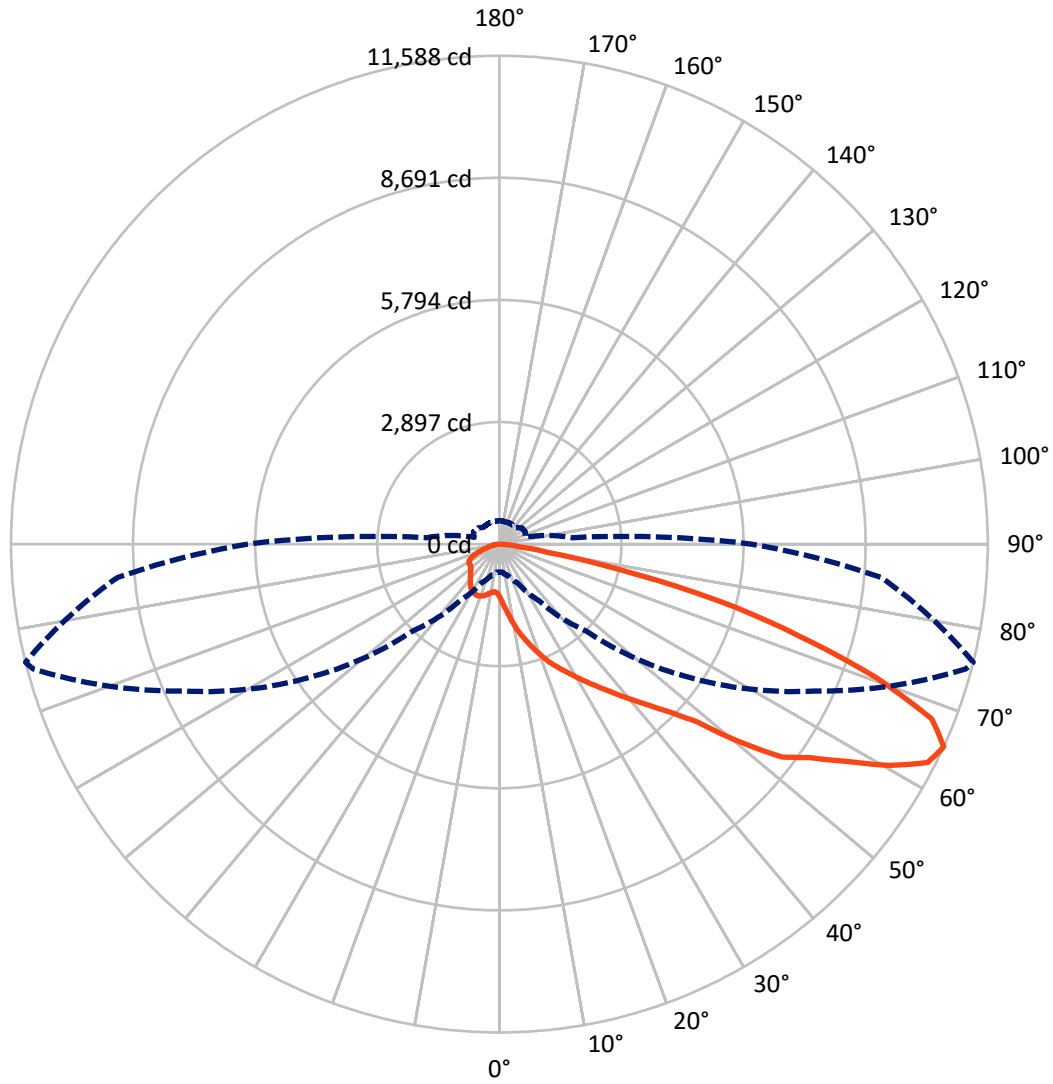
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.1 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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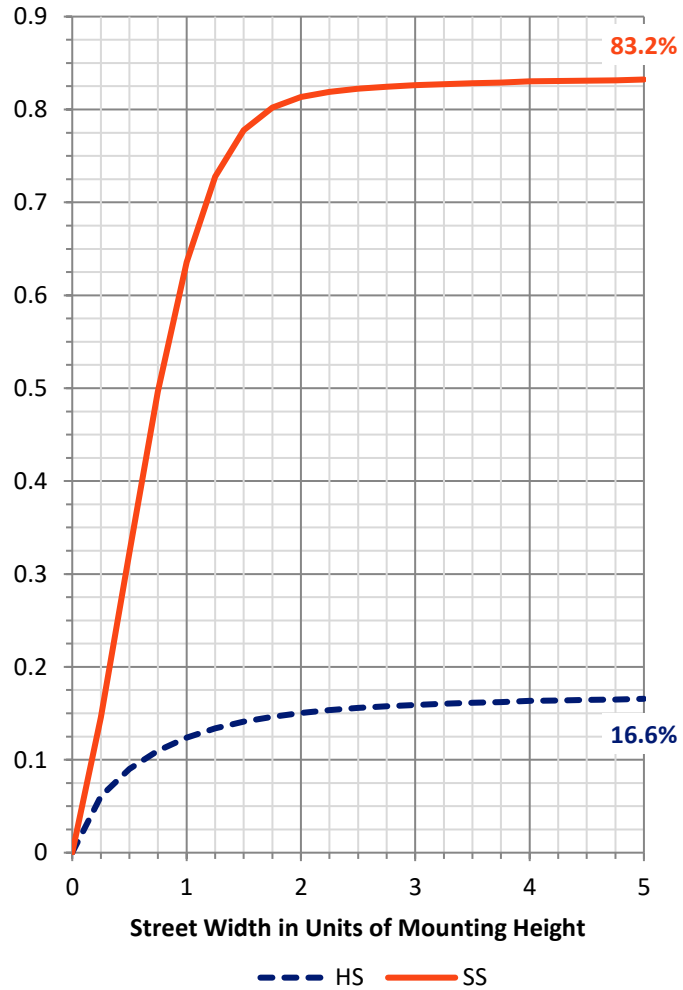
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2209.4	0.0	2209.4
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	11008.4	0.0	11008.4
	% Fixture	83.3	0.0	83.3
Total	Lumens	13217.8	0.0	13217.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	1.1
10°-20°	566.4	4.3
20°-30°	1103.8	8.4
30°-40°	1846.1	14.0
40°-50°	2643.3	20.0
50°-60°	3129.3	23.7
60°-70°	2602.0	19.7
70°-80°	1064.8	8.1
80°-90°	113.4	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°	13217.8	100.0
0°-180°	13217.8	100.0

Coefficient of Utilization



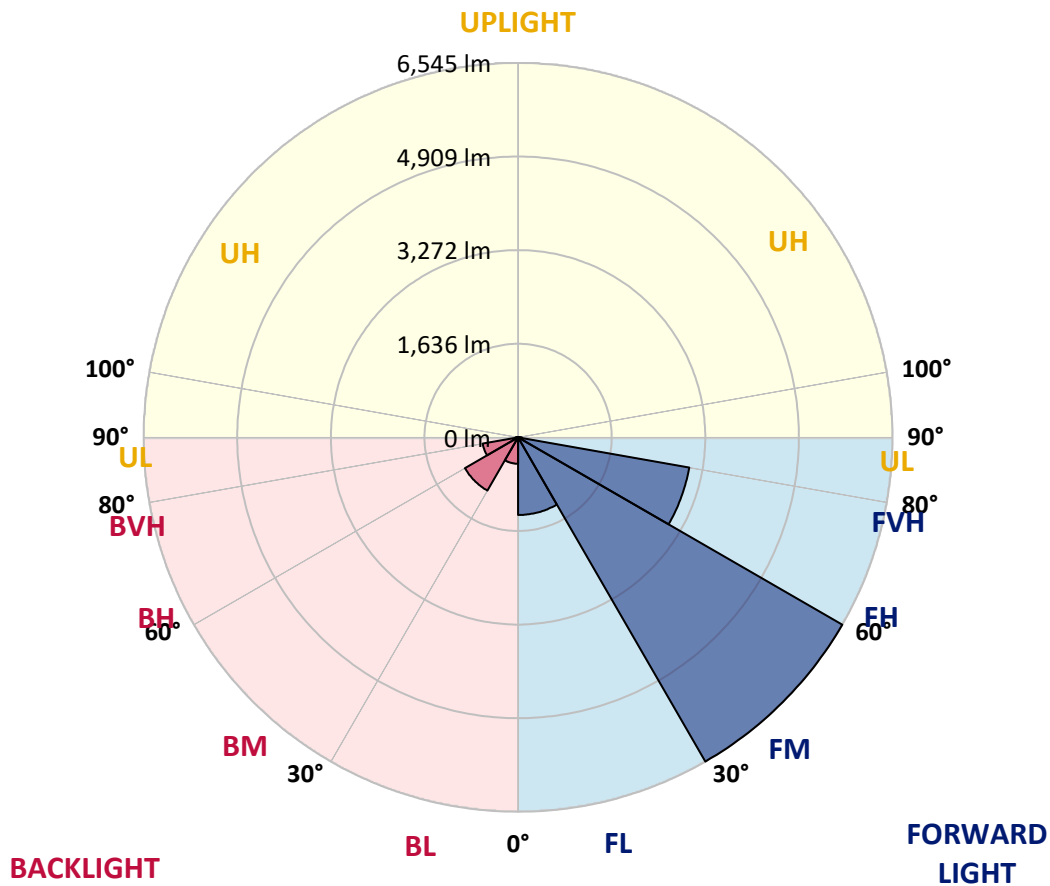
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1356.8	10.3			
FM (30°-60°)	6545.0	49.5			
FH (60°-80°)	3039.1	23.0			G2/5000
FVH (80°-90°)	67.6	0.5			G1/100
BL (0°-30°)	462.2	3.5	B1/500		
BM (30°-60°)	1073.7	8.1	B2/2500		
BH (60°-80°)	627.7	4.7	B2/1000		G2/1000
BVH (80°-90°)	45.7	0.3			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1251.7	1251.7	1251.7	1251.7	1251.7	1251.7	1251.7	1251.7	1251.7	1251.7	1251.7
2.5°	1754.4	1760.9	1739.5	1732.1	1681.9	1614.1	1557.4	1471.9	1392.9	1380.8	1310.2
5°	2228.3	2200.4	2176.3	2160.5	2090.8	2013.6	1893.8	1733.0	1564.8	1544.4	1392.0
7.5°	2509.9	2505.2	2475.5	2466.2	2412.3	2335.2	2211.6	2011.8	1767.4	1733.9	1502.6
10°	2735.7	2732.9	2718.0	2726.4	2677.1	2601.9	2482.0	2275.7	1989.5	1956.0	1626.2
12.5°	2932.7	2937.3	2934.5	2965.2	2940.1	2881.6	2757.0	2530.3	2211.6	2175.3	1776.7
15°	3076.7	3080.4	3094.3	3161.3	3175.2	3163.1	3036.7	2780.3	2430.9	2378.8	1931.9
17.5°	3117.6	3125.0	3158.5	3266.3	3341.5	3391.7	3297.8	3034.9	2646.5	2589.8	2089.8
20°	3172.4	3180.8	3214.2	3326.7	3437.2	3551.5	3534.8	3293.2	2863.9	2817.4	2249.7
22.5°	3426.1	3419.6	3404.7	3458.6	3537.6	3679.8	3721.6	3541.3	3088.8	3044.2	2426.2
25°	3914.9	3902.8	3808.0	3758.7	3732.7	3819.1	3893.5	3767.1	3308.1	3241.2	2590.7
27.5°	4453.8	4447.3	4326.5	4209.4	4049.6	4012.4	4056.1	3964.1	3520.9	3453.0	2733.8
30°	4964.0	4944.4	4818.1	4671.3	4457.5	4297.7	4233.6	4157.4	3754.1	3683.5	2901.1
32.5°	5420.2	5395.1	5246.4	5083.8	4859.9	4671.3	4479.8	4362.7	4018.0	3936.2	3072.0
35°	5794.7	5769.6	5617.2	5444.4	5198.1	5058.7	4796.7	4585.8	4286.6	4203.8	3273.7
37.5°	6084.6	6061.4	5902.5	5732.4	5517.8	5407.2	5179.5	4836.7	4596.0	4509.6	3487.4
40°	6247.2	6230.5	6103.2	5968.5	5788.2	5692.5	5590.3	5153.5	4942.6	4856.2	3739.2
42.5°	6296.5	6285.3	6196.1	6126.4	6004.7	5932.2	5990.8	5526.1	5312.4	5237.2	4022.6
45°	6172.9	6172.9	6146.9	6182.2	6187.8	6186.8	6392.2	5947.1	5766.8	5684.1	4422.2
47.5°	5857.0	5877.4	5915.5	6089.3	6272.3	6425.6	6861.5	6508.3	6351.3	6283.5	4988.1
50°	5279.0	5334.7	5464.8	5804.0	6193.3	6583.6	7305.6	7338.2	7487.8	7367.9	5820.7
52.5°	4432.4	4424.1	4755.8	5239.0	5832.8	6590.1	7550.0	8070.4	8472.7	8390.0	6439.6
55°	3522.7	3508.8	3818.2	4484.5	5279.9	6341.1	7696.8	8405.8	9019.1	8944.8	6996.2
57.5°	2697.6	2679.9	2955.0	3556.2	4499.3	5812.4	7669.0	8805.4	9770.9	9732.8	7752.6
60°	1856.6	1835.2	2092.6	2618.6	3575.7	5003.9	7360.5	9010.8	10650.9	10663.9	8562.0
62.5°	1115.1	1103.0	1289.8	1697.7	2572.1	4002.2	6638.4	8886.3	11351.5	11410.1	9082.3
65°	672.8	664.4	774.1	1012.9	1631.7	2920.6	5525.2	8249.7	11452.8	11587.5	9094.4
67.5°	489.7	490.6	522.2	617.0	951.5	1886.3	4146.2	7108.6	10925.0	11064.4	8521.1
70°	425.6	427.4	444.2	465.5	575.2	1079.8	2695.7	5611.6	9364.8	9472.6	7146.7
72.5°	378.2	378.2	389.3	400.5	449.7	657.9	1444.0	3922.3	7391.1	7419.9	5454.6
75°	332.7	329.9	335.5	341.0	390.3	460.0	702.5	2732.9	5459.2	5392.3	3525.5
77.5°	264.8	262.0	263.0	268.5	313.2	328.9	355.9	1707.0	3076.7	2903.9	1557.4
80°	188.6	186.8	197.0	210.9	231.4	201.6	223.0	826.1	1220.1	1135.5	604.0
82.5°	112.4	116.2	132.0	143.1	159.8	126.4	144.0	276.0	432.1	420.9	245.3
85°	15.8	16.7	47.4	54.8	68.8	49.2	76.2	124.5	172.8	184.9	86.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.5	22.3	49.2	50.2	21.4
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°	1251.7	1251.7	1251.7	1251.7	1251.7	1251.7	1251.7	1251.7	1251.7	1251.7	1251.7
2.5°	1274.0	1230.3	1168.0	1116.0	1072.3	1037.0	1007.3	985.0	978.5	969.2	969.2
5°	1320.4	1241.5	1129.9	1051.0	1005.4	978.5	959.9	950.6	946.0	940.4	937.6
7.5°	1384.6	1274.0	1123.4	1043.5	1008.2	991.5	979.4	973.8	970.1	964.5	964.5
10°	1472.8	1322.3	1143.9	1069.5	1041.7	1024.9	1011.0	1001.7	993.4	985.0	983.1
12.5°	1568.5	1385.5	1181.1	1104.9	1075.1	1054.7	1035.2	1021.2	1011.0	1000.8	998.0
15°	1674.5	1450.5	1221.0	1139.2	1102.1	1074.2	1051.0	1029.6	1015.7	1000.8	998.9
17.5°	1778.6	1516.5	1254.5	1162.5	1115.1	1080.7	1047.2	1019.4	1001.7	985.0	980.3
20°	1903.1	1582.5	1277.7	1169.0	1112.3	1066.8	1026.8	991.5	972.0	952.5	949.7
22.5°	2017.4	1643.8	1288.8	1159.7	1090.9	1037.0	990.6	952.5	931.1	911.6	907.9
25°	2127.9	1697.7	1284.2	1137.4	1058.4	996.1	947.8	909.7	889.3	868.8	863.3
27.5°	2234.8	1733.9	1265.6	1103.0	1017.5	950.6	904.1	869.8	852.1	834.5	827.0
30°	2339.8	1767.4	1236.8	1058.4	965.5	903.2	865.1	841.0	823.3	804.7	799.1
32.5°	2445.7	1791.6	1193.1	1006.4	912.5	861.4	838.2	820.5	801.9	783.3	777.8
35°	2552.6	1801.8	1140.2	946.9	867.9	834.5	826.1	805.6	780.6	758.3	750.8
37.5°	2679.9	1811.1	1074.2	888.3	828.9	821.4	819.6	788.9	759.2	728.5	720.2
40°	2833.2	1823.2	1006.4	835.4	797.3	816.8	809.4	767.5	708.1	678.3	669.0
42.5°	3020.9	1845.5	935.7	787.1	774.1	799.1	790.8	715.5	675.6	658.8	654.2
45°	3296.9	1927.2	865.1	749.0	756.4	774.1	761.0	684.8	669.0	657.9	652.3
47.5°	3788.5	2052.7	803.8	720.2	742.5	751.7	701.6	676.5	664.4	649.5	643.0
50°	4299.6	2107.5	754.5	702.5	726.7	731.3	669.0	665.3	657.0	641.2	634.7
52.5°	4645.2	2100.1	724.8	696.0	713.7	696.0	654.2	653.3	647.7	629.1	621.7
55°	5035.5	2113.1	711.8	697.9	708.1	636.5	635.6	638.4	635.6	615.2	611.4
57.5°	5562.4	2153.0	705.3	704.4	704.4	607.7	617.9	621.7	616.1	606.8	604.0
60°	6068.8	2155.8	693.2	711.8	701.6	590.1	597.5	601.2	594.7	592.9	591.9
62.5°	6259.3	2022.0	666.3	706.2	690.4	570.5	576.1	578.0	571.5	576.1	575.2
65°	5975.9	1737.7	621.7	679.3	656.0	552.9	549.2	553.8	542.7	554.8	555.7
67.5°	5305.9	1380.8	553.8	628.2	607.7	533.4	525.9	525.9	507.4	525.9	525.0
70°	4278.2	975.7	454.4	546.4	554.8	510.1	506.4	485.1	455.3	483.2	480.4
72.5°	3243.0	700.6	357.8	432.1	477.6	477.6	478.6	442.3	407.9	420.9	409.8
75°	2054.5	493.4	286.2	330.8	374.5	419.1	440.5	373.6	342.9	337.3	331.7
77.5°	925.5	324.3	223.0	253.7	265.8	330.8	402.4	321.5	279.7	267.6	263.9
80°	387.5	201.6	158.9	179.3	163.5	277.8	355.0	250.0	205.4	188.6	176.6
82.5°	170.0	119.9	101.3	96.6	102.2	206.3	264.8	166.3	128.2	173.8	175.6
85°	71.6	63.2	52.0	47.4	41.8	79.0	124.5	65.0	79.9	45.5	37.2
87.5°	16.7	18.6	13.9	9.3	5.6	0.9	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)