

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: P634095

Luminaire Tested: GWS-SA3B-722-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634095
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-SA3B-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: 7812.4 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

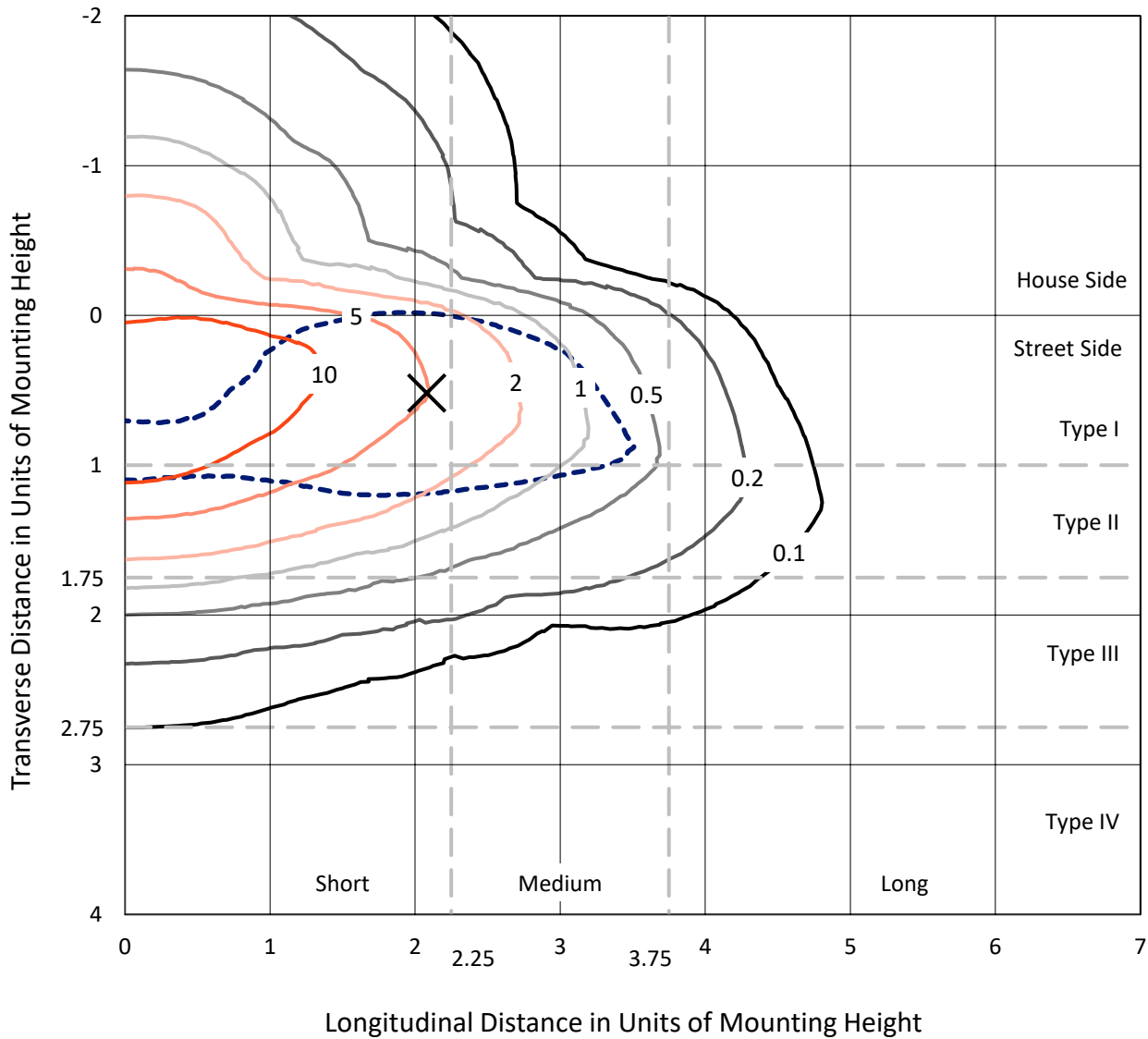
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

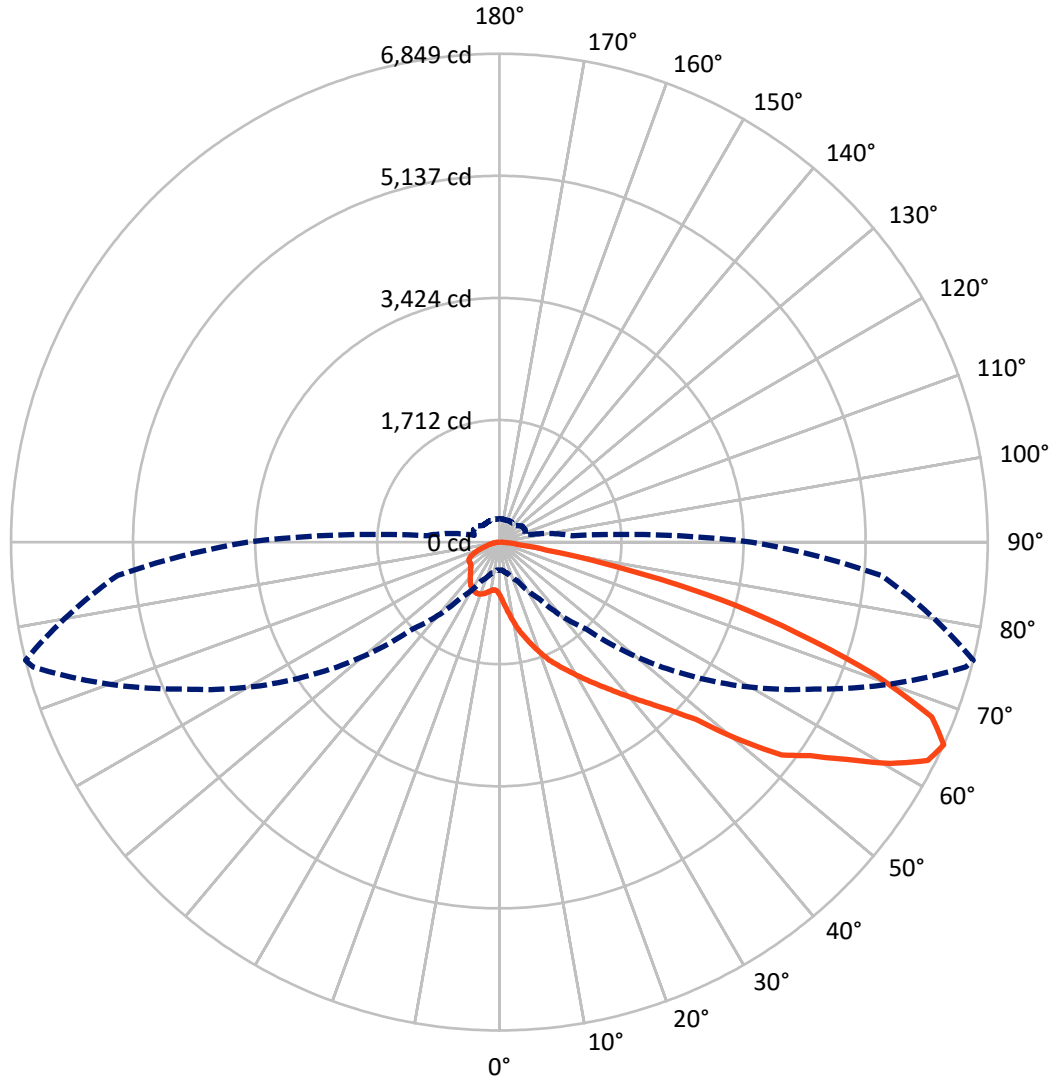
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.2 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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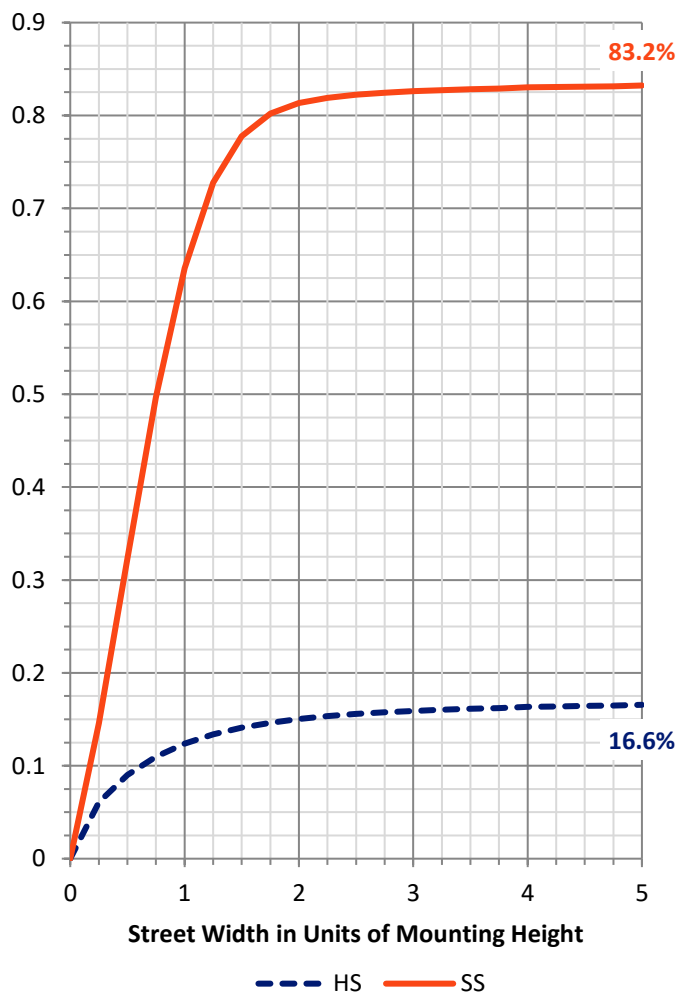
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1305.8	0.0	1305.8
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	6506.6	0.0	6506.6
	% Fixture	83.3	0.0	83.3
Total	Lumens	7812.4	0.0	7812.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	1.1
10°-20°	334.8	4.3
20°-30°	652.4	8.4
30°-40°	1091.1	14.0
40°-50°	1562.3	20.0
50°-60°	1849.6	23.7
60°-70°	1537.9	19.7
70°-80°	629.4	8.1
80°-90°	67.0	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°	7812.4	100.0
0°-180°	7812.4	100.0

Coefficient of Utilization



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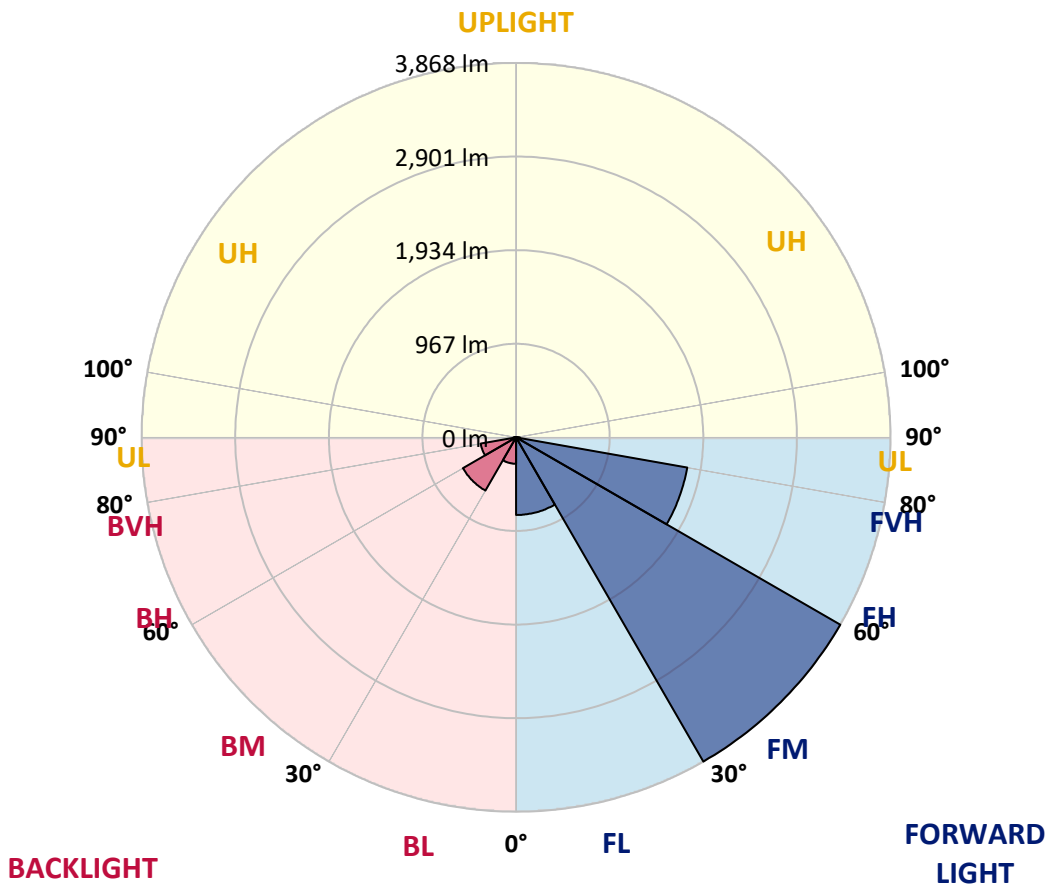
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	801.9	10.3			
FM (30°-60°)	3868.4	49.5			
FH (60°-80°)	1796.3	23.0			G1/1800
FVH (80°-90°)	40.0	0.5			G1/100
BL (0°-30°)	273.2	3.5	B1/500		
BM (30°-60°)	634.6	8.1	B1/1000		
BH (60°-80°)	371.0	4.7	B1/500		G1/500
BVH (80°-90°)	27.0	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8
2.5°	1036.9	1040.8	1028.1	1023.8	994.1	954.0	920.5	870.0	823.3	816.1	774.4
5°	1317.0	1300.6	1286.3	1276.9	1235.8	1190.2	1119.3	1024.3	924.9	912.8	822.7
7.5°	1483.5	1480.7	1463.1	1457.6	1425.8	1380.2	1307.2	1189.1	1044.6	1024.9	888.1
10°	1616.9	1615.3	1606.5	1611.4	1582.3	1537.8	1467.0	1345.1	1175.9	1156.1	961.1
12.5°	1733.4	1736.1	1734.5	1752.6	1737.7	1703.1	1629.5	1495.5	1307.2	1285.7	1050.1
15°	1818.5	1820.7	1828.9	1868.5	1876.7	1869.6	1794.9	1643.3	1436.8	1406.0	1141.8
17.5°	1842.6	1847.0	1866.8	1930.5	1975.0	2004.7	1949.2	1793.8	1564.2	1530.7	1235.2
20°	1875.1	1880.0	1899.8	1966.2	2031.6	2099.1	2089.3	1946.5	1692.7	1665.2	1329.7
22.5°	2025.0	2021.1	2012.4	2044.2	2090.9	2174.9	2199.6	2093.1	1825.6	1799.3	1434.0
25°	2313.9	2306.7	2250.7	2221.6	2206.2	2257.3	2301.3	2226.6	1955.2	1915.7	1531.2
27.5°	2632.4	2628.6	2557.2	2488.0	2393.5	2371.6	2397.4	2343.0	2081.0	2040.9	1615.8
30°	2934.0	2922.4	2847.7	2761.0	2634.6	2540.2	2502.3	2457.2	2218.9	2177.1	1714.7
32.5°	3203.6	3188.8	3100.9	3004.8	2872.4	2761.0	2647.8	2578.6	2374.8	2326.5	1815.7
35°	3425.0	3410.1	3320.1	3217.9	3072.4	2990.0	2835.1	2710.4	2533.6	2484.7	1934.9
37.5°	3596.3	3582.6	3488.7	3388.2	3261.3	3195.9	3061.4	2858.7	2716.5	2665.4	2061.2
40°	3692.4	3682.6	3607.3	3527.7	3421.1	3364.5	3304.1	3046.0	2921.3	2870.2	2210.1
42.5°	3721.5	3715.0	3662.2	3621.0	3549.1	3506.2	3540.9	3266.2	3139.9	3095.4	2377.6
45°	3648.5	3648.5	3633.1	3654.0	3657.3	3656.7	3778.1	3515.0	3408.5	3359.6	2613.8
47.5°	3461.8	3473.8	3496.4	3599.1	3707.3	3797.9	4055.5	3846.8	3753.9	3713.9	2948.2
50°	3120.1	3153.1	3230.0	3430.5	3660.6	3891.3	4318.0	4337.2	4425.7	4354.8	3440.3
52.5°	2619.8	2614.9	2810.9	3096.5	3447.5	3895.1	4462.4	4770.0	5007.8	4958.9	3806.1
55°	2082.1	2073.9	2256.8	2650.6	3120.7	3747.9	4549.2	4968.3	5330.8	5286.8	4135.1
57.5°	1594.4	1584.0	1746.5	2101.9	2659.3	3435.4	4532.7	5204.5	5775.1	5752.6	4582.2
60°	1097.4	1084.7	1236.9	1547.7	2113.4	2957.6	4350.4	5325.8	6295.2	6302.9	5060.6
62.5°	659.1	651.9	762.3	1003.4	1520.3	2365.5	3923.7	5252.2	6709.3	6743.9	5368.1
65°	397.6	392.7	457.5	598.7	964.4	1726.2	3265.7	4876.0	6769.2	6848.8	5375.3
67.5°	289.4	290.0	308.7	364.7	562.4	1114.9	2450.6	4201.6	6457.2	6539.6	5036.4
70°	251.5	252.6	262.5	275.2	340.0	638.2	1593.3	3316.8	5535.1	5598.8	4224.1
72.5°	223.5	223.5	230.1	236.7	265.8	388.9	853.5	2318.3	4368.5	4385.6	3223.9
75°	196.6	195.0	198.3	201.6	230.7	271.9	415.2	1615.3	3226.7	3187.1	2083.8
77.5°	156.5	154.9	155.4	158.7	185.1	194.4	210.4	1008.9	1818.5	1716.3	920.5
80°	111.5	110.4	116.4	124.7	136.8	119.2	131.8	488.3	721.1	671.2	357.0
82.5°	66.5	68.7	78.0	84.6	94.5	74.7	85.1	163.1	255.4	248.8	145.0
85°	9.3	9.9	28.0	32.4	40.6	29.1	45.0	73.6	102.2	109.3	51.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	13.2	29.1	29.7	12.6
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°	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8
2.5°	753.0	727.2	690.4	659.6	633.8	612.9	595.4	582.2	578.3	572.8	572.8
5°	780.4	733.8	667.9	621.2	594.3	578.3	567.3	561.9	559.1	555.8	554.2
7.5°	818.3	753.0	664.0	616.8	595.9	586.0	578.9	575.6	573.4	570.1	570.1
10°	870.5	781.5	676.1	632.2	615.7	605.8	597.6	592.1	587.1	582.2	581.1
12.5°	927.1	818.9	698.1	653.0	635.5	623.4	611.8	603.6	597.6	591.5	589.9
15°	989.7	857.3	721.7	673.3	651.4	634.9	621.2	608.5	600.3	591.5	590.4
17.5°	1051.2	896.3	741.5	687.1	659.1	638.7	619.0	602.5	592.1	582.2	579.4
20°	1124.8	935.3	755.2	690.9	657.4	630.5	606.9	586.0	574.5	563.0	561.3
22.5°	1192.4	971.6	761.8	685.4	644.8	612.9	585.5	563.0	550.3	538.8	536.6
25°	1257.7	1003.4	759.0	672.3	625.6	588.8	560.2	537.7	525.6	513.5	510.2
27.5°	1320.9	1024.9	748.0	651.9	601.4	561.9	534.4	514.1	503.6	493.2	488.8
30°	1382.9	1044.6	731.0	625.6	570.6	533.8	511.3	497.0	486.6	475.6	472.3
32.5°	1445.6	1058.9	705.2	594.8	539.3	509.1	495.4	485.0	474.0	463.0	459.7
35°	1508.7	1064.9	673.9	559.7	513.0	493.2	488.3	476.2	461.3	448.2	443.8
37.5°	1584.0	1070.4	634.9	525.1	489.9	485.5	484.4	466.3	448.7	430.6	425.6
40°	1674.6	1077.6	594.8	493.8	471.2	482.8	478.4	453.7	418.5	400.9	395.4
42.5°	1785.5	1090.8	553.1	465.2	457.5	472.3	467.4	422.9	399.3	389.4	386.7
45°	1948.6	1139.1	511.3	442.7	447.1	457.5	449.8	404.8	395.4	388.9	385.6
47.5°	2239.2	1213.2	475.1	425.6	438.8	444.3	414.7	399.8	392.7	383.9	380.1
50°	2541.3	1245.6	446.0	415.2	429.5	432.2	395.4	393.2	388.3	379.0	375.1
52.5°	2745.6	1241.2	428.4	411.4	421.8	411.4	386.7	386.1	382.8	371.8	367.4
55°	2976.2	1248.9	420.7	412.5	418.5	376.2	375.7	377.3	375.7	363.6	361.4
57.5°	3287.7	1272.6	416.9	416.3	416.3	359.2	365.2	367.4	364.1	358.6	357.0
60°	3587.0	1274.2	409.7	420.7	414.7	348.8	353.2	355.3	351.5	350.4	349.9
62.5°	3699.6	1195.1	393.8	417.4	408.1	337.2	340.5	341.6	337.8	340.5	340.0
65°	3532.1	1027.0	367.4	401.5	387.8	326.8	324.6	327.3	320.7	327.9	328.4
67.5°	3136.1	816.1	327.3	371.3	359.2	315.3	310.9	310.9	299.9	310.9	310.3
70°	2528.6	576.7	268.6	322.9	327.9	301.5	299.3	286.7	269.1	285.6	283.9
72.5°	1916.8	414.1	211.5	255.4	282.3	282.3	282.9	261.4	241.1	248.8	242.2
75°	1214.3	291.6	169.2	195.5	221.3	247.7	260.3	220.8	202.7	199.4	196.1
77.5°	547.0	191.7	131.8	149.9	157.1	195.5	237.8	190.0	165.3	158.2	156.0
80°	229.0	119.2	93.9	106.0	96.7	164.2	209.8	147.7	121.4	111.5	104.4
82.5°	100.5	70.8	59.9	57.1	60.4	121.9	156.5	98.3	75.8	102.7	103.8
85°	42.3	37.3	30.8	28.0	24.7	46.7	73.6	38.4	47.2	26.9	22.0
87.5°	9.9	11.0	8.2	5.5	3.3	0.5	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)