

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: P632946

Luminaire Tested: GWS-SA2D-760-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-760-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10327.9 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

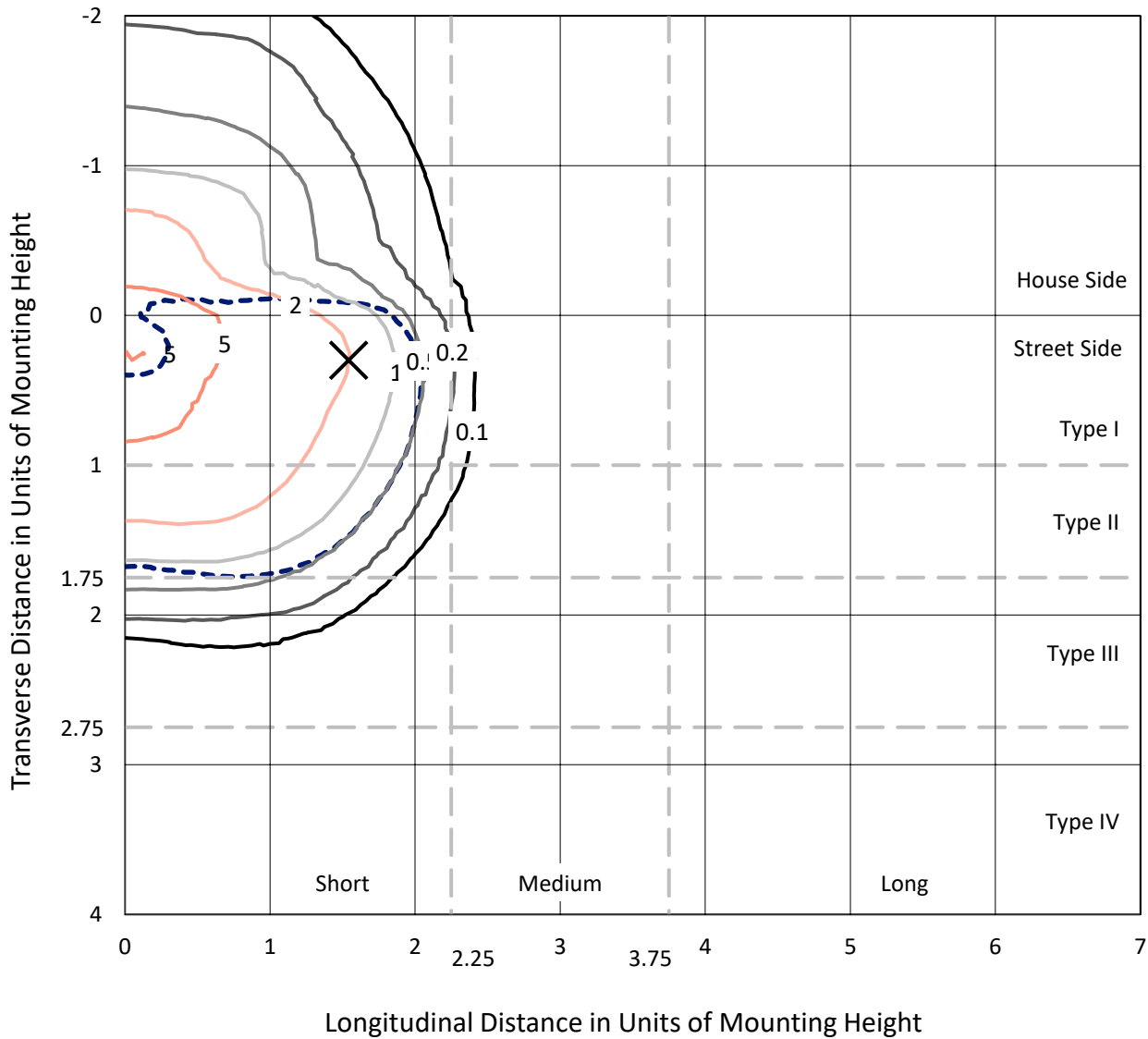
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

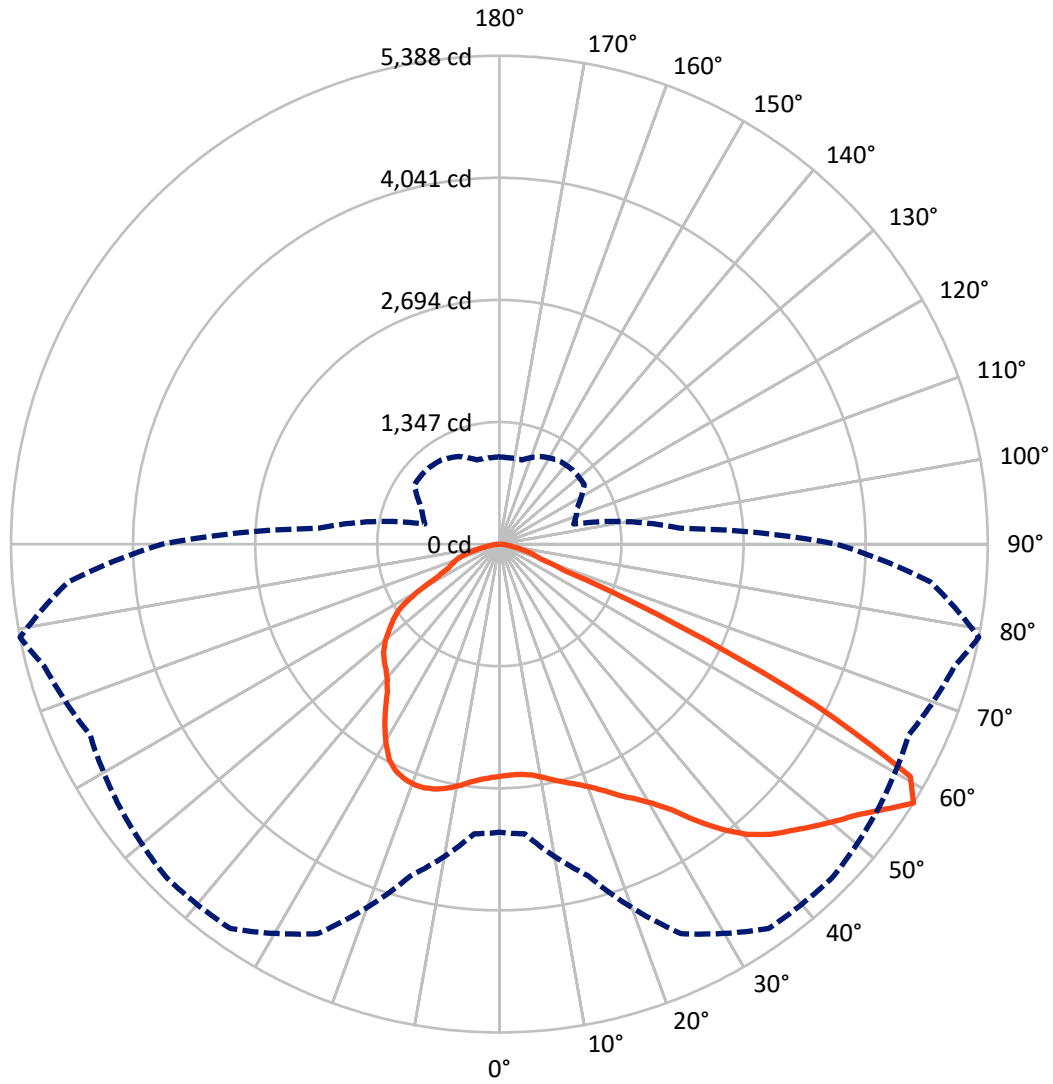
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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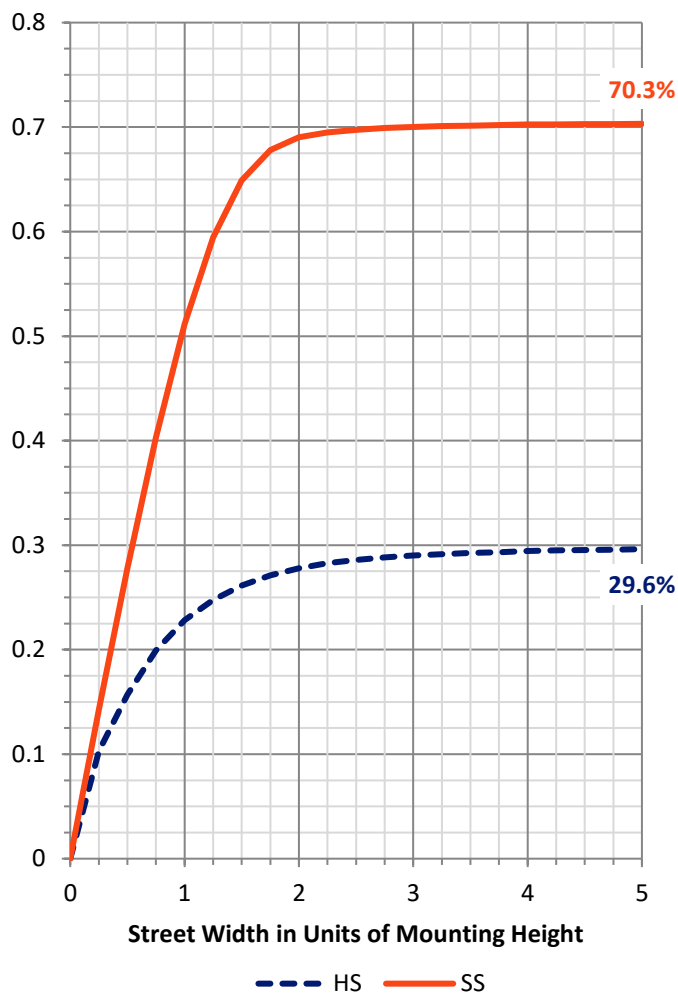
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3070.0	0.0	3070.0
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	7257.9	0.0	7257.9
	% Fixture	70.3	0.0	70.3
Total	Lumens	10327.9	0.0	10327.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.0	2.3
10°-20°	658.7	6.4
20°-30°	1116.5	10.8
30°-40°	1709.0	16.5
40°-50°	2278.8	22.1
50°-60°	2631.8	25.5
60°-70°	1367.6	13.2
70°-80°	290.7	2.8
80°-90°	37.7	0.4
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°	10327.9	100.0
0°-180°	10327.9	100.0

Coefficient of Utilization



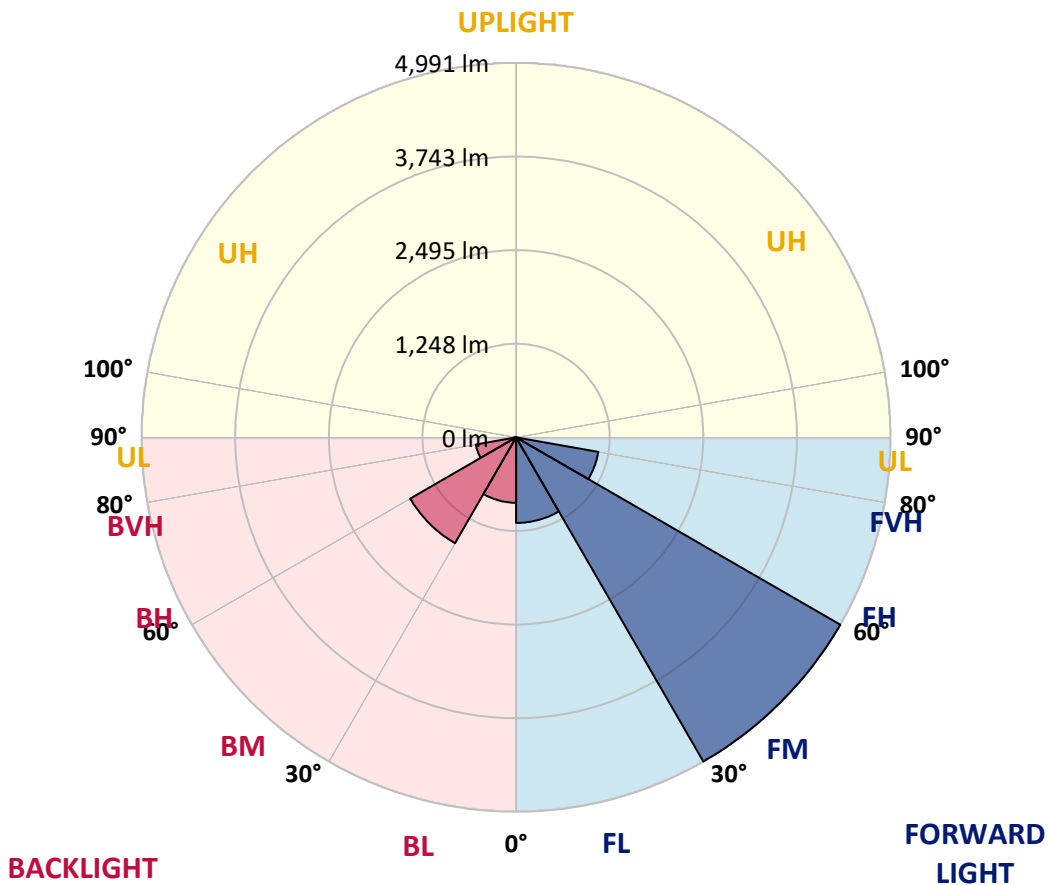
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1140.4	11.0			
FM (30°-60°)	4990.7	48.3			
FH (60°-80°)	1113.6	10.8			G1/1800
FVH (80°-90°)	13.1	0.1			G1/100
BL (0°-30°)	871.8	8.4	B2/1000		
BM (30°-60°)	1628.9	15.8	B2/2500		
BH (60°-80°)	544.7	5.3	B2/1000		G2/1000
BVH (80°-90°)	24.5	0.2			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°	79°	85°
0°	2559.5	2559.5	2559.5	2559.5	2559.5	2559.5	2559.5	2559.5	2559.5	2559.5	2559.5
2.5°	2443.0	2437.9	2439.6	2446.3	2471.7	2490.2	2509.7	2527.4	2544.3	2549.4	2553.6
5°	2356.0	2346.7	2349.2	2360.2	2389.8	2421.0	2455.6	2497.8	2538.4	2551.9	2569.6
7.5°	2294.3	2292.6	2296.9	2313.8	2345.0	2374.6	2419.3	2479.3	2549.4	2572.2	2603.4
10°	2212.4	2209.1	2225.9	2260.6	2312.1	2359.4	2412.6	2483.5	2581.4	2615.2	2663.4
12.5°	2147.4	2145.7	2163.5	2211.6	2277.5	2352.6	2426.1	2505.4	2624.5	2671.0	2730.1
15°	2185.4	2177.8	2178.7	2212.4	2271.5	2360.2	2459.8	2545.1	2667.6	2726.7	2802.7
17.5°	2296.0	2282.5	2272.4	2278.3	2312.1	2404.1	2511.4	2598.3	2717.4	2786.6	2879.5
20°	2448.9	2441.3	2413.4	2394.8	2402.4	2483.5	2592.4	2673.5	2782.4	2860.1	2959.8
22.5°	2654.1	2635.5	2597.5	2567.9	2545.1	2608.5	2709.0	2779.0	2872.8	2953.8	3057.7
25°	2908.2	2881.2	2821.3	2774.8	2725.8	2790.9	2880.4	2933.6	2996.9	3072.1	3170.9
27.5°	3167.5	3144.7	3078.0	3015.5	2954.7	2995.2	3101.6	3132.0	3125.3	3180.2	3264.6
30°	3443.6	3414.9	3351.6	3284.0	3205.5	3231.7	3327.1	3342.3	3270.5	3316.1	3373.5
32.5°	3735.0	3707.1	3652.2	3573.7	3485.0	3495.1	3521.3	3535.7	3467.3	3493.4	3537.4
35°	4031.3	4005.2	3949.4	3871.7	3806.7	3745.1	3679.2	3736.6	3697.0	3747.6	3744.2
37.5°	4302.4	4276.2	4241.6	4181.7	4070.2	3948.6	3796.6	3867.5	3929.2	3993.3	3982.4
40°	4485.7	4467.9	4476.4	4467.1	4323.5	4082.9	3854.0	3931.7	4099.7	4209.5	4203.6
42.5°	4643.6	4625.8	4674.8	4710.3	4541.4	4207.0	3881.9	3956.2	4208.7	4380.1	4371.7
45°	4713.7	4708.6	4789.7	4902.0	4740.7	4338.7	3953.7	4006.9	4291.4	4511.0	4478.9
47.5°	4630.1	4647.8	4807.4	4997.4	4906.2	4494.9	4100.6	4114.1	4399.5	4652.9	4562.5
50°	4463.7	4502.5	4717.9	4999.9	5026.9	4671.4	4304.1	4270.3	4544.8	4804.0	4606.4
52.5°	4221.3	4261.9	4613.2	4980.5	5096.2	4875.8	4575.2	4527.0	4728.0	4955.2	4614.0
55°	3664.9	3719.8	4373.3	4936.6	5163.7	5061.6	4880.9	4782.9	4964.5	5162.9	4689.2
57.5°	3179.3	3208.0	3789.0	4741.5	5177.3	5198.4	5098.7	4982.2	5199.2	5387.5	4773.6
60°	2333.2	2339.9	2862.6	3923.3	4762.6	5119.0	5081.0	4907.9	5087.7	5207.7	4386.9
62.5°	1318.2	1319.0	1736.2	2618.6	3557.6	4172.4	4196.0	4043.2	3892.0	3927.5	3053.5
65°	494.8	541.3	792.9	1286.9	2051.1	2463.2	2561.2	2596.6	2345.0	2188.8	1637.4
67.5°	331.0	342.0	462.8	662.0	912.8	1053.9	1178.8	1182.2	864.7	771.0	645.2
70°	252.5	263.5	364.0	473.7	462.8	427.3	461.9	449.2	464.4	477.1	490.6
72.5°	188.3	199.3	282.0	334.4	277.8	273.6	309.9	344.5	376.6	390.1	411.2
75°	125.0	133.4	190.0	179.0	153.7	181.6	226.3	260.9	279.5	295.6	311.6
77.5°	79.4	85.3	101.3	81.9	85.3	106.4	131.7	163.0	180.7	196.8	205.2
80°	36.3	35.5	34.6	38.8	48.1	62.5	79.4	98.0	111.5	118.2	123.3
82.5°	14.4	16.0	17.7	21.1	26.2	33.8	44.8	57.4	68.4	70.1	74.3
85°	5.9	6.8	7.6	9.3	11.8	15.2	18.6	26.2	32.9	35.5	38.0
87.5°	0.0	0.0	0.0	0.0	0.8	1.7	2.5	4.2	7.6	8.4	9.3
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°	2559.5	2559.5	2559.5	2559.5	2559.5	2559.5	2559.5	2559.5	2559.5	2559.5	2559.5
2.5°	2576.4	2565.4	2584.0	2596.6	2608.5	2595.8	2591.6	2580.6	2578.9	2578.9	2584.8
5°	2600.0	2592.4	2611.8	2619.4	2618.6	2590.7	2573.8	2551.9	2540.9	2540.9	2542.6
7.5°	2642.2	2638.0	2649.0	2637.2	2610.2	2553.6	2497.8	2451.4	2420.2	2404.1	2409.2
10°	2712.3	2707.3	2698.0	2654.1	2576.4	2459.0	2345.0	2260.6	2209.9	2181.2	2182.9
12.5°	2780.7	2772.3	2739.4	2642.2	2482.6	2296.0	2146.6	2052.0	1996.3	1962.5	1954.9
15°	2855.9	2833.9	2763.0	2581.4	2329.8	2096.7	1940.5	1838.3	1778.4	1758.1	1757.3
17.5°	2927.7	2888.8	2760.5	2473.4	2146.6	1888.2	1731.1	1667.8	1657.6	1666.9	1669.5
20°	3000.3	2937.8	2732.6	2323.9	1928.7	1680.4	1599.4	1625.5	1663.5	1688.9	1694.8
22.5°	3075.4	2978.3	2669.3	2131.4	1699.0	1540.3	1574.0	1631.5	1678.7	1712.5	1715.9
25°	3159.9	3016.3	2574.7	1895.8	1514.9	1501.4	1568.1	1628.9	1679.6	1718.4	1725.2
27.5°	3208.0	3017.2	2442.1	1653.4	1430.5	1486.2	1553.8	1611.2	1661.9	1704.1	1711.7
30°	3255.3	2994.4	2231.9	1456.7	1406.0	1468.5	1529.3	1582.5	1630.6	1672.0	1681.3
32.5°	3322.0	2973.3	1989.5	1343.5	1391.6	1451.6	1501.4	1548.7	1585.9	1604.4	1609.5
35°	3404.8	2946.2	1731.9	1294.5	1382.3	1438.1	1482.0	1507.3	1459.2	1449.1	1460.0
37.5°	3520.5	2920.9	1475.2	1273.4	1376.4	1433.0	1471.9	1406.8	1347.7	1324.1	1332.5
40°	3645.4	2906.6	1301.3	1256.5	1379.0	1438.1	1429.6	1333.4	1248.1	1198.3	1196.6
42.5°	3751.8	2884.6	1189.8	1245.5	1385.7	1457.5	1372.2	1268.3	1141.7	1112.1	1113.0
45°	3823.6	2828.9	1130.7	1233.7	1391.6	1461.7	1345.2	1178.8	1088.5	1069.9	1069.1
47.5°	3853.2	2727.5	1092.7	1215.1	1390.8	1427.1	1290.3	1141.7	1051.3	1046.3	1049.6
50°	3833.7	2561.2	1053.9	1178.8	1370.5	1390.8	1227.0	1108.7	1026.0	1053.9	1074.1
52.5°	3762.0	2345.8	1007.4	1129.0	1334.2	1349.4	1194.9	1088.5	1007.4	1044.6	1060.6
55°	3743.4	2171.1	948.3	1064.0	1280.2	1275.9	1161.1	1078.3	994.7	980.4	982.9
57.5°	3718.9	2000.5	850.3	947.5	1143.4	1150.1	1129.0	1066.5	961.8	957.6	961.8
60°	3230.8	1533.5	758.3	817.4	939.0	975.3	1092.7	1044.6	908.6	890.9	890.0
62.5°	2110.3	928.9	674.7	712.7	765.1	807.3	996.4	981.2	850.3	839.4	847.0
65°	1134.9	662.0	613.9	636.7	665.4	697.5	825.9	874.0	768.4	729.6	730.4
67.5°	580.1	563.2	568.3	584.4	606.3	622.4	666.3	708.5	655.3	622.4	621.5
70°	496.5	510.0	517.6	526.9	541.3	538.8	543.0	550.6	546.4	530.3	529.5
72.5°	423.1	444.2	445.9	447.6	452.6	440.8	433.2	420.5	421.4	423.9	424.8
75°	321.7	342.0	347.1	344.5	349.6	334.4	324.3	311.6	296.4	293.9	295.6
77.5°	209.4	225.5	233.1	231.4	233.9	222.1	217.0	203.5	185.8	179.0	179.0
80°	126.7	136.0	141.9	143.6	146.1	137.6	129.2	117.4	109.8	102.2	102.2
82.5°	76.8	82.8	87.0	87.0	89.5	80.2	73.5	65.0	61.6	54.9	54.9
85°	38.8	43.1	44.8	43.9	42.2	34.6	32.1	27.9	26.2	22.8	22.8
87.5°	9.3	11.8	11.8	8.4	8.4	4.2	2.5	0.8	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)