

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: P633086

Luminaire Tested: GWS-SA2E-722-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10530.8 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

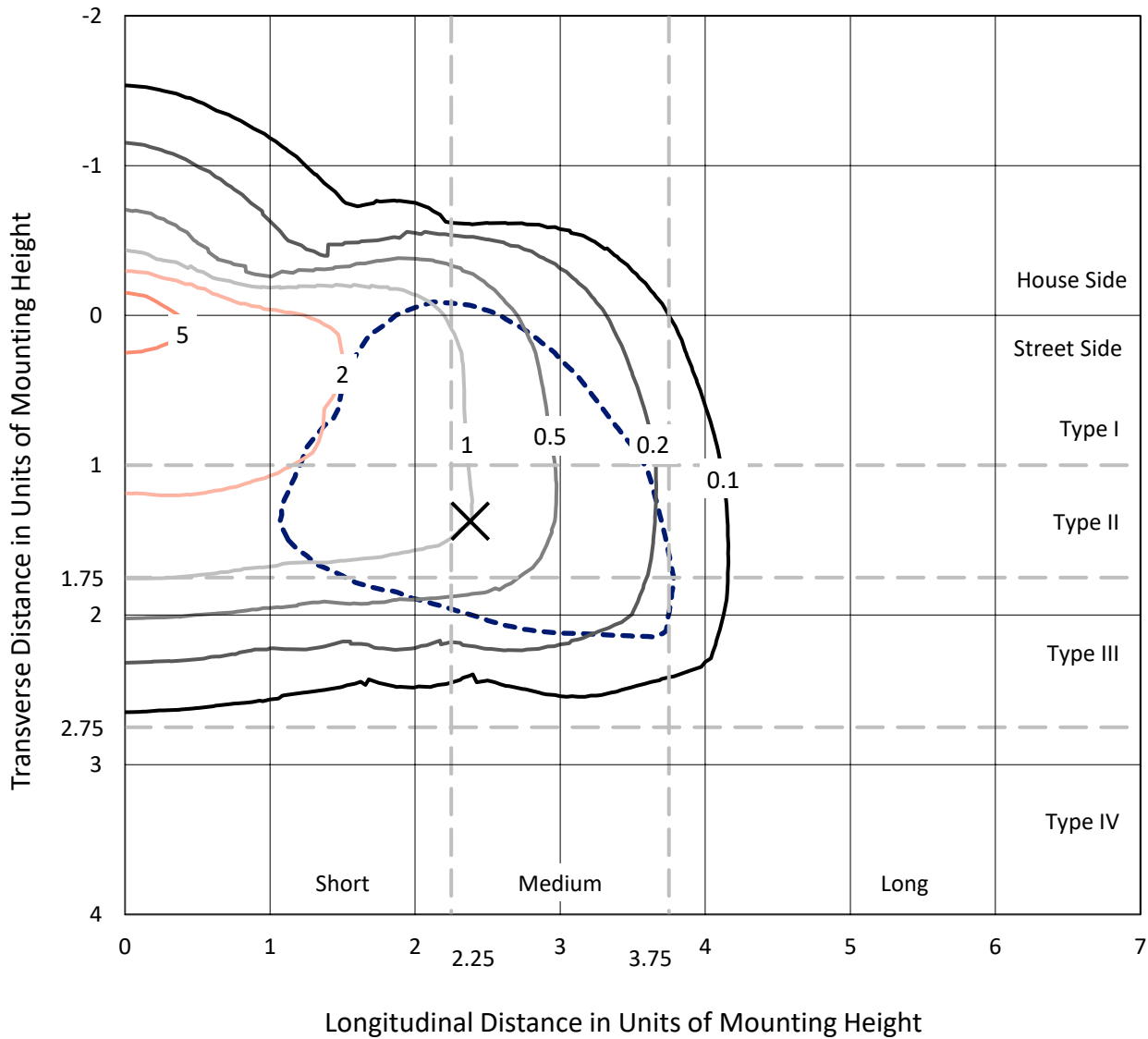
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

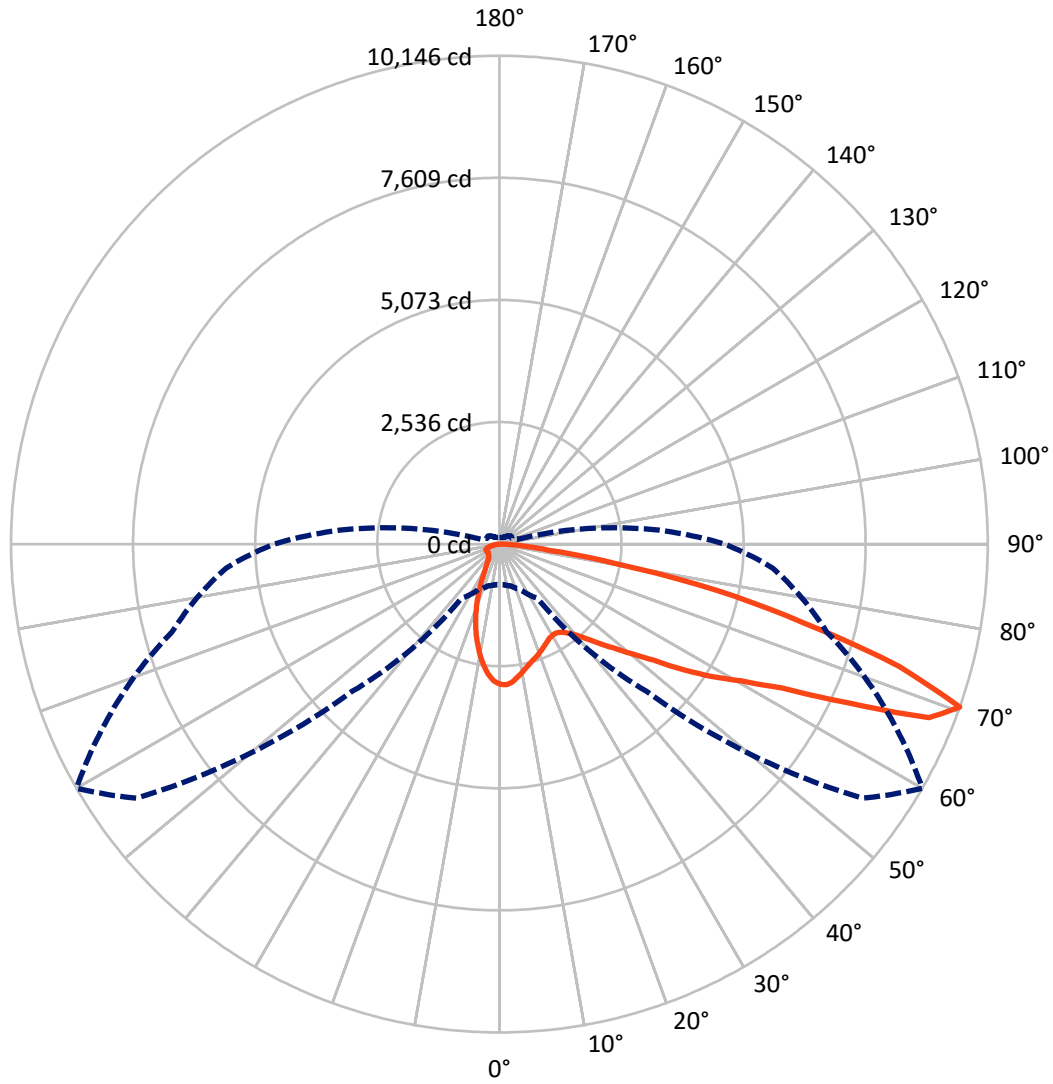
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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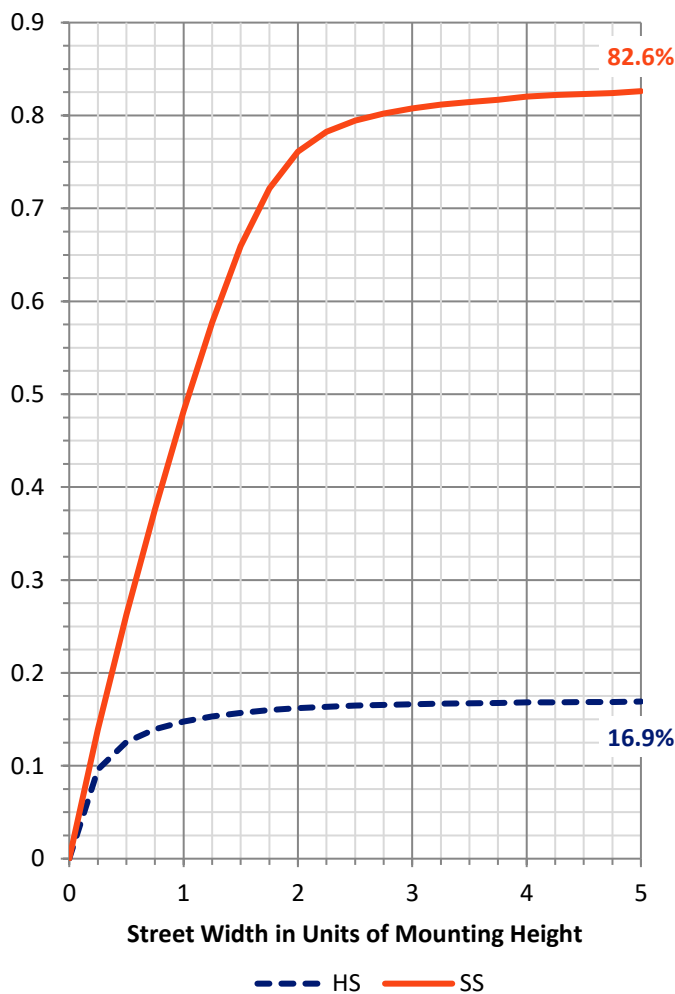
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1801.0	0.0	1801.0
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	8729.8	0.0	8729.8
	% Fixture	82.9	0.0	82.9
Total	Lumens	10530.8	0.0	10530.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.2	2.4
10°-20°	562.7	5.3
20°-30°	720.7	6.8
30°-40°	947.1	9.0
40°-50°	1374.1	13.0
50°-60°	2143.9	20.4
60°-70°	2806.8	26.7
70°-80°	1552.1	14.7
80°-90°	172.2	1.6
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°	10530.8	100.0
0°-180°	10530.8	100.0

Coefficient of Utilization



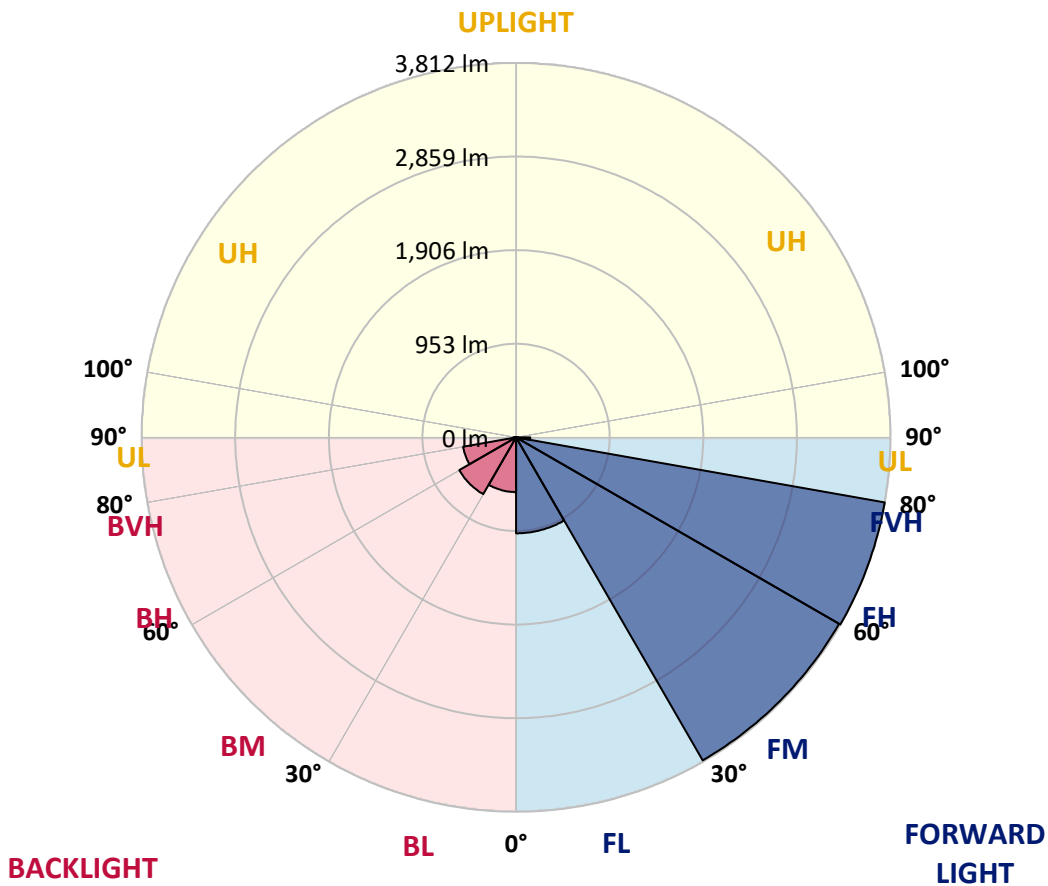
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	977.3	9.3			
FM (30°-60°)	3797.4	36.1			
FH (60°-80°)	3811.6	36.2			G2/5000
FVH (80°-90°)	143.5	1.4			G2/225
BL (0°-30°)	557.2	5.3	B2/1000		
BM (30°-60°)	667.8	6.3	B1/1000		
BH (60°-80°)	547.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	28.7	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2914.0	2914.0	2914.0	2914.0	2914.0	2914.0	2914.0	2914.0	2914.0	2914.0	2914.0
2.5°	2873.2	2876.3	2884.7	2897.1	2909.4	2915.5	2931.0	2926.3	2923.3	2917.1	2909.4
5°	2746.0	2752.2	2759.9	2783.8	2810.8	2832.3	2867.0	2870.9	2872.4	2875.5	2863.2
7.5°	2584.2	2585.8	2604.3	2635.9	2671.3	2708.3	2766.1	2782.3	2796.1	2811.5	2801.5
10°	2405.5	2409.3	2423.2	2468.7	2529.5	2584.2	2662.1	2689.0	2718.3	2752.2	2738.3
12.5°	2259.1	2259.9	2282.2	2330.7	2397.0	2471.0	2568.1	2600.4	2638.9	2692.1	2679.8
15°	2142.7	2142.7	2163.5	2205.2	2281.4	2368.5	2484.1	2525.7	2578.1	2649.7	2628.2
17.5°	2050.3	2051.1	2064.2	2108.1	2175.9	2272.2	2409.3	2465.6	2523.4	2618.1	2585.8
20°	2001.7	1997.9	2000.2	2027.2	2085.0	2178.2	2334.6	2400.1	2477.9	2596.6	2547.3
22.5°	1999.4	1992.5	1982.5	1984.8	2018.7	2095.7	2254.5	2333.8	2431.7	2578.8	2508.0
25°	2038.7	2031.0	2013.3	1993.3	1990.2	2036.4	2179.0	2269.1	2383.9	2571.1	2470.2
27.5°	2105.0	2099.6	2076.5	2046.4	2014.8	2013.3	2121.9	2215.9	2349.2	2578.8	2443.2
30°	2192.8	2183.6	2168.9	2130.4	2082.6	2033.3	2099.6	2187.4	2326.1	2603.5	2431.7
32.5°	2292.2	2286.8	2273.0	2234.4	2183.6	2105.0	2117.3	2193.6	2326.1	2646.6	2434.0
35°	2397.8	2397.0	2397.0	2371.6	2315.3	2217.5	2187.4	2246.0	2361.6	2716.0	2458.6
37.5°	2500.3	2499.5	2524.1	2533.4	2469.4	2363.9	2306.9	2350.8	2439.4	2818.5	2519.5
40°	2583.5	2586.5	2640.5	2686.7	2651.3	2553.4	2473.3	2495.6	2565.7	2964.1	2625.8
42.5°	2667.5	2675.9	2756.8	2838.5	2852.4	2767.6	2686.7	2699.8	2746.8	3156.7	2784.6
45°	2759.1	2763.0	2876.3	2990.3	3057.3	3007.2	2941.0	2958.7	2969.5	3394.8	3021.1
47.5°	2847.7	2857.8	3004.2	3160.6	3287.7	3283.1	3246.1	3240.7	3243.0	3684.5	3300.8
50°	2968.7	2983.4	3155.2	3343.9	3530.4	3615.9	3626.7	3585.9	3568.9	4006.6	3649.1
52.5°	3198.3	3198.3	3352.4	3538.1	3788.5	4000.4	4072.8	4005.8	3951.9	4347.1	4018.9
55°	3485.7	3498.0	3620.6	3770.8	4088.2	4404.9	4649.9	4576.0	4423.4	4717.7	4406.5
57.5°	3613.6	3629.0	3823.2	4056.7	4480.4	4864.9	5204.7	5178.5	4955.8	5103.0	4808.7
60°	3382.5	3414.8	3682.2	4073.6	4835.6	5606.9	5846.5	5770.2	5452.0	5507.5	5244.8
62.5°	2821.5	2857.0	3153.6	3699.9	4786.3	6409.0	6858.2	6576.9	6071.5	6018.3	5825.7
65°	1683.5	1682.0	2038.7	2763.0	4178.4	6631.6	8459.3	7934.5	7028.4	6719.5	6423.6
67.5°	1070.2	1067.9	1142.6	1463.9	2780.7	6086.1	9488.6	9625.0	8328.3	7234.9	6472.9
70°	844.5	843.7	897.6	1044.0	1375.3	4330.9	9202.0	10145.9	9113.4	7038.5	5699.3
72.5°	615.6	617.2	700.4	874.5	1061.0	2174.3	7451.4	8681.2	8382.2	6213.3	4626.8
75°	442.3	444.6	494.7	669.6	978.5	1188.9	4955.0	6527.6	6377.4	4980.5	3182.9
77.5°	281.2	284.3	328.2	469.2	790.5	960.0	3004.2	4608.3	4243.1	2806.1	1131.9
80°	171.8	181.8	218.8	349.8	631.8	720.4	1501.7	2427.8	2125.0	769.7	380.6
82.5°	88.6	96.3	131.8	216.5	435.3	632.6	849.9	1020.1	658.0	322.1	202.6
85°	27.7	32.4	46.2	87.8	207.3	392.2	562.5	507.0	302.0	151.8	94.0
87.5°	6.9	6.9	7.7	7.7	8.5	17.7	108.6	114.8	80.1	47.8	38.5
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°	2914.0	2914.0	2914.0	2914.0	2914.0	2914.0	2914.0	2914.0	2914.0	2914.0	2914.0
2.5°	2894.0	2875.5	2867.8	2867.0	2847.7	2820.0	2801.5	2788.4	2780.7	2779.2	2779.2
5°	2842.4	2818.5	2786.9	2763.0	2711.4	2659.0	2615.1	2590.4	2561.9	2558.0	2557.3
7.5°	2773.8	2739.1	2679.0	2612.0	2521.8	2434.8	2360.8	2310.7	2260.6	2251.4	2248.3
10°	2699.8	2652.8	2550.3	2432.4	2297.6	2167.4	2054.1	1965.5	1907.0	1865.4	1857.7
12.5°	2626.6	2564.2	2414.0	2238.3	2053.4	1875.4	1705.1	1560.3	1455.5	1394.6	1383.8
15°	2558.0	2471.0	2265.3	2041.0	1800.6	1557.2	1316.0	1128.0	980.8	928.4	916.1
17.5°	2495.6	2387.0	2121.2	1836.9	1537.1	1218.9	944.6	777.4	691.1	664.9	658.8
20°	2433.2	2300.7	1974.8	1621.9	1257.4	900.7	690.4	611.8	579.4	569.4	566.3
22.5°	2366.2	2205.9	1815.3	1410.0	974.7	674.2	564.8	530.1	520.1	520.9	520.1
25°	2299.2	2109.6	1648.1	1179.6	725.8	547.1	493.1	480.0	482.3	489.3	490.8
27.5°	2243.7	2024.1	1484.0	926.9	567.1	470.8	445.3	444.6	453.1	462.3	463.8
30°	2203.6	1947.8	1322.2	712.7	466.9	418.4	408.4	413.0	423.0	429.9	432.2
32.5°	2175.1	1882.3	1149.6	560.1	409.1	381.4	376.8	381.4	387.6	394.5	396.0
35°	2165.1	1834.5	980.1	456.9	369.8	354.4	351.3	353.7	356.7	360.6	362.1
37.5°	2187.4	1810.7	802.9	397.6	346.0	336.7	332.1	330.5	331.3	332.9	333.6
40°	2253.7	1821.4	658.0	362.9	330.5	322.1	314.4	311.3	310.5	312.1	311.3
42.5°	2367.7	1866.9	553.2	342.9	318.2	305.9	297.4	294.3	294.3	298.2	298.2
45°	2534.9	1956.3	477.7	328.2	307.4	292.0	282.8	281.2	284.3	290.5	291.2
47.5°	2779.9	2087.3	432.2	317.4	297.4	279.7	270.4	269.7	275.8	285.9	286.6
50°	3070.4	2276.0	407.6	309.7	290.5	269.7	260.4	261.2	268.1	278.9	281.2
52.5°	3420.2	2533.4	409.1	306.7	286.6	263.5	254.3	252.7	259.7	270.4	272.8
55°	3781.6	2846.2	439.2	307.4	281.2	260.4	248.1	242.7	248.9	256.6	257.3
57.5°	4179.2	3199.1	513.9	305.9	274.3	257.3	242.7	230.4	234.2	238.9	241.2
60°	4627.6	3614.4	675.0	309.0	271.2	250.4	231.9	215.7	215.0	218.0	218.8
62.5°	5227.0	4179.2	856.0	314.4	278.1	241.9	215.7	198.8	195.7	197.2	198.0
65°	5685.5	4448.8	799.0	309.7	292.8	235.8	200.3	182.6	176.4	174.9	174.9
67.5°	5499.0	4092.1	556.3	297.4	299.7	236.5	188.0	165.7	158.0	154.1	153.3
70°	4679.2	3323.9	386.8	285.1	292.0	235.0	174.9	151.8	141.8	136.4	135.6
72.5°	3696.8	2538.0	312.8	260.4	265.0	211.9	155.6	136.4	127.9	121.0	121.0
75°	2379.3	1548.7	261.2	231.9	216.5	164.9	134.8	121.7	113.3	106.3	106.3
77.5°	800.5	574.8	202.6	196.5	161.8	124.0	113.3	104.8	97.9	91.7	90.9
80°	325.1	272.8	148.7	148.7	113.3	94.8	88.6	84.8	80.1	72.4	72.4
82.5°	188.8	165.7	104.0	90.1	75.5	65.5	61.6	57.8	57.8	52.4	52.4
85°	90.9	91.7	62.4	55.5	43.1	37.8	36.2	33.9	33.1	30.0	29.3
87.5°	49.3	50.1	31.6	24.7	17.0	14.6	12.3	11.6	10.8	10.0	10.0
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)