

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: P634729

Luminaire Tested: GWS-SA3C-735-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-735-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8078.7 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

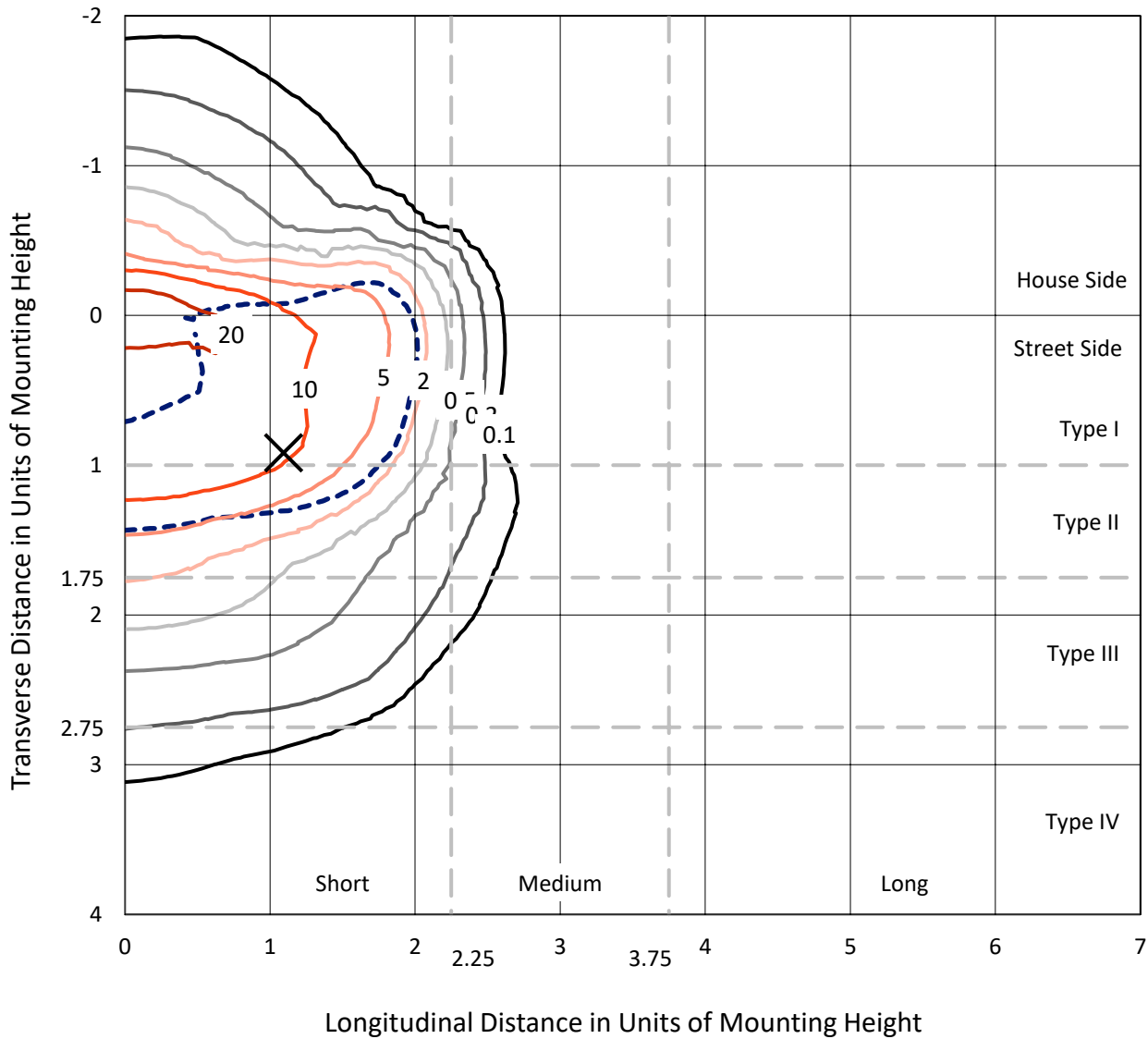
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

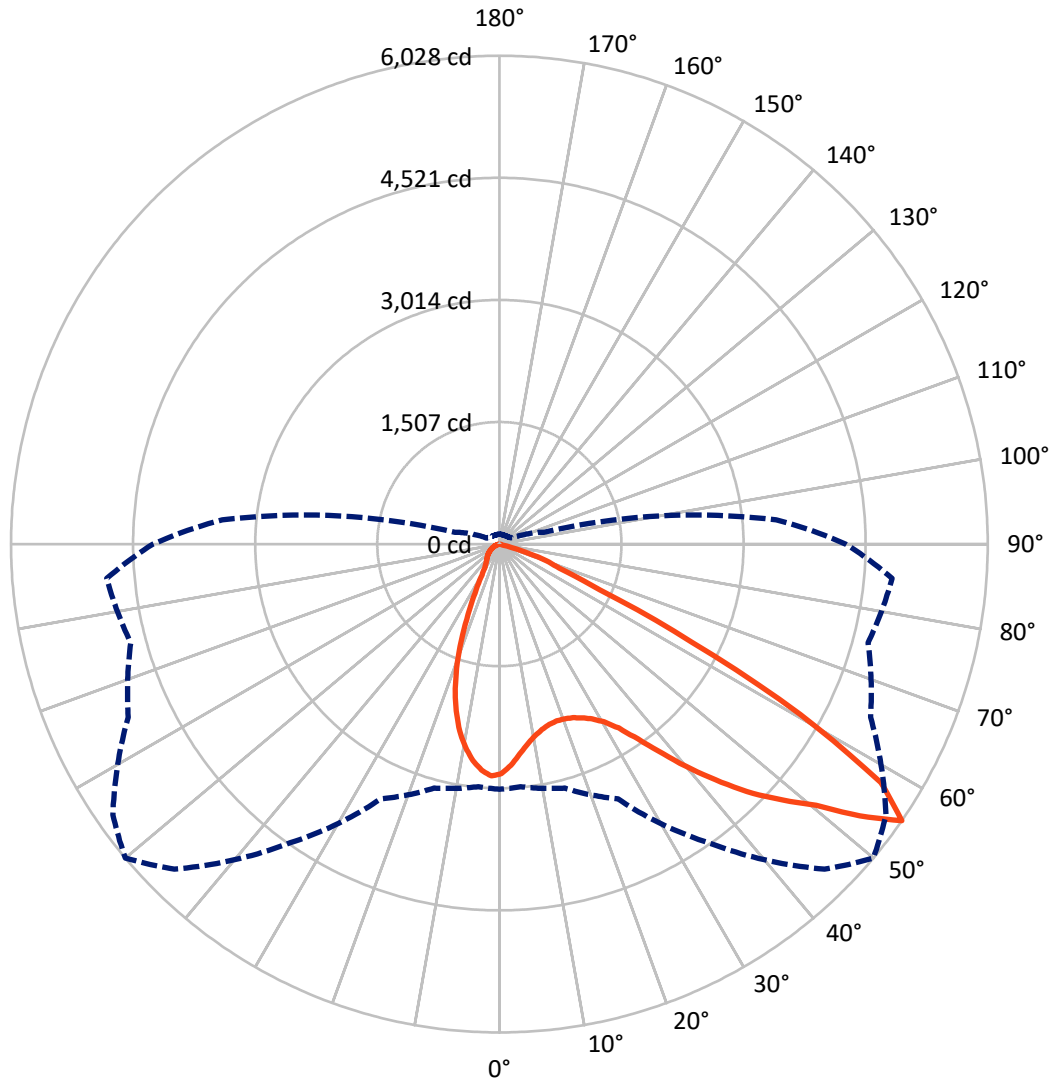
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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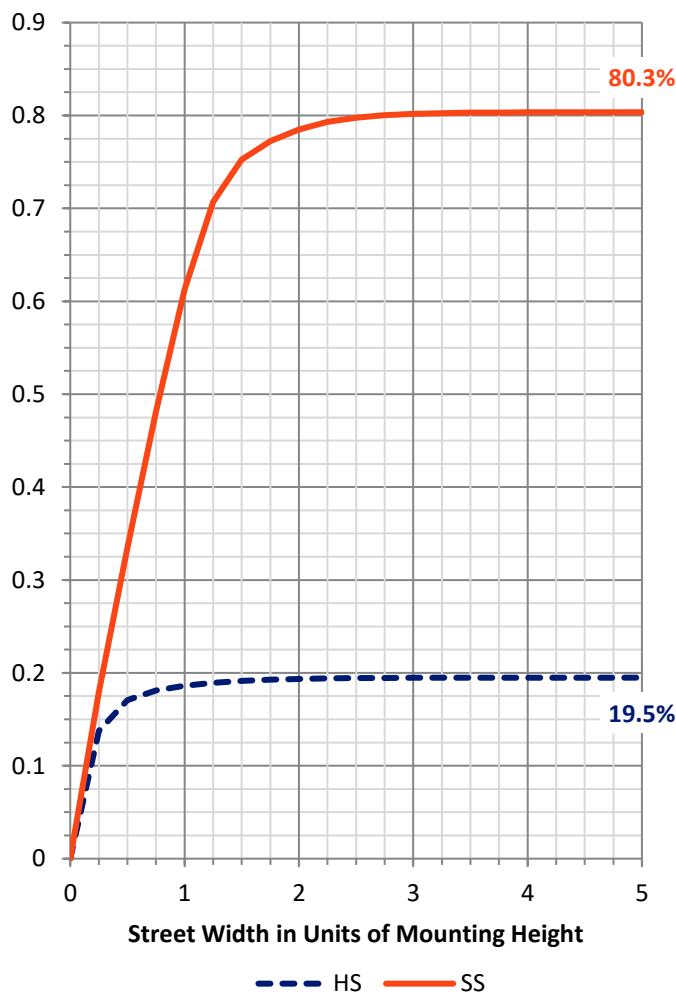
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1591.9	0.0	1591.9
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	6486.8	0.0	6486.8
	% Fixture	80.3	0.0	80.3
Total	Lumens	8078.7	0.0	8078.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.9	3.1
10°-20°	612.6	7.6
20°-30°	864.0	10.7
30°-40°	1278.6	15.8
40°-50°	1844.6	22.8
50°-60°	2175.9	26.9
60°-70°	970.6	12.0
70°-80°	83.4	1.0
80°-90°	0.0	0.0
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°	8078.7	100.0
0°-180°	8078.7	100.0

Coefficient of Utilization



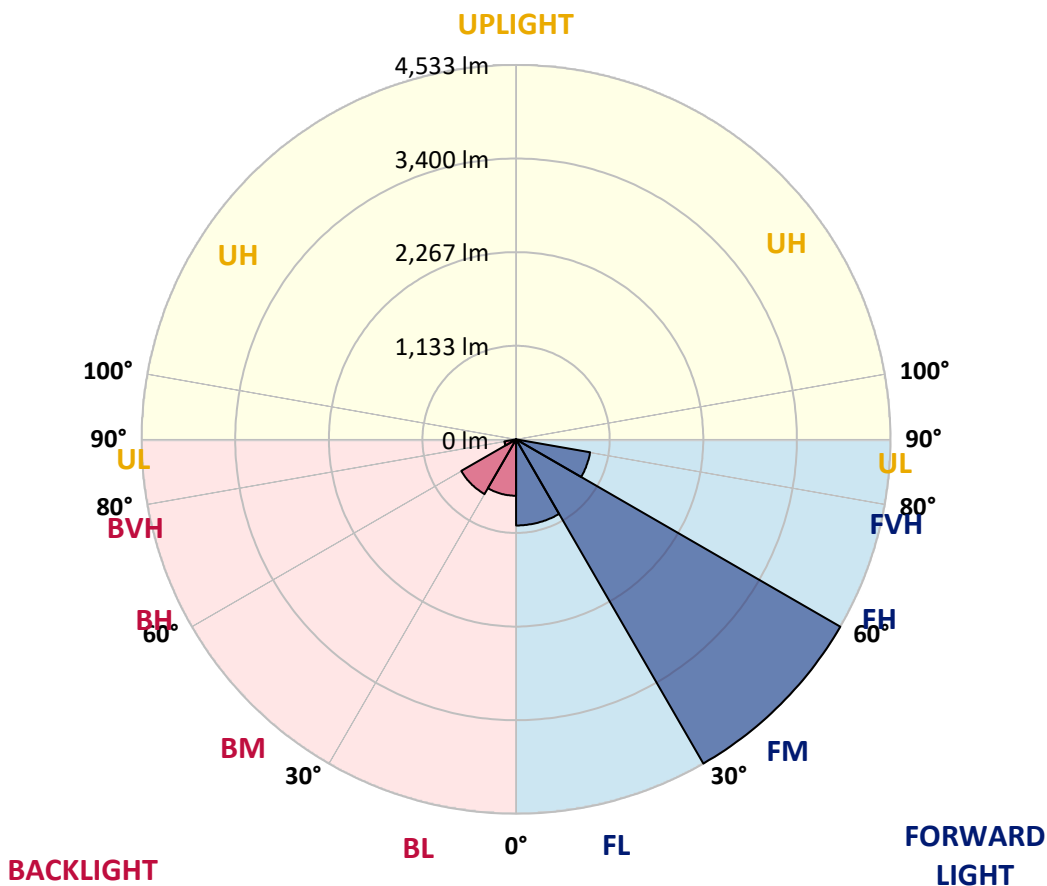
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1043.0	12.9			
FM (30°-60°)	4533.5	56.1			
FH (60°-80°)	910.3	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	682.5	8.4	B2/1000		
BM (30°-60°)	765.6	9.5	B1/1000		
BH (60°-80°)	143.7	1.8	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5
2.5°	2633.3	2635.2	2636.2	2662.9	2672.7	2712.2	2732.9	2743.7	2772.3	2805.9	2833.5
5°	2456.7	2453.8	2458.7	2492.2	2513.9	2572.1	2603.7	2625.4	2688.5	2767.4	2833.5
7.5°	2302.9	2308.8	2314.7	2351.2	2383.7	2446.9	2492.2	2524.8	2612.6	2729.9	2841.4
10°	2194.4	2194.4	2203.3	2244.7	2283.1	2361.1	2406.4	2447.9	2552.4	2696.4	2850.2
12.5°	2114.5	2115.5	2126.3	2173.7	2218.1	2298.9	2346.3	2386.7	2502.1	2662.9	2852.2
15°	2077.0	2074.1	2082.9	2133.2	2182.6	2258.5	2307.8	2347.3	2466.6	2644.1	2862.1
17.5°	2067.2	2065.2	2072.1	2121.4	2171.7	2245.7	2294.0	2333.4	2461.7	2650.0	2891.7
20°	2095.8	2091.8	2088.9	2131.3	2178.6	2251.6	2301.9	2346.3	2485.3	2682.6	2937.0
22.5°	2163.8	2163.8	2156.9	2177.6	2209.2	2275.3	2327.5	2385.7	2547.5	2747.7	3004.1
25°	2289.1	2279.2	2266.4	2275.3	2271.3	2312.7	2374.9	2455.7	2664.8	2855.2	3085.9
27.5°	2432.1	2440.9	2419.2	2420.2	2385.7	2370.9	2442.9	2565.2	2839.4	3007.0	3207.3
30°	2626.4	2619.5	2620.4	2617.5	2537.6	2467.6	2545.5	2708.2	3059.3	3238.8	3365.1
32.5°	2778.2	2788.1	2820.6	2839.4	2734.8	2622.4	2705.3	2902.5	3309.8	3503.1	3558.4
35°	2939.0	2956.8	3022.8	3084.0	2996.2	2867.0	2955.8	3159.9	3545.5	3764.5	3780.3
37.5°	3108.6	3144.1	3223.0	3330.5	3316.7	3202.3	3283.2	3462.7	3731.0	3922.3	3963.7
40°	3302.9	3337.4	3466.6	3621.5	3654.0	3628.4	3655.0	3759.6	3853.2	3929.2	4042.6
42.5°	3515.9	3563.3	3727.0	3934.1	4056.4	4079.1	4017.0	4006.1	3906.5	3850.3	4025.8
45°	3767.4	3822.7	4008.1	4276.3	4470.6	4501.2	4393.7	4254.6	3940.0	3792.1	3975.5
47.5°	4049.5	4101.8	4286.2	4608.7	4897.7	4909.5	4722.1	4498.2	4039.6	3859.2	4014.0
50°	4144.2	4176.7	4336.5	4715.2	5247.8	5338.5	5067.3	4772.4	4239.9	4056.4	4201.4
52.5°	3818.7	3831.5	3970.6	4353.3	5176.8	5759.6	5571.3	5181.7	4595.9	4357.2	4490.4
55°	3025.8	3005.1	3117.5	3468.6	4499.2	5673.8	6027.9	5824.7	5054.5	4710.3	4866.1
57.5°	2116.5	2091.8	2066.2	2303.9	3357.2	4809.9	5554.5	5914.5	5491.4	5060.4	5271.5
60°	1739.7	1716.1	1591.8	1482.3	2029.7	3453.8	4266.5	4944.0	5455.9	5042.7	5258.6
62.5°	1503.0	1489.2	1438.9	1290.0	1194.3	1971.5	2671.7	3320.7	4186.6	3959.8	3971.6
65°	1180.5	1176.6	1211.1	1226.9	1056.3	1090.8	1363.0	1725.9	2263.4	2134.2	2023.8
67.5°	806.7	797.9	863.0	1061.2	1015.8	861.0	797.9	804.8	979.3	598.6	475.4
70°	512.8	492.1	493.1	657.8	826.5	679.5	615.4	541.4	487.2	88.8	100.6
72.5°	328.4	315.6	271.2	296.9	382.7	331.4	334.3	288.0	192.3	47.3	55.2
75°	138.1	127.2	97.6	77.9	76.9	48.3	42.4	39.4	26.6	26.6	28.6
77.5°	1.0	0.0	0.0	1.0	2.0	1.0	1.0	2.0	3.9	5.9	6.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5
2.5°	2850.2	2826.6	2853.2	2863.1	2862.1	2863.1	2834.5	2814.7	2813.7	2789.1	2777.3
5°	2861.1	2842.3	2862.1	2849.3	2818.7	2780.2	2728.9	2684.5	2664.8	2636.2	2622.4
7.5°	2881.8	2862.1	2859.1	2807.8	2731.9	2651.0	2560.3	2479.4	2436.0	2383.7	2386.7
10°	2896.6	2873.9	2835.4	2730.9	2604.7	2475.5	2340.4	2220.0	2144.1	2074.1	2062.2
12.5°	2902.5	2869.0	2779.2	2621.4	2443.9	2275.3	2077.0	1905.4	1787.1	1695.3	1682.5
15°	2913.4	2859.1	2707.2	2489.3	2245.7	2007.0	1754.5	1519.8	1363.0	1257.5	1266.3
17.5°	2930.1	2848.3	2626.4	2341.3	2032.6	1695.3	1354.1	1084.9	940.9	879.7	880.7
20°	2953.8	2835.4	2537.6	2178.6	1777.2	1343.3	946.8	743.6	703.2	701.2	698.3
22.5°	2985.4	2822.6	2442.9	2000.1	1474.4	940.9	630.2	567.1	583.9	616.4	622.3
25°	3022.8	2806.8	2337.4	1798.9	1144.0	617.4	472.4	462.5	503.0	546.4	556.2
27.5°	3081.0	2799.0	2217.1	1570.1	802.8	442.8	386.6	392.5	429.0	465.5	474.4
30°	3179.6	2813.7	2085.9	1313.7	515.8	353.1	335.3	344.2	363.9	382.7	390.6
32.5°	3313.8	2857.1	1958.7	1033.6	367.9	306.7	302.8	307.7	315.6	326.4	329.4
35°	3470.6	2932.1	1827.5	739.7	303.8	280.1	276.1	276.1	280.1	282.1	283.1
37.5°	3599.8	3011.0	1704.2	492.1	272.2	259.4	253.5	250.5	249.5	251.5	252.5
40°	3656.0	3043.5	1570.1	358.0	249.5	240.6	231.8	222.9	222.9	229.8	230.8
42.5°	3616.5	3007.0	1415.3	295.9	233.7	220.9	207.1	199.2	203.2	210.1	212.0
45°	3532.7	2917.3	1244.6	261.4	218.0	201.2	185.4	180.5	184.4	193.3	195.3
47.5°	3518.9	2858.1	1040.5	238.7	201.2	184.4	167.7	162.7	167.7	174.6	176.5
50°	3656.0	2909.4	813.6	218.9	185.4	166.7	152.9	147.9	150.9	154.8	156.8
52.5°	3906.5	3099.8	656.8	200.2	166.7	148.9	140.0	134.1	134.1	138.1	139.1
55°	4276.3	3432.1	567.1	178.5	145.0	135.1	127.2	121.3	121.3	123.3	124.3
57.5°	4702.4	3834.5	587.8	149.9	127.2	122.3	115.4	110.5	112.4	112.4	112.4
60°	4643.2	3804.9	629.2	126.2	112.4	110.5	104.5	102.6	107.5	103.6	101.6
62.5°	3420.3	2628.3	329.4	103.6	96.7	94.7	90.7	94.7	101.6	90.7	86.8
65°	1660.8	1272.3	132.2	84.8	81.9	79.9	77.9	83.8	87.8	71.0	67.1
67.5°	390.6	317.6	85.8	72.0	68.1	64.1	66.1	67.1	64.1	48.3	46.4
70°	101.6	99.6	67.1	60.2	54.2	50.3	50.3	49.3	42.4	30.6	28.6
72.5°	55.2	54.2	48.3	45.4	37.5	33.5	34.5	30.6	23.7	17.8	16.8
75°	27.6	29.6	27.6	25.6	20.7	18.7	18.7	16.8	11.8	6.9	6.9
77.5°	5.9	6.9	6.9	5.9	4.9	3.9	3.9	4.9	2.0	0.0	0.0
80°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)