

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: P635011

Luminaire Tested: GWS-SA3C-830-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635011
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-SA3C-830-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10857.7 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

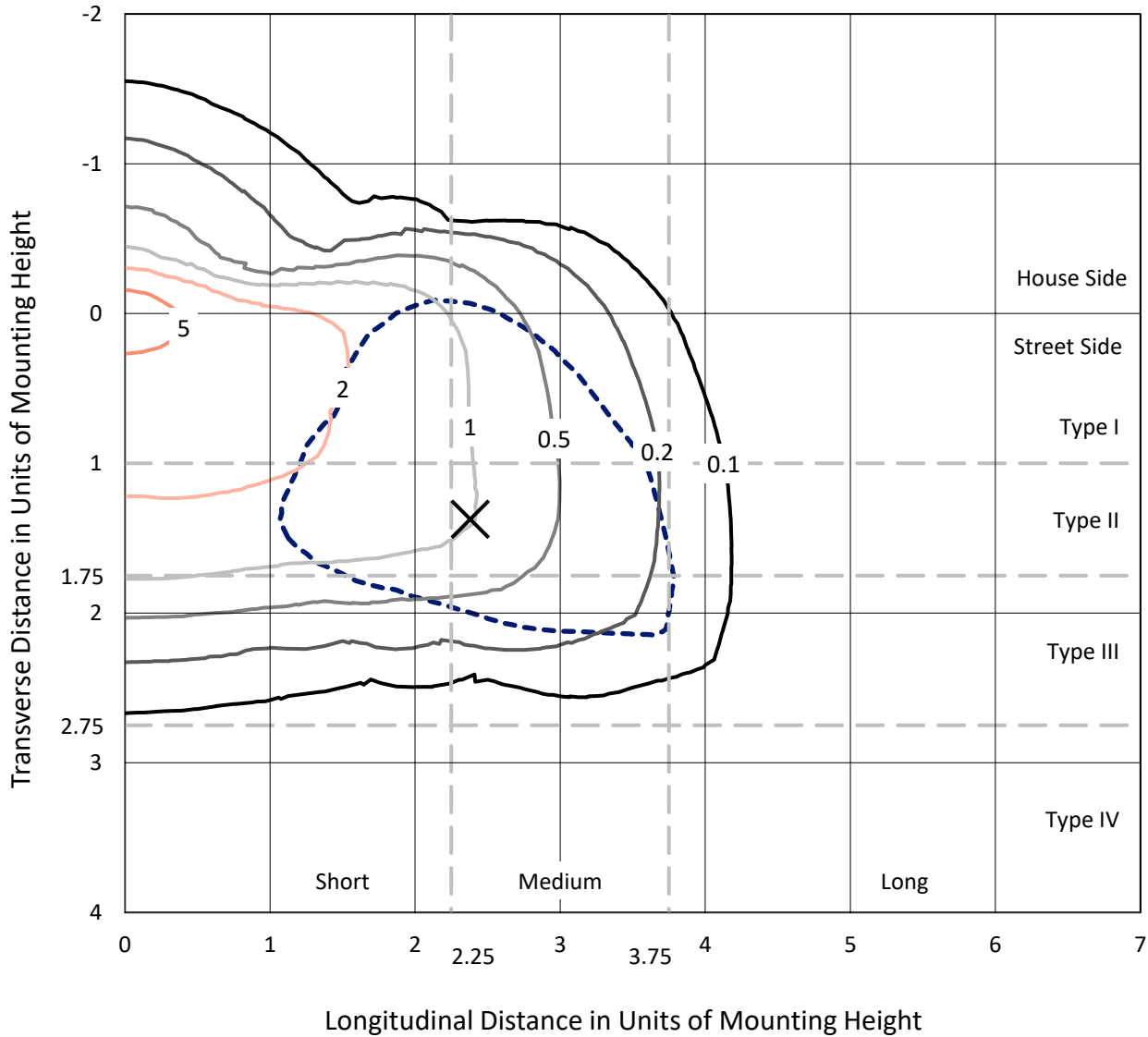
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

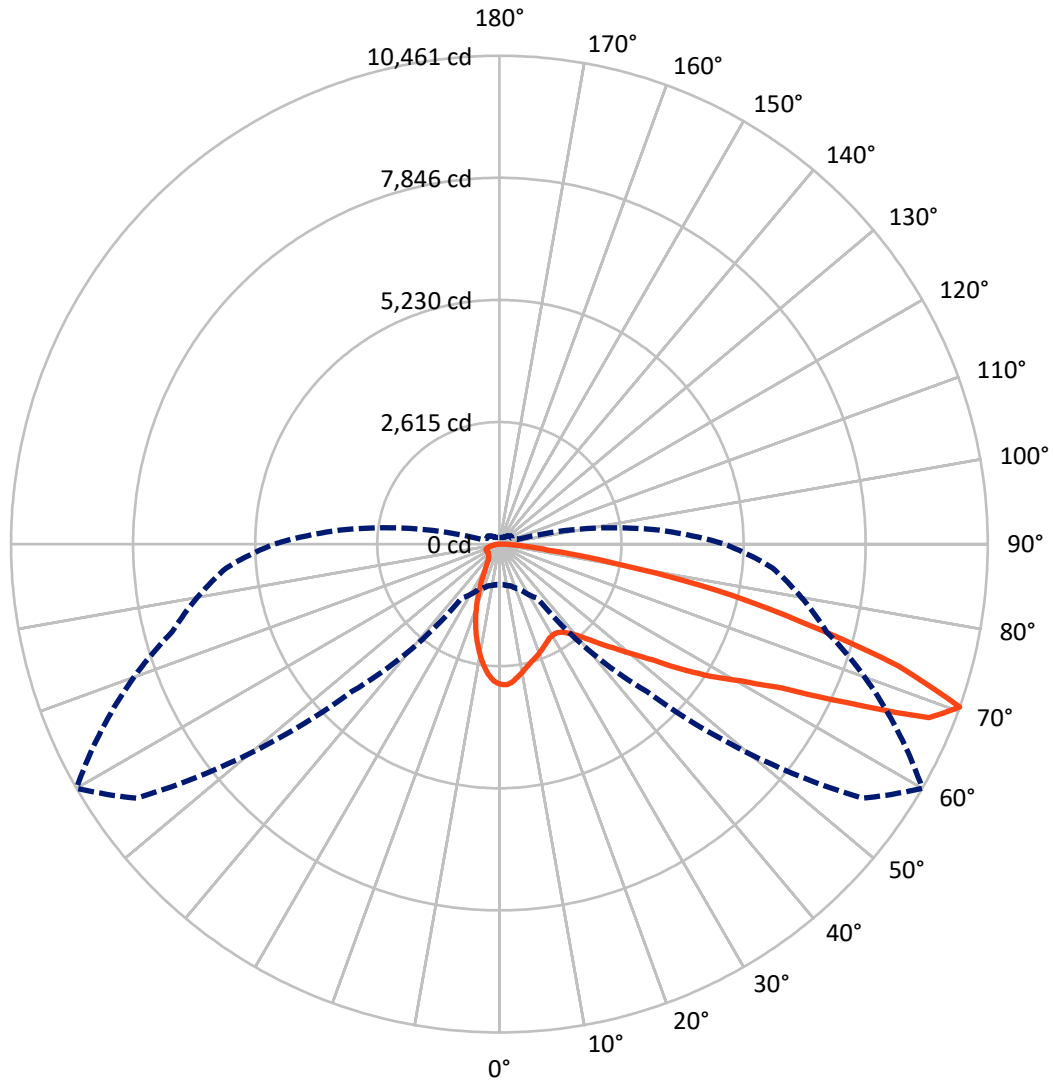
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 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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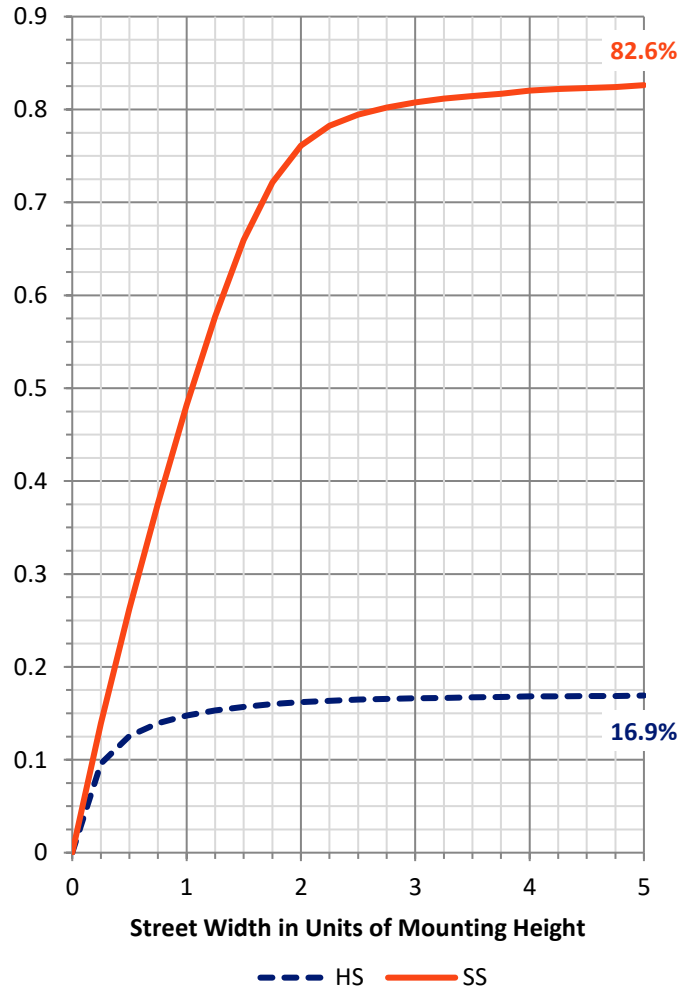
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1856.9	0.0	1856.9
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	9000.8	0.0	9000.8
	% Fixture	82.9	0.0	82.9
Total	Lumens	10857.7	0.0	10857.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.0	2.4
10°-20°	580.2	5.3
20°-30°	743.0	6.8
30°-40°	976.5	9.0
40°-50°	1416.8	13.0
50°-60°	2210.5	20.4
60°-70°	2893.9	26.7
70°-80°	1600.2	14.7
80°-90°	177.6	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°	10857.7	100.0
0°-180°	10857.7	100.0

Coefficient of Utilization



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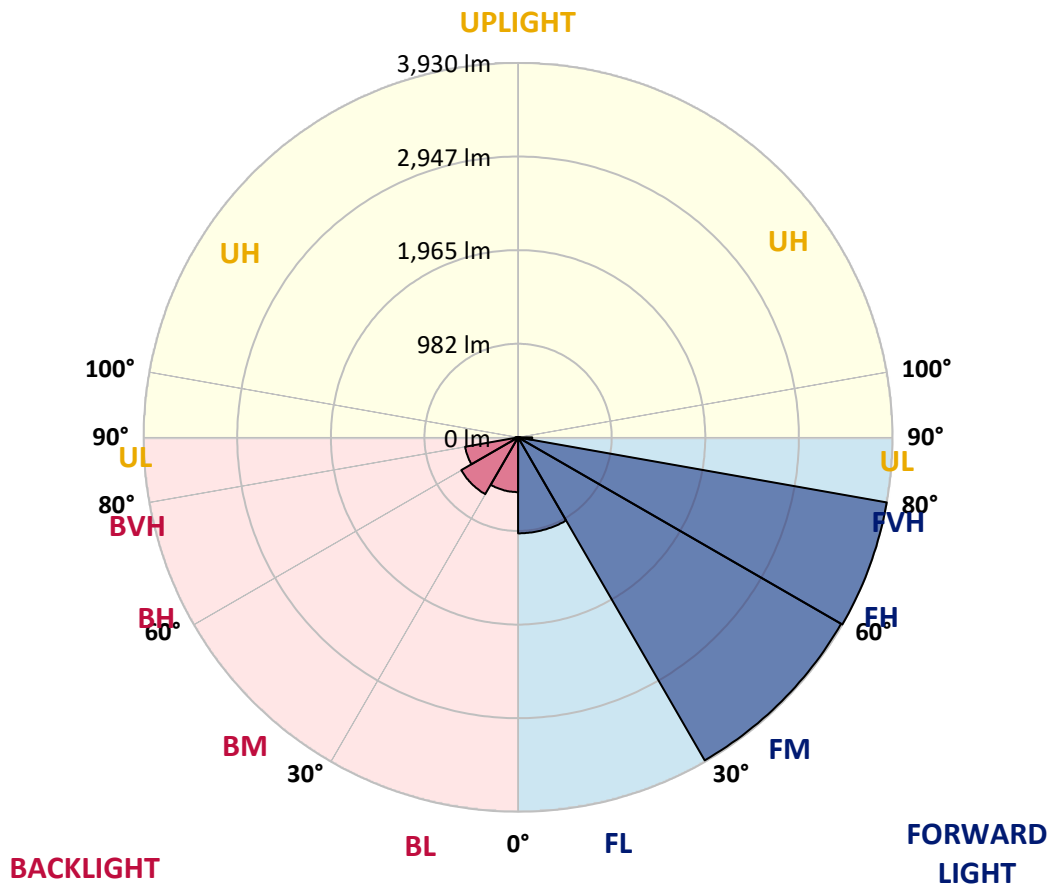
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1007.7	9.3			
FM (30°-60°)	3915.2	36.1			
FH (60°-80°)	3929.9	36.2			G2/5000
FVH (80°-90°)	148.0	1.4			G2/225
BL (0°-30°)	574.5	5.3	B2/1000		
BM (30°-60°)	688.5	6.3	B1/1000		
BH (60°-80°)	564.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	29.6	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°	3004.5	3004.5	3004.5	3004.5	3004.5	3004.5	3004.5	3004.5	3004.5	3004.5	3004.5
2.5°	2962.4	2965.5	2974.3	2987.0	2999.7	3006.1	3021.9	3017.2	3014.0	3007.6	2999.7
5°	2831.3	2837.6	2845.6	2870.2	2898.0	2920.3	2956.0	2960.0	2961.6	2964.7	2952.0
7.5°	2664.5	2666.0	2685.1	2717.7	2754.2	2792.4	2851.9	2868.6	2882.9	2898.8	2888.5
10°	2480.2	2484.1	2498.4	2545.3	2608.1	2664.5	2744.7	2772.5	2802.7	2837.6	2823.3
12.5°	2329.2	2330.0	2353.0	2403.1	2471.4	2547.7	2647.8	2681.1	2720.9	2775.7	2763.0
15°	2209.3	2209.3	2230.7	2273.6	2352.3	2442.0	2561.2	2604.1	2658.1	2732.0	2709.7
17.5°	2113.9	2114.7	2128.2	2173.5	2243.4	2342.7	2484.1	2542.1	2601.7	2699.4	2666.0
20°	2063.9	2059.9	2062.3	2090.1	2149.7	2245.8	2407.1	2474.6	2554.8	2677.2	2626.3
22.5°	2061.5	2054.3	2044.0	2046.4	2081.4	2160.8	2324.4	2406.3	2507.2	2658.9	2585.8
25°	2102.0	2094.1	2075.8	2055.1	2052.0	2099.6	2246.6	2339.5	2457.9	2651.0	2546.9
27.5°	2170.3	2164.8	2140.9	2110.0	2077.4	2075.8	2187.8	2284.7	2422.2	2658.9	2519.1
30°	2260.9	2251.4	2236.3	2196.5	2147.3	2096.5	2164.8	2255.3	2398.3	2684.3	2507.2
32.5°	2363.4	2357.8	2343.5	2303.8	2251.4	2170.3	2183.0	2261.7	2398.3	2728.8	2509.5
35°	2472.2	2471.4	2471.4	2445.2	2387.2	2286.3	2255.3	2315.7	2434.9	2800.3	2535.0
37.5°	2577.9	2577.1	2602.5	2612.0	2546.1	2437.3	2378.5	2423.8	2515.1	2906.0	2597.7
40°	2663.7	2666.8	2722.4	2770.1	2733.6	2632.7	2550.1	2573.1	2645.4	3056.1	2707.4
42.5°	2750.3	2759.0	2842.4	2926.6	2940.9	2853.5	2770.1	2783.6	2832.1	3254.7	2871.0
45°	2844.8	2848.8	2965.5	3083.1	3152.2	3100.6	3032.3	3050.5	3061.7	3500.2	3114.9
47.5°	2936.1	2946.5	3097.4	3258.7	3389.8	3385.0	3346.9	3341.3	3343.7	3798.9	3403.3
50°	3060.9	3076.0	3253.1	3447.7	3640.0	3728.2	3739.3	3697.2	3679.7	4130.9	3762.3
52.5°	3297.6	3297.6	3456.5	3647.9	3906.1	4124.6	4199.3	4130.1	4074.5	4482.1	4143.7
55°	3593.9	3606.6	3732.9	3887.9	4215.1	4541.7	4794.3	4718.0	4560.7	4864.2	4543.2
57.5°	3725.8	3741.7	3941.9	4182.6	4619.5	5015.9	5366.3	5339.2	5109.7	5261.4	4957.9
60°	3487.5	3520.8	3796.5	4200.1	4985.7	5780.9	6028.0	5949.4	5621.3	5678.5	5407.6
62.5°	2909.1	2945.7	3251.5	3814.8	4934.9	6607.9	7071.1	6781.1	6260.0	6205.2	6006.5
65°	1735.8	1734.2	2102.0	2848.8	4308.1	6837.5	8721.8	8180.9	7246.6	6928.1	6623.0
67.5°	1103.4	1101.1	1178.1	1509.4	2867.0	6275.1	9783.2	9923.8	8586.8	7459.5	6673.9
70°	870.7	869.9	925.5	1076.4	1418.0	4465.4	9487.7	10460.8	9396.3	7257.0	5876.3
72.5°	634.7	636.3	722.1	901.7	1093.9	2241.8	7682.8	8950.6	8642.4	6406.1	4770.4
75°	456.0	458.4	510.0	690.3	1008.9	1225.8	5108.9	6730.3	6575.3	5135.1	3281.7
77.5°	290.0	293.1	338.4	483.8	815.1	989.8	3097.4	4751.4	4374.8	2893.2	1167.0
80°	177.2	187.5	225.6	360.7	651.4	742.8	1548.3	2503.2	2191.0	793.6	392.4
82.5°	91.4	99.3	135.8	223.2	448.8	652.2	876.2	1051.8	678.4	332.1	208.9
85°	28.6	33.4	47.7	90.6	213.7	404.4	579.9	522.7	311.4	156.5	96.9
87.5°	7.1	7.1	7.9	7.9	8.7	18.3	112.0	118.4	82.6	49.3	39.7
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°	3004.5	3004.5	3004.5	3004.5	3004.5	3004.5	3004.5	3004.5	3004.5	3004.5	3004.5
2.5°	2983.8	2964.7	2956.8	2956.0	2936.1	2907.5	2888.5	2875.0	2867.0	2865.4	2865.4
5°	2930.6	2906.0	2873.4	2848.8	2795.5	2741.5	2696.2	2670.8	2641.4	2637.4	2636.7
7.5°	2859.9	2824.1	2762.2	2693.1	2600.1	2510.3	2434.1	2382.4	2330.8	2321.3	2318.1
10°	2783.6	2735.2	2629.5	2508.0	2368.9	2234.7	2117.9	2026.5	1966.2	1923.3	1915.3
12.5°	2708.2	2643.8	2488.9	2307.8	2117.1	1933.6	1758.0	1608.7	1500.6	1437.9	1426.8
15°	2637.4	2547.7	2335.6	2104.4	1856.5	1605.5	1356.9	1163.0	1011.3	957.3	944.6
17.5°	2573.1	2461.1	2187.0	1893.9	1584.9	1256.8	973.9	801.6	712.6	685.6	679.2
20°	2508.8	2372.1	2036.1	1672.2	1296.5	928.7	711.8	630.8	597.4	587.1	583.9
22.5°	2439.6	2274.4	1871.6	1453.8	1004.9	695.1	582.3	546.6	536.2	537.0	536.2
25°	2370.5	2175.1	1699.2	1216.2	748.3	564.0	508.4	494.9	497.3	504.5	506.0
27.5°	2313.3	2086.9	1530.0	955.7	584.7	485.4	459.2	458.4	467.1	476.6	478.2
30°	2272.0	2008.3	1363.2	734.8	481.4	431.4	421.0	425.8	436.1	443.3	445.7
32.5°	2242.6	1940.7	1185.3	577.5	421.8	393.2	388.5	393.2	399.6	406.7	408.3
35°	2232.3	1891.5	1010.5	471.1	381.3	365.4	362.3	364.6	367.8	371.8	373.4
37.5°	2255.3	1866.9	827.8	409.9	356.7	347.2	342.4	340.8	341.6	343.2	344.0
40°	2323.7	1878.0	678.4	374.2	340.8	332.1	324.1	320.9	320.1	321.7	320.9
42.5°	2441.2	1924.9	570.4	353.5	328.1	315.4	306.6	303.5	303.5	307.4	307.4
45°	2613.6	2017.0	492.5	338.4	317.0	301.1	291.5	290.0	293.1	299.5	300.3
47.5°	2866.2	2152.1	445.7	327.3	306.6	288.4	278.8	278.0	284.4	294.7	295.5
50°	3165.7	2346.7	420.2	319.4	299.5	278.0	268.5	269.3	276.5	287.6	290.0
52.5°	3526.4	2612.0	421.8	316.2	295.5	271.7	262.2	260.6	267.7	278.8	281.2
55°	3899.0	2934.6	452.8	317.0	290.0	268.5	255.8	250.2	256.6	264.5	265.3
57.5°	4308.9	3298.4	529.9	315.4	282.8	265.3	250.2	237.5	241.5	246.3	248.7
60°	4771.2	3726.6	695.9	318.6	279.6	258.2	239.1	222.4	221.6	224.8	225.6
62.5°	5389.3	4308.9	882.6	324.1	286.8	249.4	222.4	205.0	201.8	203.4	204.2
65°	5862.0	4586.9	823.8	319.4	301.9	243.1	206.5	188.3	181.9	180.3	180.3
67.5°	5669.7	4219.1	573.6	306.6	309.0	243.9	193.8	170.8	162.9	158.9	158.1
70°	4824.5	3427.1	398.8	293.9	301.1	242.3	180.3	156.5	146.2	140.6	139.8
72.5°	3811.6	2616.8	322.5	268.5	273.3	218.5	160.5	140.6	131.9	124.7	124.7
75°	2453.1	1596.8	269.3	239.1	223.2	170.0	139.0	125.5	116.8	109.6	109.6
77.5°	825.4	592.6	208.9	202.6	166.8	127.9	116.8	108.0	100.9	94.5	93.7
80°	335.2	281.2	153.3	153.3	116.8	97.7	91.4	87.4	82.6	74.7	74.7
82.5°	194.6	170.8	107.2	92.9	77.9	67.5	63.6	59.6	59.6	54.0	54.0
85°	93.7	94.5	64.3	57.2	44.5	38.9	37.3	35.0	34.2	31.0	30.2
87.5°	50.8	51.6	32.6	25.4	17.5	15.1	12.7	11.9	11.1	10.3	10.3
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)