

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: STREETWORKS

Report Number: P386837

Luminaire Tested: GAW-SA2C-740-U-SL4

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2C-740-U-SL4
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14025 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

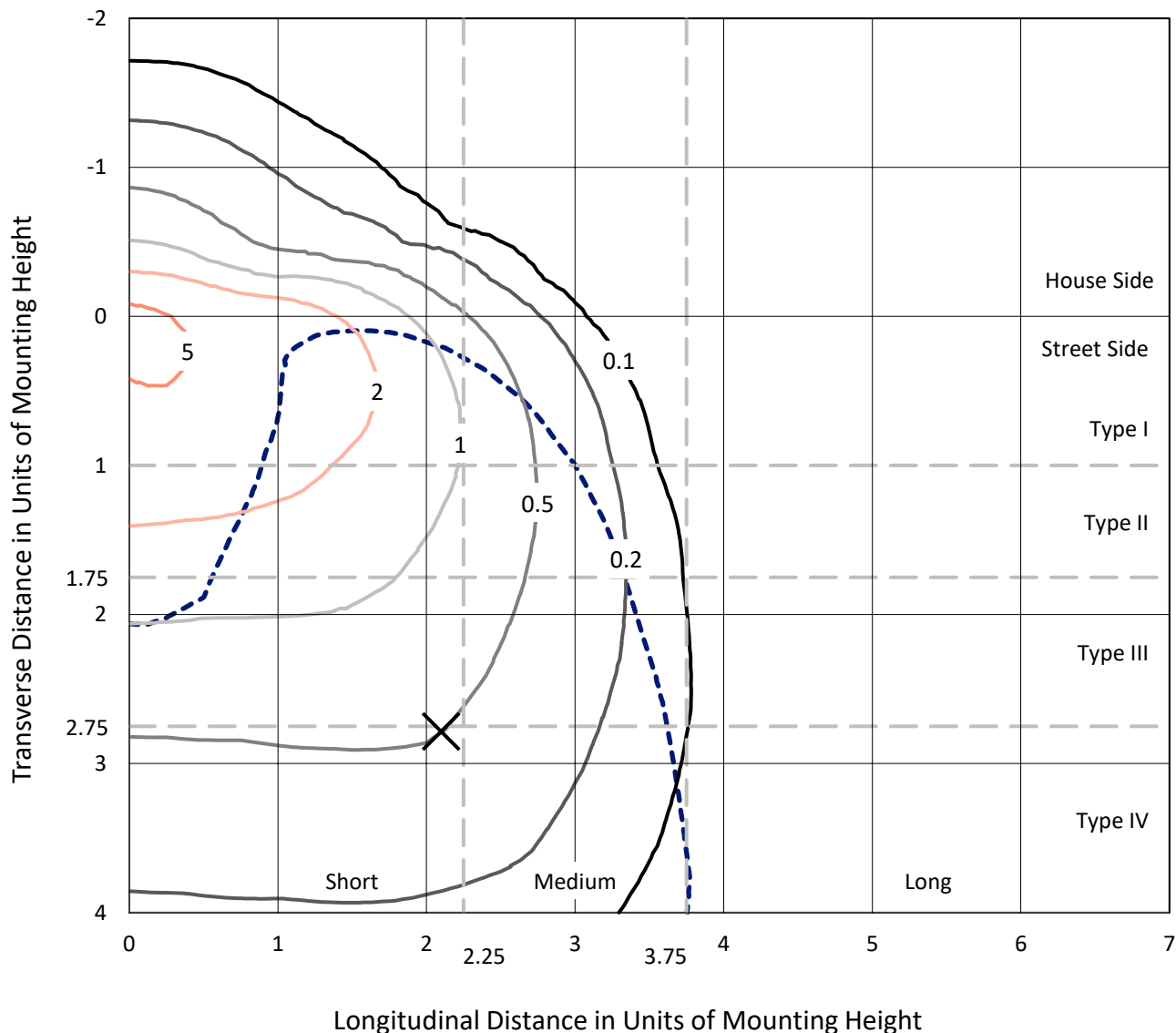
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

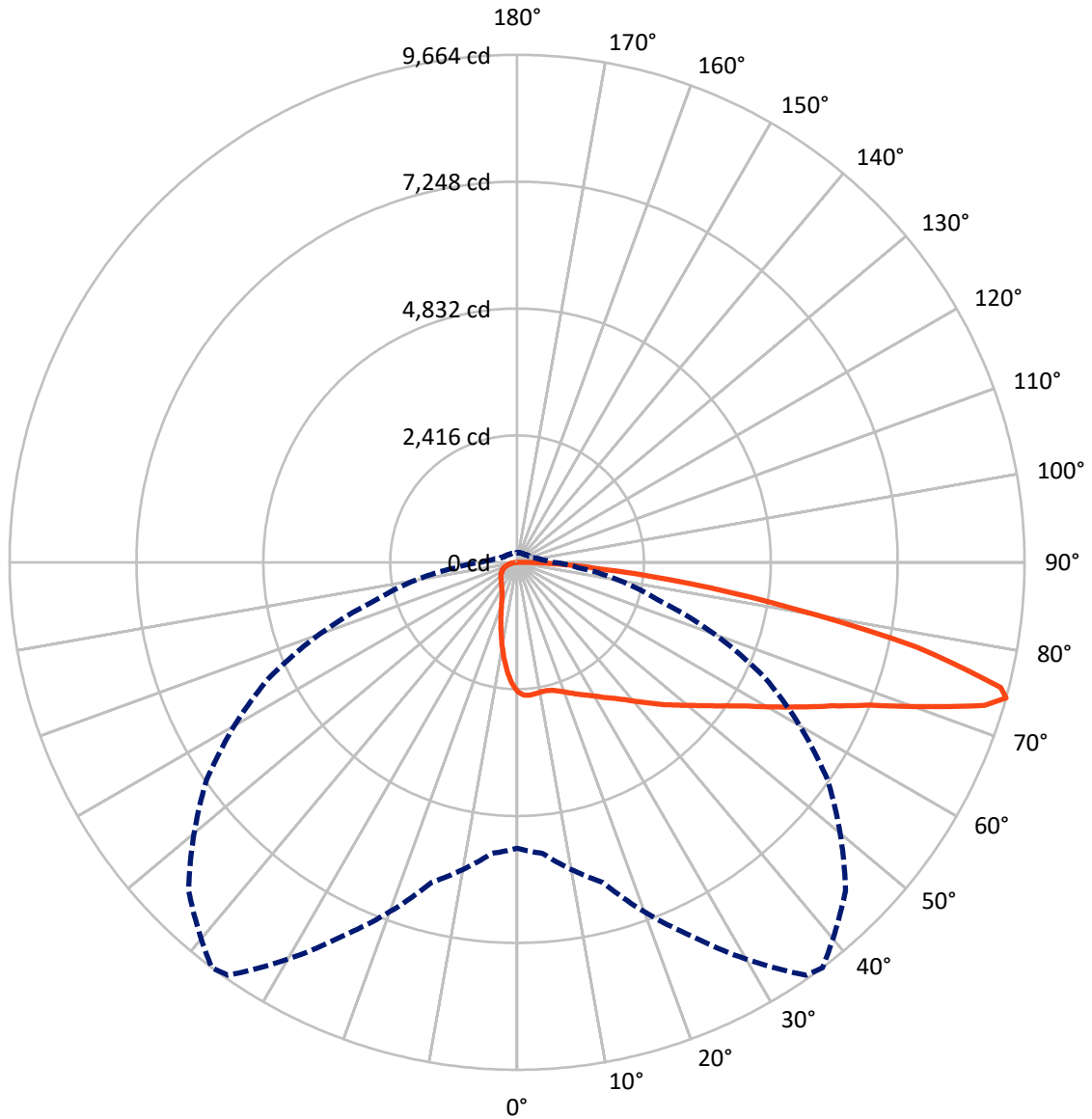
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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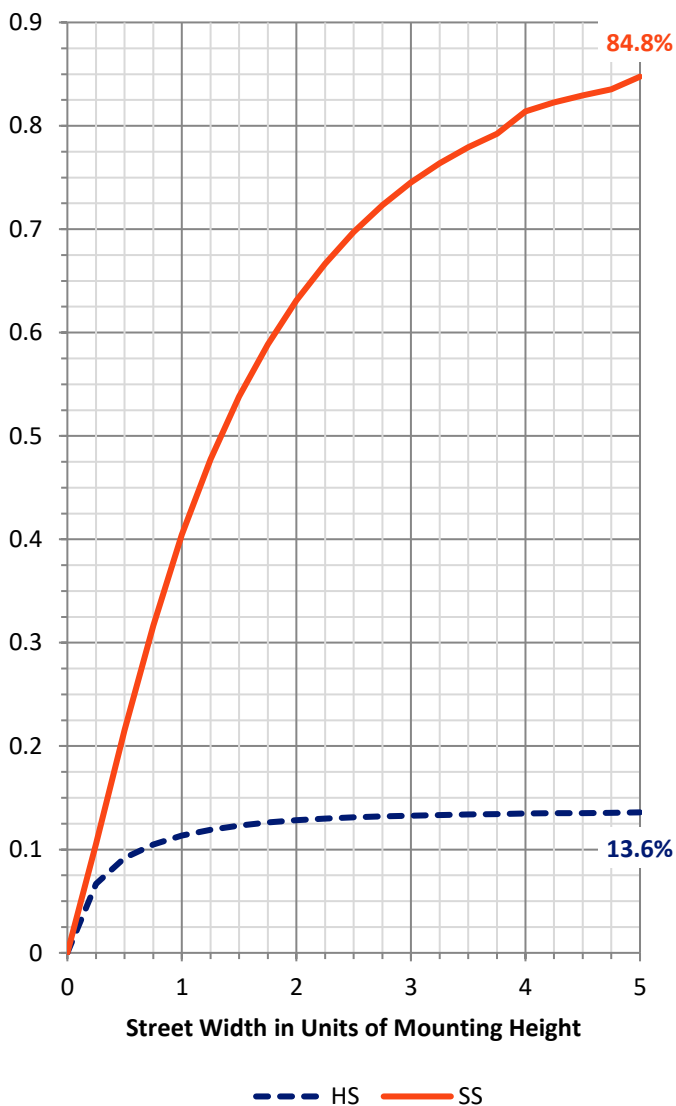
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1929.7	0.0	1929.7
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	12095.3	0.0	12095.3
	% Fixture	86.2	0.0	86.2
Total	Lumens	14025.0	0.0	14025.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.6	1.6
10°-20°	557.8	4.0
20°-30°	859.5	6.1
30°-40°	1249.8	8.9
40°-50°	1839.5	13.1
50°-60°	2583.2	18.4
60°-70°	3269.5	23.3
70°-80°	2878.9	20.5
80°-90°	569.2	4.1
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°	14025.0	100.0
0°-180°	14025.0	100.0

Coefficient of Utilization

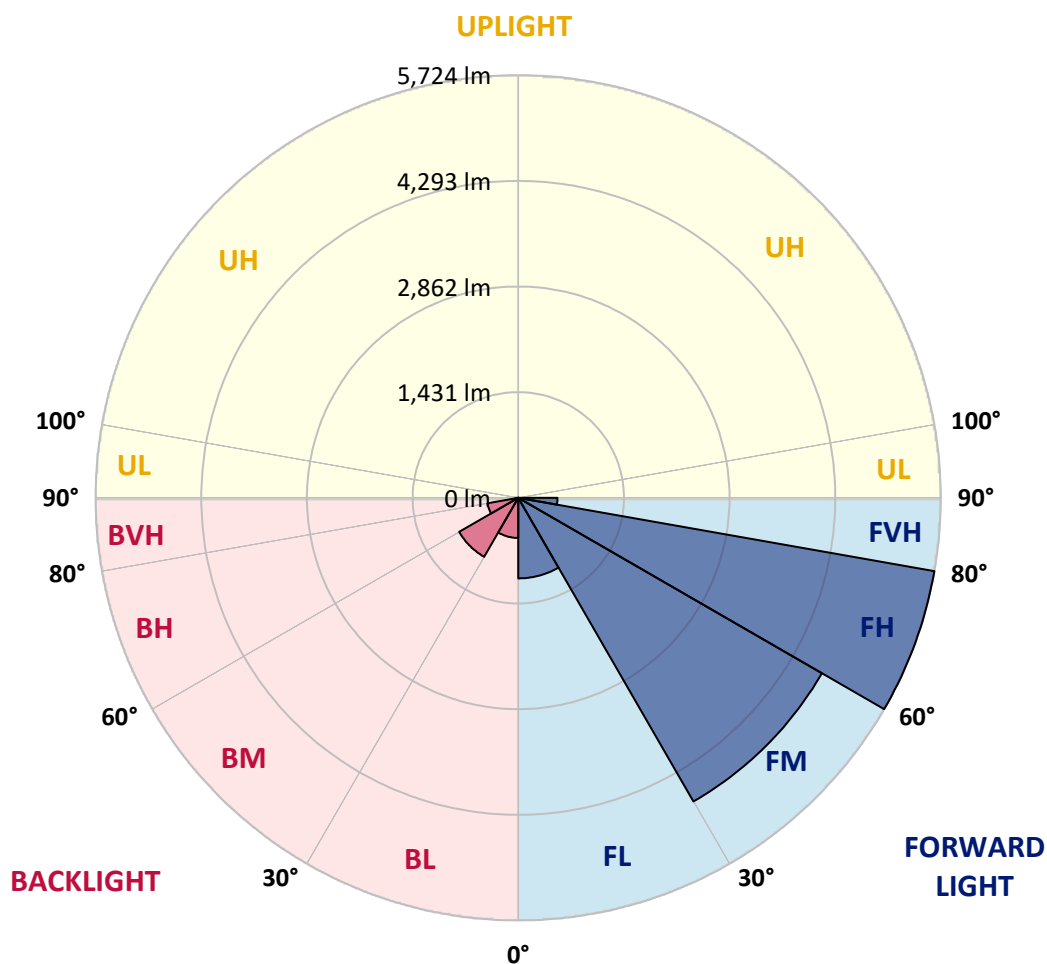


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1091.3	7.8			
FM (30°-60°)	4749.0	33.9			
FH (60°-80°)	5724.3	40.8			G3/7500
FVH (80°-90°)	530.7	3.8			G4/750
BL (0°-30°)	543.6	3.9	B2/1000		
BM (30°-60°)	923.5	6.6	B1/1000		
BH (60°-80°)	424.2	3.0	B1/500		G1/500
BVH (80°-90°)	38.5	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-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	2471.2	2471.2	2471.2	2471.2	2471.2	2471.2	2471.2	2471.2	2471.2	2471.2	2471.2
2.5°	2555.6	2556.1	2555.6	2551.7	2542.3	2534.4	2528.0	2518.6	2497.8	2482.0	2458.3
5°	2579.8	2576.9	2574.9	2567.5	2552.7	2543.8	2531.4	2513.6	2479.5	2447.9	2409.4
7.5°	2568.5	2565.0	2560.6	2551.7	2534.9	2527.5	2510.2	2487.0	2446.0	2404.5	2349.1
10°	2533.4	2532.4	2530.4	2528.5	2514.1	2508.2	2492.4	2467.7	2427.2	2376.8	2312.1
12.5°	2494.4	2496.8	2504.7	2515.1	2508.7	2505.7	2495.9	2479.1	2437.6	2383.2	2305.2
15°	2469.7	2476.6	2497.8	2525.0	2530.4	2529.4	2527.0	2516.1	2472.1	2411.9	2321.0
17.5°	2461.3	2472.6	2513.1	2558.1	2573.9	2577.4	2578.4	2559.6	2510.7	2446.9	2337.3
20°	2476.6	2490.9	2550.2	2611.9	2637.1	2639.1	2634.7	2602.1	2547.2	2477.1	2346.2
22.5°	2523.0	2535.9	2610.0	2679.6	2708.3	2711.3	2697.9	2648.5	2585.8	2512.6	2358.5
25°	2612.4	2628.3	2702.4	2772.0	2786.8	2787.3	2768.1	2706.8	2636.2	2562.5	2385.2
27.5°	2729.0	2744.8	2811.5	2879.7	2871.8	2867.4	2841.2	2779.9	2701.9	2631.2	2432.6
30°	2859.0	2876.3	2939.5	2987.9	2969.1	2960.2	2939.0	2860.0	2793.3	2725.1	2505.2
32.5°	2993.3	3009.2	3064.5	3097.6	3073.9	3069.9	3037.8	2965.7	2912.3	2868.4	2622.8
35°	3131.2	3142.5	3196.9	3215.7	3184.0	3183.1	3174.2	3108.0	3074.4	3095.1	2793.8
37.5°	3272.0	3274.9	3321.4	3322.4	3313.0	3316.9	3326.3	3284.8	3294.2	3358.9	3016.1
40°	3397.5	3405.4	3439.0	3449.3	3465.6	3479.5	3526.4	3499.2	3571.9	3686.5	3292.7
42.5°	3490.3	3505.7	3559.5	3586.2	3639.0	3660.8	3727.0	3752.2	3898.4	4070.3	3621.8
45°	3568.9	3592.6	3679.1	3733.9	3823.3	3861.4	3956.2	4040.7	4267.5	4486.8	3968.1
47.5°	3653.9	3684.0	3792.2	3896.9	4018.5	4061.4	4233.9	4360.3	4661.2	4905.7	4294.6
50°	3778.9	3802.1	3907.8	4072.3	4224.0	4279.3	4517.9	4699.2	5061.4	5304.9	4577.7
52.5°	3953.2	3944.4	4033.8	4264.5	4468.0	4536.2	4821.3	5059.9	5467.0	5666.1	4816.8
55°	4128.6	4113.8	4176.6	4465.6	4752.6	4824.2	5155.2	5422.0	5852.8	5991.1	5000.1
57.5°	4323.8	4295.6	4348.5	4692.3	5076.7	5162.1	5529.2	5806.9	6232.2	6254.0	5116.7
60°	4524.8	4486.8	4546.1	4973.4	5488.2	5589.0	5966.9	6182.3	6589.9	6464.4	5154.2
62.5°	4700.7	4674.0	4765.4	5287.1	5952.1	6062.8	6396.7	6581.5	6942.6	6551.9	5018.9
65°	4854.4	4858.8	5016.9	5639.9	6469.4	6587.4	6889.8	7073.6	7220.3	6500.0	4702.2
67.5°	5037.6	5062.8	5332.6	6104.3	7120.5	7249.9	7607.1	7610.1	7375.4	6195.7	4078.7
70°	5304.9	5356.8	5766.8	6748.5	8046.3	8224.2	8499.8	7925.3	7157.5	5370.6	3209.2
72.5°	5542.1	5638.9	6228.8	7485.6	9174.7	9309.5	9022.0	7743.5	6247.0	4024.9	1999.3
74°	5445.7	5565.8	6312.7	7848.7	9599.5	9664.3	8845.7	7212.9	5208.6	2787.3	1162.0
75°	5238.2	5368.7	6190.2	7845.2	9545.7	9509.6	8419.8	6606.7	4289.7	1901.0	773.2
77.5°	4227.4	4365.3	5216.0	6723.8	7827.0	7792.9	6467.9	4432.0	1878.8	623.5	392.8
80°	2457.8	2563.0	3237.9	4269.9	5277.7	5339.5	4253.6	2193.0	739.1	350.3	266.3
82.5°	1091.8	1164.4	1564.1	2179.7	3185.0	3264.6	2227.6	1149.1	456.5	212.9	160.1
85°	716.3	770.2	949.5	1038.0	1516.7	1571.0	1090.3	894.7	301.4	117.1	117.6
87.5°	515.3	567.1	705.5	616.1	696.1	659.0	593.3	828.0	121.0	66.7	39.5
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°	2471.2	2471.2	2471.2	2471.2	2471.2	2471.2	2471.2	2471.2	2471.2	2471.2	2471.2
2.5°	2447.9	2440.0	2422.2	2388.6	2369.9	2354.1	2327.9	2312.6	2305.6	2305.2	2308.1
5°	2387.2	2368.9	2322.9	2266.6	2221.7	2180.7	2129.8	2099.1	2077.4	2064.6	2068.0
7.5°	2316.5	2287.9	2215.7	2125.8	2053.7	1974.2	1895.6	1848.7	1812.1	1784.9	1789.9
10°	2268.1	2228.6	2123.4	1993.9	1873.9	1758.3	1650.1	1585.4	1534.0	1494.4	1497.4
12.5°	2251.8	2198.4	2052.7	1879.8	1711.3	1553.2	1411.9	1312.6	1259.8	1214.8	1218.3
15°	2254.3	2182.6	1993.4	1777.0	1565.1	1366.0	1194.6	1078.5	1006.8	975.7	976.2
17.5°	2256.2	2164.4	1931.2	1666.9	1420.3	1191.1	1004.9	887.3	819.6	790.9	791.4
20°	2249.8	2134.7	1854.1	1540.4	1269.2	1030.6	850.2	750.4	699.1	676.8	676.8
22.5°	2241.4	2099.6	1767.2	1413.4	1120.0	891.2	739.6	663.5	633.8	619.0	618.5
25°	2245.4	2073.5	1678.2	1283.0	982.6	780.1	666.0	615.6	595.8	586.4	585.9
27.5°	2266.6	2061.1	1596.2	1153.1	862.6	696.6	616.6	581.0	568.1	562.2	562.2
30°	2305.2	2061.1	1510.8	1042.4	762.8	634.8	578.5	554.3	545.4	541.5	541.5
32.5°	2372.3	2072.5	1428.2	932.7	683.2	586.4	546.9	530.6	523.7	521.7	521.7
35°	2487.9	2111.0	1347.7	829.0	619.0	546.9	516.8	507.4	502.4	501.9	503.4
37.5°	2650.5	2189.6	1272.1	752.4	573.6	514.8	491.6	484.2	481.2	483.7	485.6
40°	2855.0	2296.3	1203.5	683.2	539.0	489.1	468.3	463.4	461.9	465.4	468.3
42.5°	3102.0	2440.5	1147.1	633.3	512.3	467.4	448.6	442.7	441.2	445.1	449.1
45°	3369.3	2595.6	1107.6	596.3	491.6	451.1	431.3	424.9	421.9	423.9	428.3
47.5°	3612.4	2742.4	1091.8	570.1	471.8	437.2	416.0	408.1	403.1	402.1	405.6
50°	3817.4	2851.6	1099.2	554.3	456.0	421.9	401.2	392.3	384.9	380.4	382.9
52.5°	3966.6	2920.2	1106.1	547.4	443.6	405.1	384.9	376.5	366.6	359.2	359.2
55°	4074.8	2936.0	1090.8	542.0	434.3	386.8	366.6	358.7	348.8	340.4	339.4
57.5°	4117.3	2891.6	1034.0	534.0	427.8	369.5	347.3	341.4	333.0	323.1	322.6
60°	4060.0	2754.2	924.3	517.3	419.4	355.2	328.0	324.1	320.1	310.7	310.3
62.5°	3829.7	2452.9	782.5	483.2	402.6	339.9	310.3	312.2	312.7	306.3	305.3
65°	3412.3	2038.9	644.2	438.7	377.4	321.6	292.0	301.4	306.8	305.8	304.3
67.5°	2805.6	1586.8	545.9	391.8	344.3	296.4	272.2	283.1	287.5	291.0	290.0
70°	2082.3	1119.0	451.5	342.4	304.3	266.8	246.5	252.0	249.0	252.9	254.4
72.5°	1161.0	671.4	368.1	293.0	262.8	232.2	217.9	216.9	210.5	210.5	210.5
74°	696.6	492.6	323.6	262.3	237.6	209.5	197.1	192.7	186.7	187.2	186.7
75°	560.2	423.4	296.9	242.1	219.8	196.1	183.8	177.9	173.4	173.4	172.9
77.5°	353.7	321.6	239.1	192.7	175.9	161.5	153.2	145.2	145.2	144.8	144.3
80°	267.3	255.9	186.3	145.7	134.9	124.0	118.6	115.1	115.1	116.6	116.1
82.5°	183.3	192.7	130.9	101.8	96.3	88.4	87.4	87.9	86.5	84.5	84.0
85°	133.9	144.8	88.4	64.2	58.8	53.8	57.8	59.8	57.3	52.9	50.9
87.5°	51.4	94.9	47.4	26.7	24.7	21.2	24.7	25.7	27.7	21.7	22.2
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)