

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: P386582

Luminaire Tested: GAW-SA2B-730-U-SL3-HSS

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA2B-730-U-SL3-HSS  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9280 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

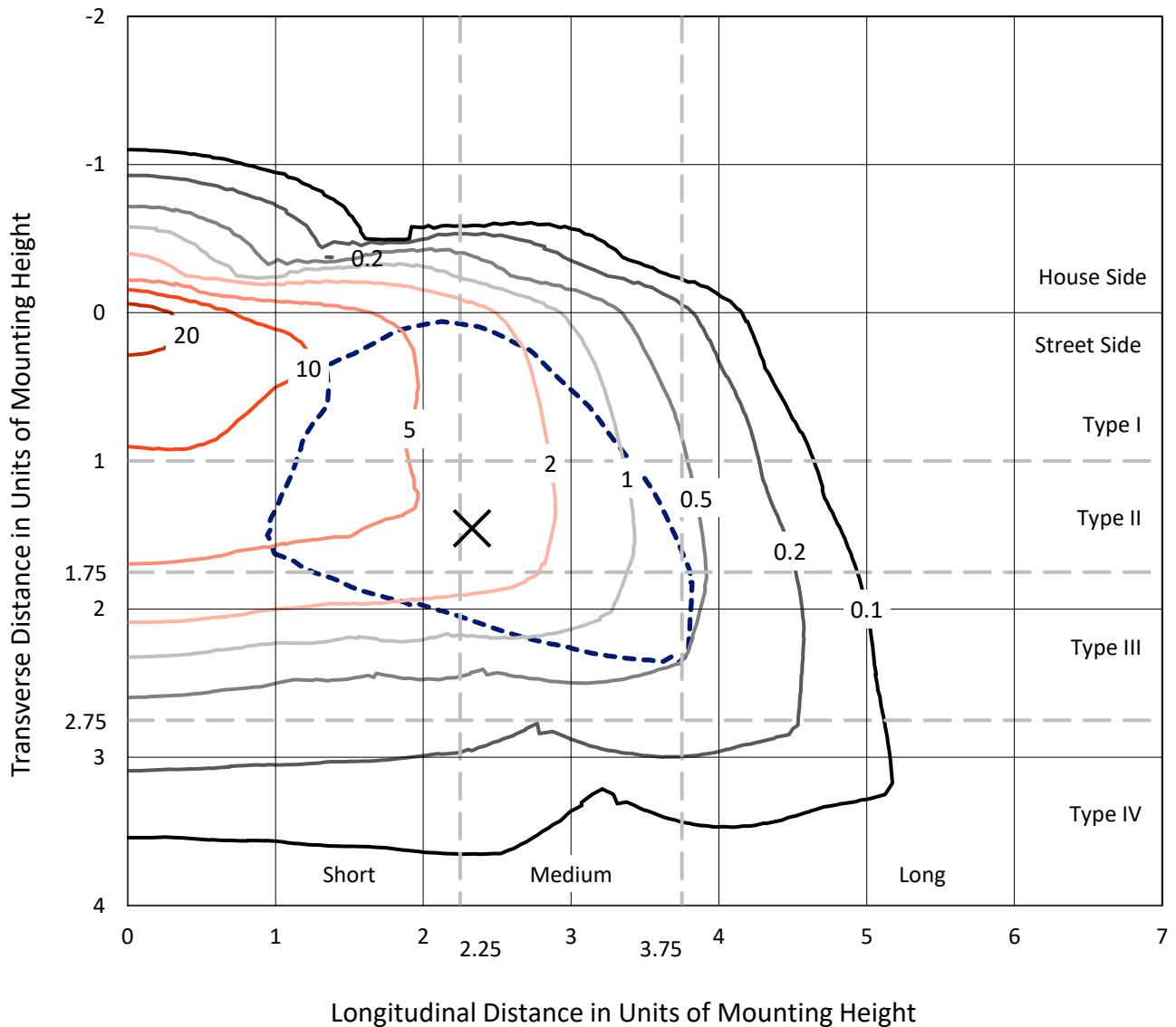
Input Watts (W): 86  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

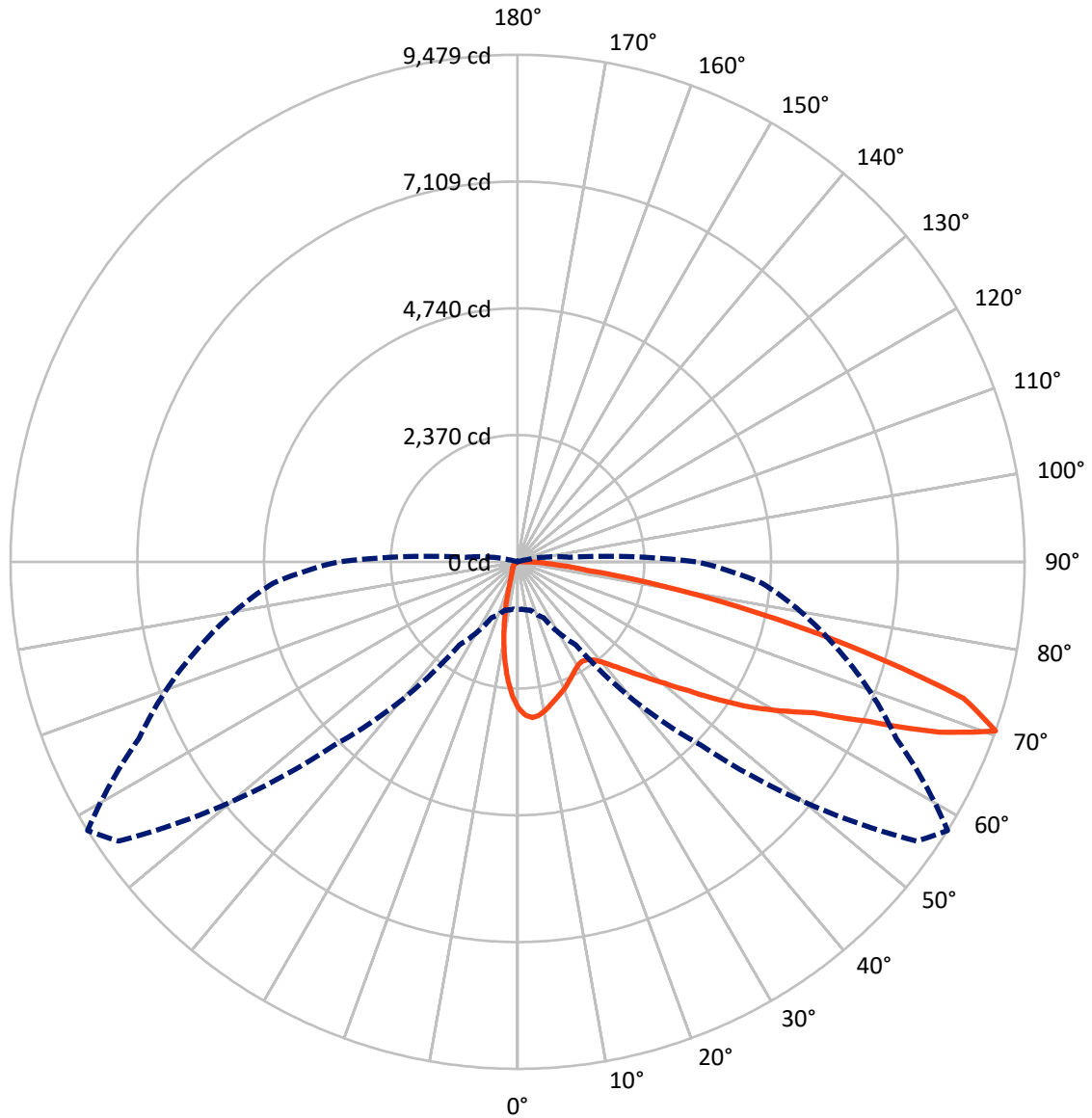
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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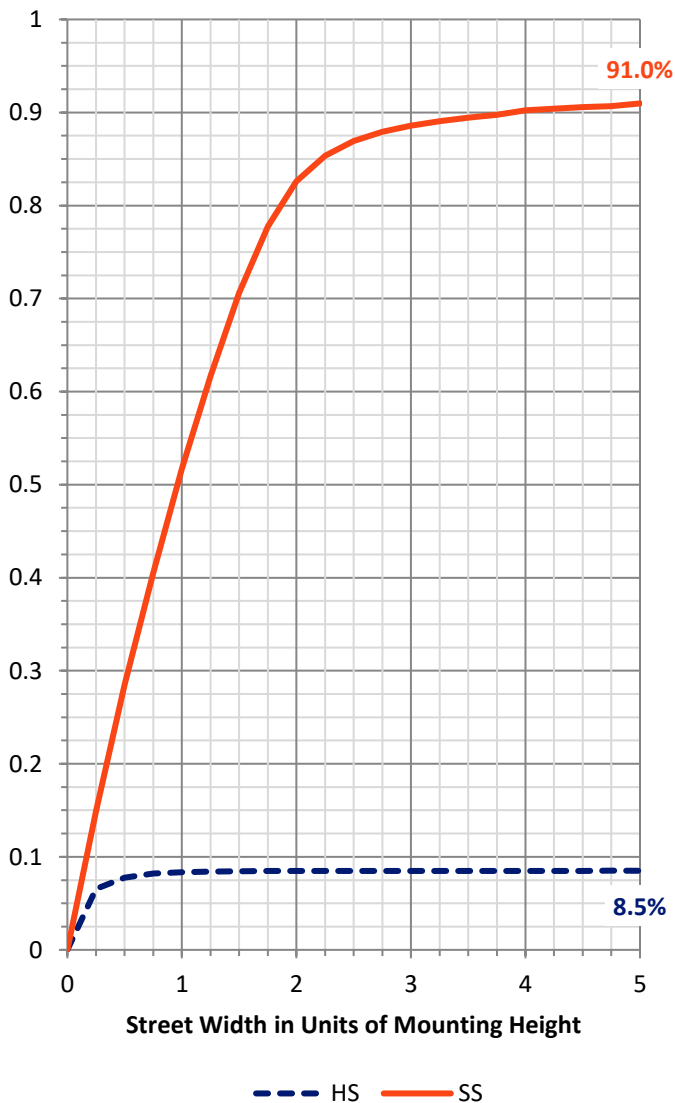
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	794.2	0.0	794.2
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	8485.8	0.0	8485.8
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	9280.0	0.0	9280.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.2	2.4
10°-20°	470.5	5.1
20°-30°	618.5	6.7
30°-40°	819.1	8.8
40°-50°	1224.4	13.2
50°-60°	1961.4	21.1
60°-70°	2472.3	26.6
70°-80°	1333.6	14.4
80°-90°	156.1	1.7
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°	9280.0	100.0
0°-180°	9280.0	100.0

**Coefficient of Utilization**

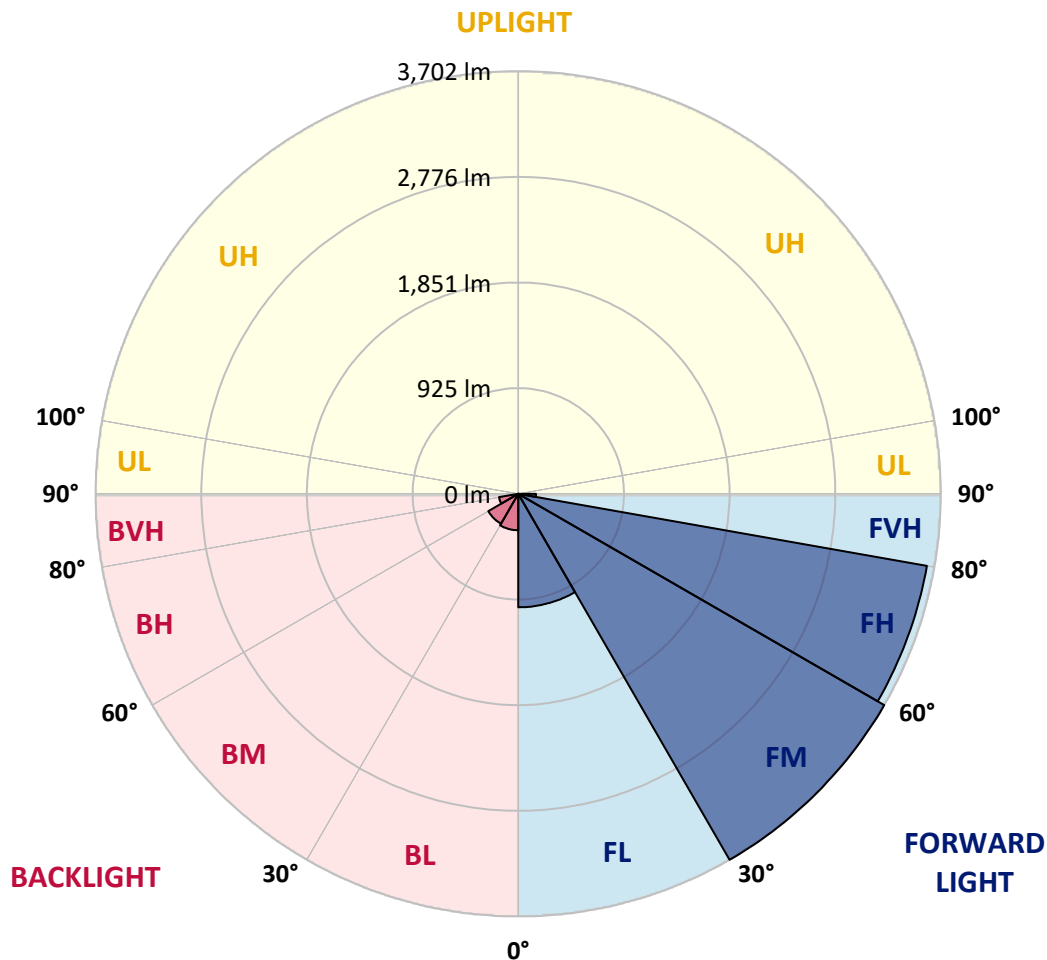


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	994.1	10.7			
FM (30°-60°)	3701.9	39.9			
FH (60°-80°)	3635.1	39.2			G2/5000
FVH (80°-90°)	154.7	1.7			G2/225
BL (0°-30°)	319.1	3.4	B1/500		
BM (30°-60°)	303.0	3.3	B1/1000		
BH (60°-80°)	170.8	1.8	B1/500		G1/500
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2741.3	2741.3	2741.3	2741.3	2741.3	2741.3	2741.3	2741.3	2741.3	2741.3	2741.3
2.5°	2968.5	2961.2	2958.5	2953.9	2936.1	2918.8	2884.4	2874.8	2853.2	2801.9	2747.4
5°	2970.9	2970.5	2978.6	2976.7	2970.5	2962.4	2937.7	2924.9	2888.3	2815.0	2715.4
7.5°	2827.7	2835.0	2853.2	2867.8	2884.8	2906.8	2909.9	2897.5	2867.4	2788.3	2656.4
10°	2635.5	2647.1	2672.6	2701.5	2745.9	2789.9	2829.2	2827.7	2817.3	2739.3	2585.4
12.5°	2443.0	2456.5	2485.8	2528.7	2591.5	2663.3	2733.6	2743.2	2760.6	2695.3	2519.8
15°	2274.4	2285.9	2314.9	2367.4	2445.3	2541.8	2644.8	2662.5	2707.3	2661.0	2465.0
17.5°	2131.2	2138.5	2159.8	2218.0	2308.3	2425.2	2559.1	2593.9	2660.6	2634.0	2417.5
20°	2031.3	2032.4	2046.3	2087.2	2177.5	2308.3	2470.4	2520.2	2611.2	2610.8	2368.5
22.5°	1981.9	1978.0	1980.7	2004.2	2070.6	2196.8	2381.6	2440.7	2566.9	2591.2	2318.7
25°	1972.6	1969.5	1961.8	1964.9	2005.0	2099.2	2292.1	2360.4	2527.9	2579.2	2275.5
27.5°	2001.5	2004.6	1991.5	1977.6	1980.7	2035.9	2212.6	2291.7	2496.2	2579.2	2245.0
30°	2059.8	2061.4	2051.7	2033.6	2009.3	2018.1	2157.4	2236.5	2480.4	2597.0	2225.7
32.5°	2124.3	2132.7	2131.6	2116.9	2082.2	2046.3	2144.3	2216.5	2479.3	2636.3	2223.8
35°	2204.1	2213.8	2230.0	2226.9	2190.6	2131.6	2189.1	2245.8	2502.0	2701.1	2244.6
37.5°	2289.0	2303.7	2338.4	2355.0	2331.5	2264.7	2289.4	2329.9	2563.0	2806.1	2297.5
40°	2371.2	2387.8	2451.1	2516.3	2498.6	2429.9	2441.4	2473.9	2671.4	2957.0	2397.8
42.5°	2451.9	2476.6	2569.6	2676.8	2698.0	2643.3	2649.4	2675.3	2832.3	3164.6	2561.8
45°	2548.3	2576.1	2713.9	2846.2	2903.0	2879.0	2905.3	2922.2	3042.6	3438.9	2782.9
47.5°	2689.9	2722.0	2891.0	3041.9	3141.4	3156.9	3209.7	3220.9	3308.5	3758.4	3071.2
50°	2966.2	2975.1	3127.9	3264.9	3408.4	3501.1	3561.3	3569.7	3630.3	4107.7	3431.2
52.5°	3313.9	3319.7	3406.1	3498.0	3661.2	3850.3	3991.1	4003.1	4015.8	4448.0	3786.6
55°	3659.3	3658.5	3715.6	3769.6	3956.4	4231.1	4536.8	4544.1	4452.6	4771.0	4058.3
57.5°	3875.0	3895.8	3982.6	4052.1	4312.9	4665.2	5089.3	5116.3	4911.4	5010.2	4326.8
60°	3806.3	3816.3	4008.9	4265.9	4757.1	5282.3	5648.5	5655.4	5256.4	5249.1	4666.4
62.5°	3242.9	3248.3	3550.8	4080.6	4982.1	6082.6	6323.0	6209.9	5653.1	5580.5	5072.7
65°	2222.6	2257.8	2510.5	3165.3	4568.8	6584.6	7367.2	7180.0	6257.8	6058.3	5440.1
67.5°	1308.9	1301.6	1426.6	1908.9	3355.6	6251.2	8688.0	8502.0	7082.4	6378.2	5332.4
70°	894.1	889.1	936.9	1155.7	1894.3	4849.3	9103.6	9479.1	7810.5	6162.8	4589.2
72.5°	638.2	640.9	711.6	897.9	1189.3	2825.4	7828.7	8717.3	7582.5	5372.6	3488.3
75°	433.3	440.7	541.8	736.6	1042.6	1437.4	5555.5	6626.7	6174.4	3904.7	2005.0
77.5°	233.1	241.2	360.4	593.5	942.7	998.6	3573.6	4560.7	3878.4	1755.4	581.1
80°	97.2	101.9	168.6	431.4	814.6	877.1	2102.6	2765.6	1652.7	346.1	129.7
82.5°	42.1	44.4	70.2	257.4	608.9	740.5	1113.3	1330.5	500.9	76.0	65.2
85°	8.1	8.5	28.9	136.2	388.6	417.9	721.6	707.3	225.0	32.8	47.5
87.5°	0.0	0.0	6.9	42.8	114.2	227.7	440.3	434.9	76.4	15.8	17.8
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°	2741.3	2741.3	2741.3	2741.3	2741.3	2741.3	2741.3	2741.3	2741.3	2741.3	2741.3
2.5°	2719.7	2693.0	2637.1	2568.0	2515.1	2456.9	2410.6	2351.9	2326.5	2327.6	2313.7
5°	2658.7	2603.9	2480.0	2323.7	2203.4	2079.1	1972.2	1865.7	1802.8	1782.4	1763.1
7.5°	2571.5	2484.7	2287.1	2046.3	1842.6	1643.4	1470.2	1317.8	1221.3	1174.2	1156.9
10°	2473.1	2351.1	2065.2	1748.0	1457.1	1187.7	963.1	767.9	689.9	637.1	623.6
12.5°	2386.6	2221.5	1848.3	1442.0	1096.7	771.8	557.6	436.0	383.2	362.3	358.9
15°	2305.2	2100.3	1639.6	1165.0	759.4	475.0	354.6	313.3	301.0	297.5	297.5
17.5°	2228.4	1984.9	1435.5	892.1	502.4	333.0	293.7	284.4	280.5	280.1	280.5
20°	2148.2	1869.6	1234.8	653.7	350.8	282.1	271.3	266.3	265.1	265.1	265.1
22.5°	2071.4	1754.2	1039.6	466.9	281.3	257.4	252.0	248.5	247.3	247.0	246.2
25°	1997.7	1644.6	848.9	329.9	247.0	235.8	231.1	226.5	223.0	221.1	219.9
27.5°	1937.1	1547.0	671.4	264.7	223.0	213.4	207.6	200.7	192.2	188.3	186.8
30°	1888.9	1457.8	517.5	223.4	200.7	191.0	182.1	170.2	157.8	151.3	150.9
32.5°	1851.1	1370.2	392.8	197.6	180.6	168.6	155.9	140.8	126.6	119.2	118.9
35°	1832.5	1293.1	300.2	178.7	162.8	147.8	132.0	115.4	101.5	94.5	93.8
37.5°	1844.9	1227.9	234.2	162.8	147.8	130.4	111.9	94.5	82.2	76.0	75.6
40°	1890.0	1186.2	190.2	149.3	135.1	113.8	93.8	77.6	67.1	62.1	61.7
42.5°	1986.1	1170.7	162.5	138.1	122.7	98.4	77.9	64.1	54.4	50.9	50.2
45°	2146.6	1193.5	143.5	127.3	110.0	83.7	64.4	52.5	44.0	41.3	40.9
47.5°	2360.4	1253.3	130.0	116.9	98.4	70.6	53.6	42.4	35.9	33.2	32.8
50°	2635.9	1348.3	118.9	106.5	87.6	59.8	44.4	33.6	27.8	25.9	25.9
52.5°	2935.7	1461.3	108.8	96.9	76.8	49.8	35.9	25.9	22.0	19.7	19.7
55°	3183.5	1560.1	98.0	89.5	63.7	41.3	27.4	19.7	16.2	15.0	15.0
57.5°	3430.8	1665.4	85.7	76.8	50.9	33.6	20.8	14.7	12.0	11.2	11.2
60°	3751.5	1794.3	73.7	62.5	40.1	25.5	15.4	10.4	8.9	8.5	8.5
62.5°	4104.2	1870.0	62.9	50.2	31.3	18.9	11.2	6.9	6.6	6.6	6.2
65°	4319.9	1763.1	52.9	40.1	24.3	14.3	7.3	5.0	5.8	5.4	4.6
67.5°	4044.8	1380.3	43.2	31.3	18.9	10.8	4.6	3.5	6.2	5.0	3.9
70°	3349.0	966.2	33.6	22.0	15.0	9.3	3.1	2.3	6.6	5.0	3.1
72.5°	2506.3	646.7	26.6	14.7	11.2	8.1	2.7	1.2	5.8	4.2	2.7
75°	1369.5	260.5	21.2	9.3	6.9	5.8	1.9	0.8	3.9	3.1	1.9
77.5°	360.4	68.7	15.4	6.2	3.9	2.3	1.2	0.4	1.9	1.5	0.8
80°	91.8	26.6	10.0	4.2	2.7	1.2	0.0	0.0	0.4	0.0	0.0
82.5°	49.0	11.2	6.2	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	37.0	7.3	3.5	1.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.3	2.3	1.2	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)