

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: P386808

Luminaire Tested: GAW-SA2C-730-U-SL4-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2C-730-U-SL4-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10910 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

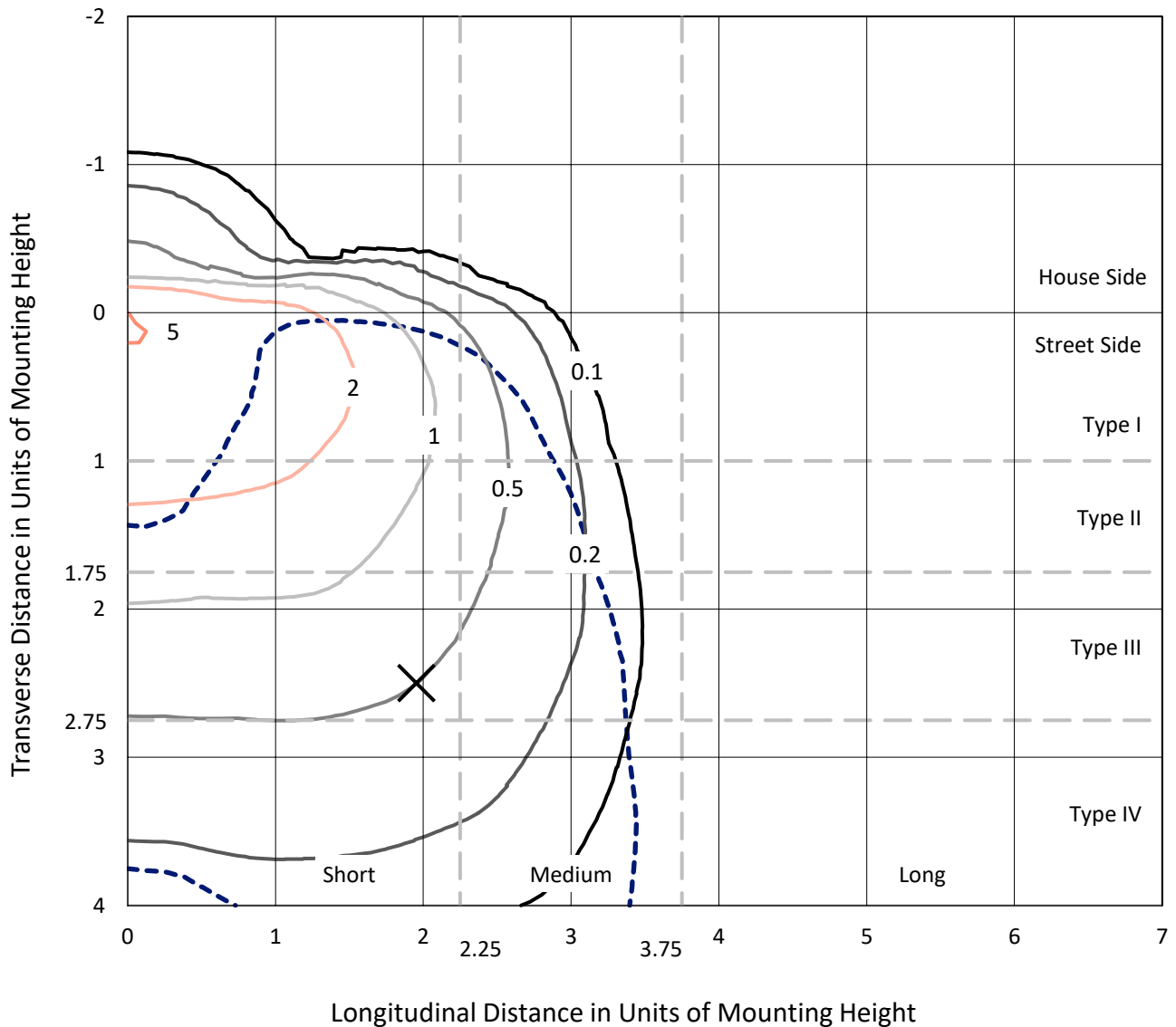
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P386808
 CATALOG NUMBER: GAW-SA2C-730-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

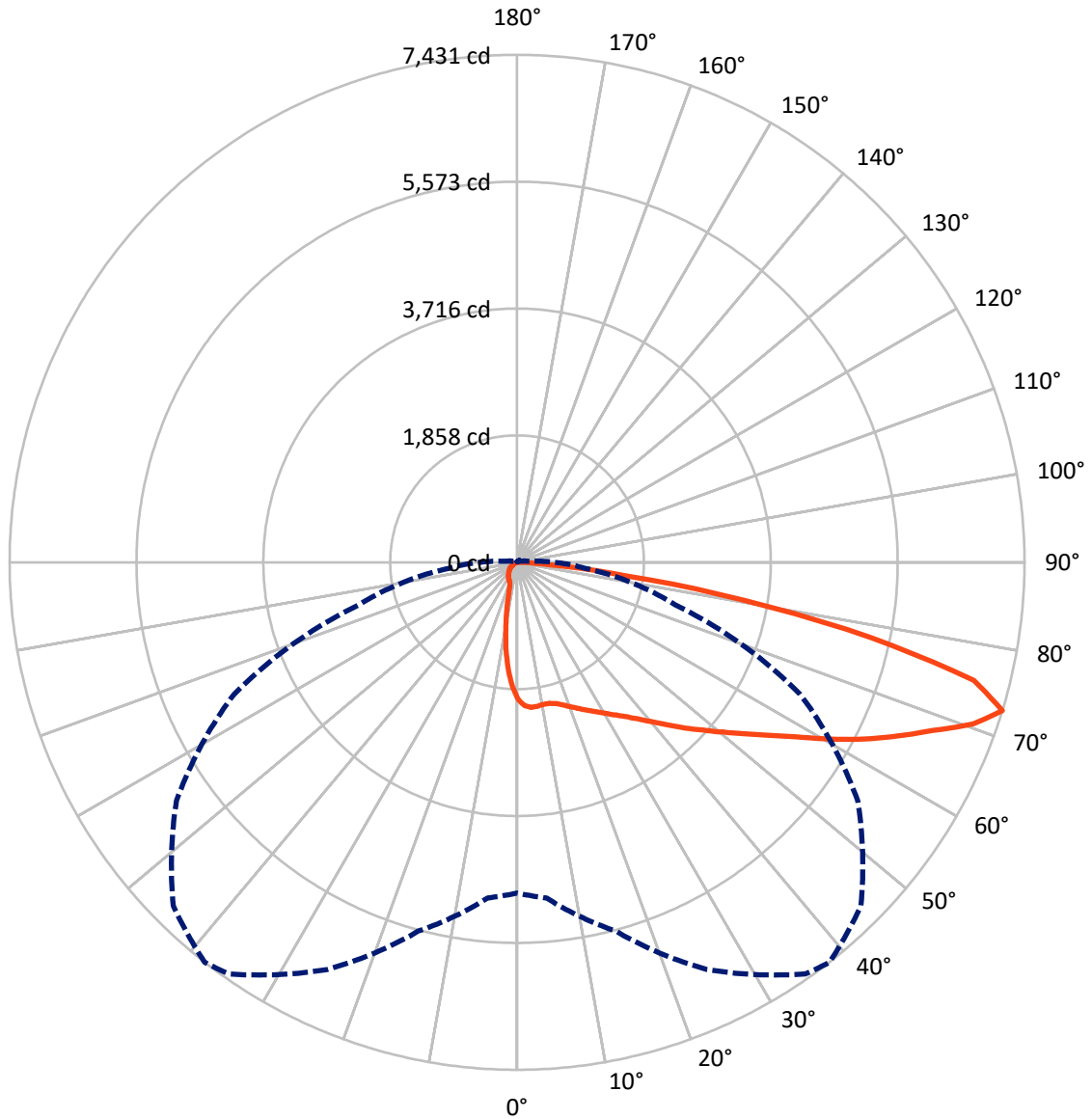
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P386808
CATALOG NUMBER: GAW-SA2C-730-U-SL4-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P386808
 CATALOG NUMBER: GAW-SA2C-730-U-SL4-HSS

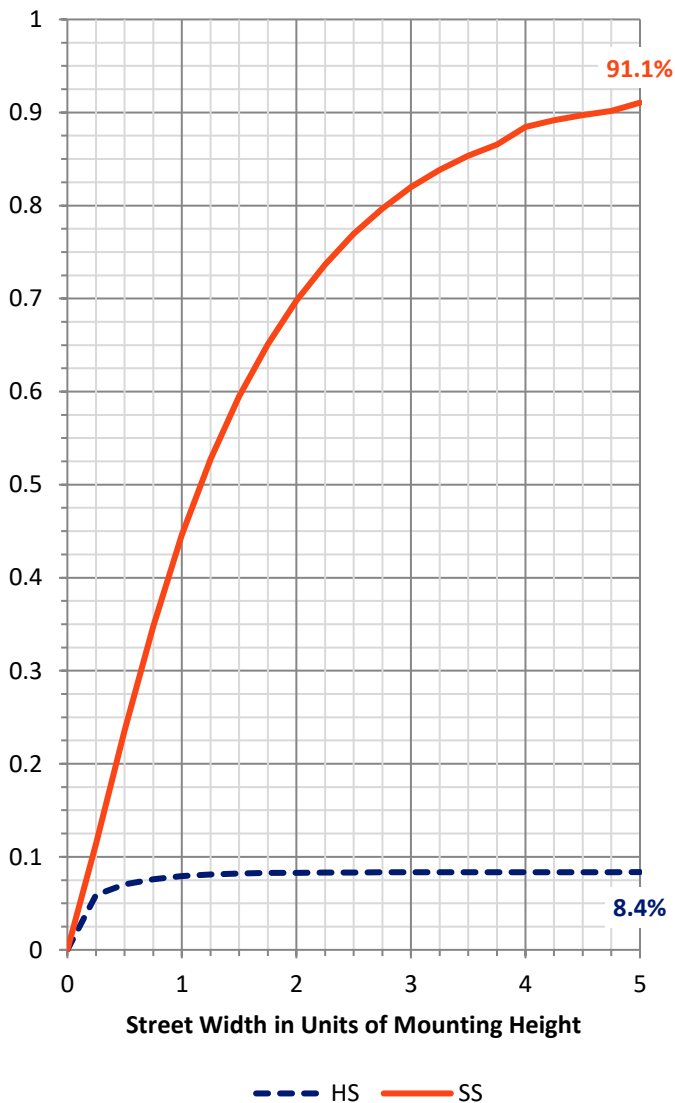
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	918.1	0.0	918.1
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	9991.9	0.0	9991.9
	% Fixture	91.6	0.0	91.6
Total	Lumens	10910.0	0.0	10910.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.0	1.6
10°-20°	418.1	3.8
20°-30°	664.9	6.1
30°-40°	999.7	9.2
40°-50°	1525.1	14.0
50°-60°	2155.4	19.8
60°-70°	2703.6	24.8
70°-80°	2021.6	18.5
80°-90°	250.7	2.3
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°	10910.0	100.0
0°-180°	10910.0	100.0

Coefficient of Utilization



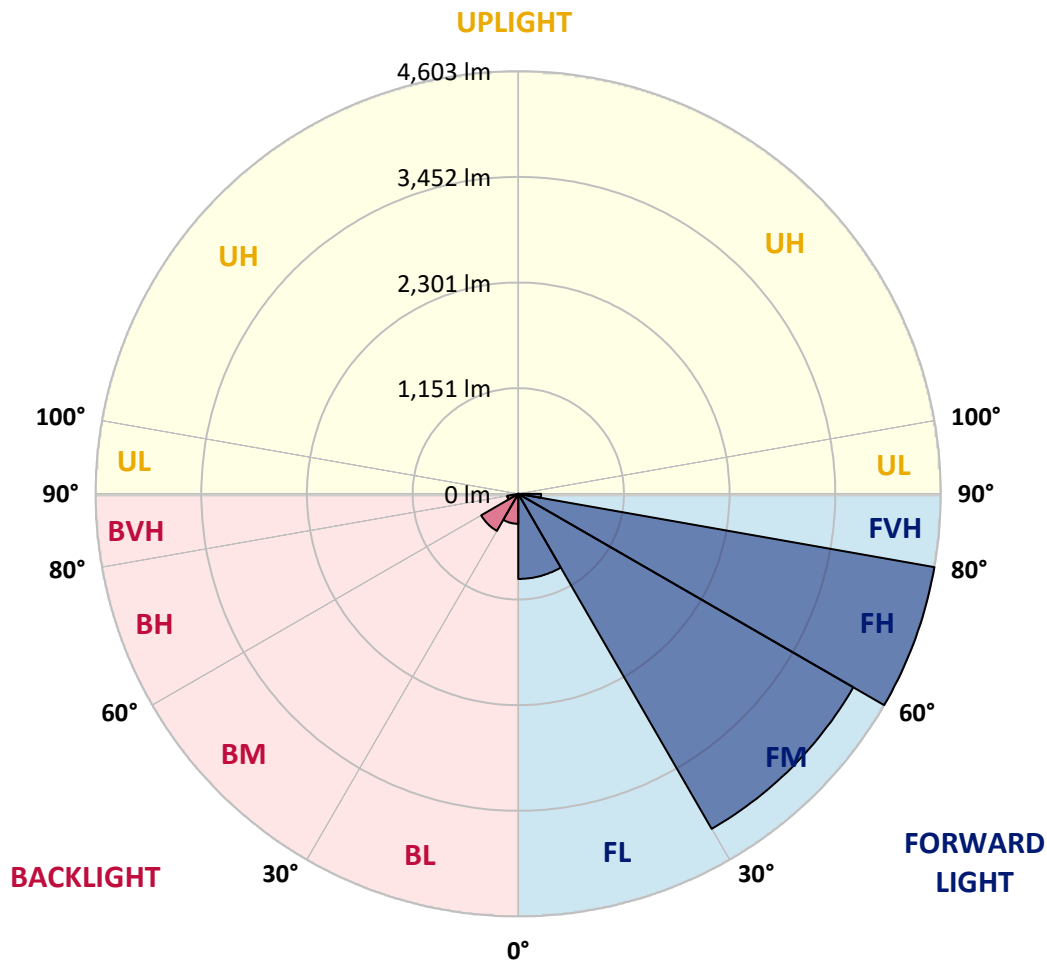
REPORT NUMBER: P386808
 CATALOG NUMBER: GAW-SA2C-730-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	927.1	8.5			
FM (30°-60°)	4213.9	38.6			
FH (60°-80°)	4602.5	42.2			G2/5000
FVH (80°-90°)	248.3	2.3			G3/500
BL (0°-30°)	326.9	3.0	B1/500		
BM (30°-60°)	466.2	4.3	B1/1000		
BH (60°-80°)	122.6	1.1	B1/500		G1/500
BVH (80°-90°)	2.3	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-G3

Type IV Short





REPORT NUMBER: P386808

CATALOG NUMBER: GAW-SA2C-730-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	2129.6	2130.0	2125.0	2116.9	2106.4	2101.0	2091.9	2077.4	2062.0	2034.4	2004.5
5°	2173.1	2173.1	2166.7	2155.8	2139.1	2134.1	2116.9	2093.8	2062.0	2017.2	1966.9
7.5°	2168.5	2169.4	2160.8	2149.5	2132.7	2128.2	2107.4	2081.5	2042.1	1987.7	1923.4
10°	2145.0	2147.2	2140.4	2135.0	2119.6	2114.6	2095.1	2069.3	2029.9	1971.9	1898.0
12.5°	2120.9	2123.2	2125.5	2130.5	2120.9	2119.1	2103.7	2082.0	2044.4	1984.1	1900.7
15°	2105.5	2110.1	2126.4	2145.9	2148.1	2146.3	2136.4	2116.0	2077.9	2015.4	1920.2
17.5°	2105.5	2112.8	2146.8	2183.9	2197.1	2198.4	2189.8	2161.3	2116.0	2048.9	1938.3
20°	2123.2	2133.2	2186.2	2238.8	2260.5	2260.5	2243.7	2203.9	2150.9	2079.3	1950.6
22.5°	2168.5	2181.7	2248.3	2309.0	2332.1	2327.1	2304.5	2246.5	2187.1	2113.7	1966.0
25°	2257.8	2267.7	2337.1	2398.2	2412.3	2401.0	2372.4	2298.1	2233.3	2160.4	1994.1
27.5°	2372.9	2374.2	2445.8	2497.5	2488.9	2481.2	2445.4	2362.9	2299.9	2227.0	2042.6
30°	2499.3	2499.3	2562.3	2601.7	2575.4	2569.1	2533.3	2441.3	2385.1	2317.6	2111.4
32.5°	2621.6	2627.1	2678.3	2703.2	2673.7	2667.4	2632.5	2540.5	2498.4	2455.8	2218.8
35°	2739.9	2744.0	2792.4	2806.0	2777.9	2779.7	2754.8	2676.9	2661.0	2655.6	2380.6
37.5°	2854.5	2855.4	2904.8	2913.4	2899.4	2914.8	2917.0	2848.2	2877.6	2921.6	2608.5
40°	2959.2	2960.1	3009.0	3031.2	3055.2	3075.2	3092.8	3056.1	3153.6	3255.5	2879.9
42.5°	3043.0	3052.5	3114.6	3156.7	3220.2	3258.2	3306.2	3304.4	3482.0	3635.2	3207.9
45°	3116.9	3133.2	3219.7	3293.6	3402.3	3463.0	3538.2	3597.1	3851.8	4057.9	3540.0
47.5°	3214.3	3229.7	3328.4	3449.4	3594.4	3674.2	3798.8	3926.1	4258.2	4473.0	3864.5
50°	3351.6	3344.8	3442.2	3615.7	3801.9	3906.6	4084.2	4275.0	4661.5	4834.5	4055.2
52.5°	3497.9	3495.2	3567.2	3796.5	4046.6	4168.9	4403.6	4635.6	5047.0	5083.7	4142.7
55°	3679.1	3659.7	3720.4	4002.7	4337.0	4468.4	4744.8	4992.7	5354.2	5224.2	4186.6
57.5°	3869.0	3836.8	3894.8	4232.4	4664.6	4820.0	5122.7	5340.7	5558.6	5320.3	4186.2
60°	4065.2	4027.1	4096.0	4519.6	5071.5	5251.4	5532.3	5575.8	5749.3	5368.7	4155.4
62.5°	4229.2	4206.6	4309.0	4826.8	5526.0	5702.7	5841.8	5789.7	5910.2	5406.4	4083.3
65°	4402.7	4404.1	4569.5	5185.2	6009.0	6128.1	6139.9	6067.0	6044.8	5398.6	3839.5
67.5°	4637.4	4659.2	4935.1	5671.9	6478.8	6570.8	6569.9	6367.4	6143.1	5092.4	3299.0
70°	4885.7	4936.9	5356.5	6228.7	6991.7	7085.1	7037.0	6558.6	5784.2	4117.7	2334.8
72.5°	4844.1	4932.9	5590.8	6579.9	7360.1	7431.2	7119.1	6088.7	4571.7	2393.3	994.1
75°	3737.1	3840.0	5126.3	6231.9	6973.6	6909.7	6116.8	4738.0	2498.4	667.9	223.8
77.5°	1974.1	2029.0	3386.4	4747.5	5437.6	5304.0	4309.0	2628.4	761.7	165.4	100.6
80°	1034.0	1046.7	1475.7	2693.7	3356.1	3357.0	2553.7	1154.5	314.0	84.7	67.5
82.5°	553.7	564.6	779.8	1244.7	1758.5	1594.0	977.8	635.2	182.6	48.0	64.8
85°	133.2	135.5	442.2	568.6	691.4	493.9	290.4	533.3	49.4	28.1	52.6
87.5°	51.2	52.1	164.0	246.0	176.3	114.2	135.9	198.9	6.3	10.9	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P386808

CATALOG NUMBER: GAW-SA2C-730-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	1986.4	1974.6	1945.6	1908.9	1876.3	1852.7	1817.4	1794.3	1778.9	1778.4	1772.5
5°	1936.1	1912.1	1849.5	1775.2	1707.7	1647.0	1575.4	1518.8	1476.6	1469.8	1455.3
7.5°	1882.2	1842.7	1746.7	1630.7	1517.4	1402.3	1268.7	1185.8	1114.6	1080.6	1077.0
10°	1849.1	1793.8	1657.4	1489.8	1312.2	1125.0	950.1	829.2	741.7	716.8	698.2
12.5°	1842.3	1769.3	1588.6	1357.5	1103.7	856.4	662.9	534.2	464.4	442.2	436.3
15°	1849.1	1758.0	1530.6	1226.5	892.6	607.6	444.9	370.2	343.9	337.6	337.1
17.5°	1853.2	1744.4	1464.9	1081.1	687.8	434.1	340.7	319.0	314.9	314.4	315.4
20°	1852.7	1723.6	1386.5	918.9	511.5	341.2	308.1	303.6	302.7	303.1	302.7
22.5°	1849.5	1699.1	1300.4	751.7	386.5	304.9	294.1	291.3	290.9	290.9	290.9
25°	1855.4	1679.6	1205.7	591.7	318.5	288.2	281.4	279.1	278.7	278.7	277.7
27.5°	1876.7	1668.8	1101.9	455.4	287.7	273.2	267.8	267.3	266.0	265.5	266.4
30°	1911.2	1668.8	988.2	354.3	269.1	257.8	253.7	252.8	252.4	251.9	252.4
32.5°	1971.9	1681.4	864.1	294.5	251.5	240.6	237.9	239.2	237.9	237.9	237.9
35°	2081.5	1719.5	734.0	256.9	232.9	223.8	221.1	222.9	222.0	222.0	221.6
37.5°	2241.5	1790.2	603.1	234.3	216.6	207.1	203.4	206.2	205.3	205.3	204.8
40°	2436.3	1893.0	478.5	217.0	200.7	190.8	187.6	188.9	186.7	186.7	187.6
42.5°	2676.9	2023.5	369.7	200.3	184.9	175.3	173.5	172.2	168.1	165.8	166.3
45°	2944.2	2159.5	288.2	184.0	169.9	162.2	159.5	155.9	149.1	144.5	145.0
47.5°	3183.0	2264.1	234.3	168.1	156.3	150.4	146.4	139.6	129.6	124.1	124.6
50°	3308.5	2280.0	199.4	152.2	143.6	137.7	131.9	121.4	109.6	103.8	103.3
52.5°	3340.7	2205.7	173.5	137.7	130.9	124.1	116.4	102.4	89.3	82.9	82.0
55°	3352.5	2092.4	150.4	124.1	117.4	109.6	99.7	83.8	71.6	65.2	64.8
57.5°	3313.5	1923.4	132.3	111.9	103.8	94.2	82.0	67.1	55.3	50.3	50.3
60°	3227.0	1694.6	118.3	98.8	89.7	78.8	66.2	52.1	41.2	37.2	37.2
62.5°	3054.3	1398.3	105.1	85.2	76.6	65.2	53.5	39.4	29.0	26.7	27.2
65°	2728.5	1060.7	92.0	72.9	65.2	53.9	41.7	28.1	19.5	19.5	20.4
67.5°	2225.2	736.7	78.4	62.1	56.2	44.0	31.7	19.5	13.6	15.4	17.2
70°	1473.0	413.2	67.1	51.2	48.0	34.9	23.6	13.1	10.9	14.5	17.7
72.5°	555.9	160.8	56.2	41.2	41.7	26.7	16.8	10.0	10.0	15.9	20.8
75°	155.0	78.8	40.3	30.4	32.6	19.5	12.2	8.6	9.5	18.1	24.5
77.5°	91.1	58.0	26.3	17.7	22.2	13.6	8.2	6.8	8.2	15.4	23.6
80°	73.4	30.8	15.4	9.1	12.2	7.7	5.4	4.1	2.3	5.9	12.2
82.5°	73.4	18.6	7.2	6.3	6.3	4.1	2.7	1.8	0.5	0.0	3.2
85°	49.4	7.7	4.5	4.1	3.2	1.4	0.9	0.5	0.0	0.0	0.0
87.5°	8.2	3.2	1.8	0.9	0.5	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)