

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P652716

Luminaire Tested: **GLAN-SA2C-840-U-SL2-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-840-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9731.2 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

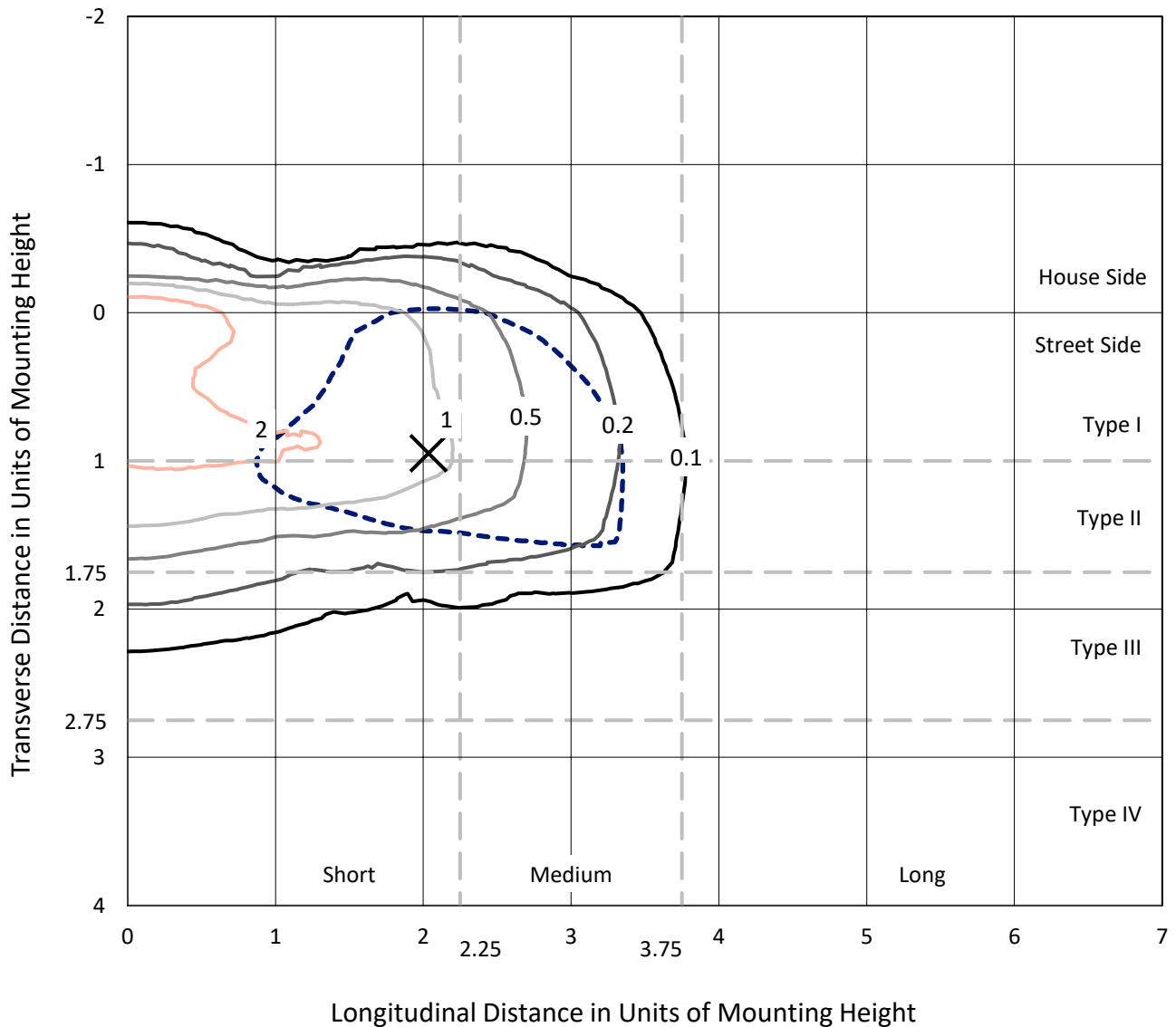
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

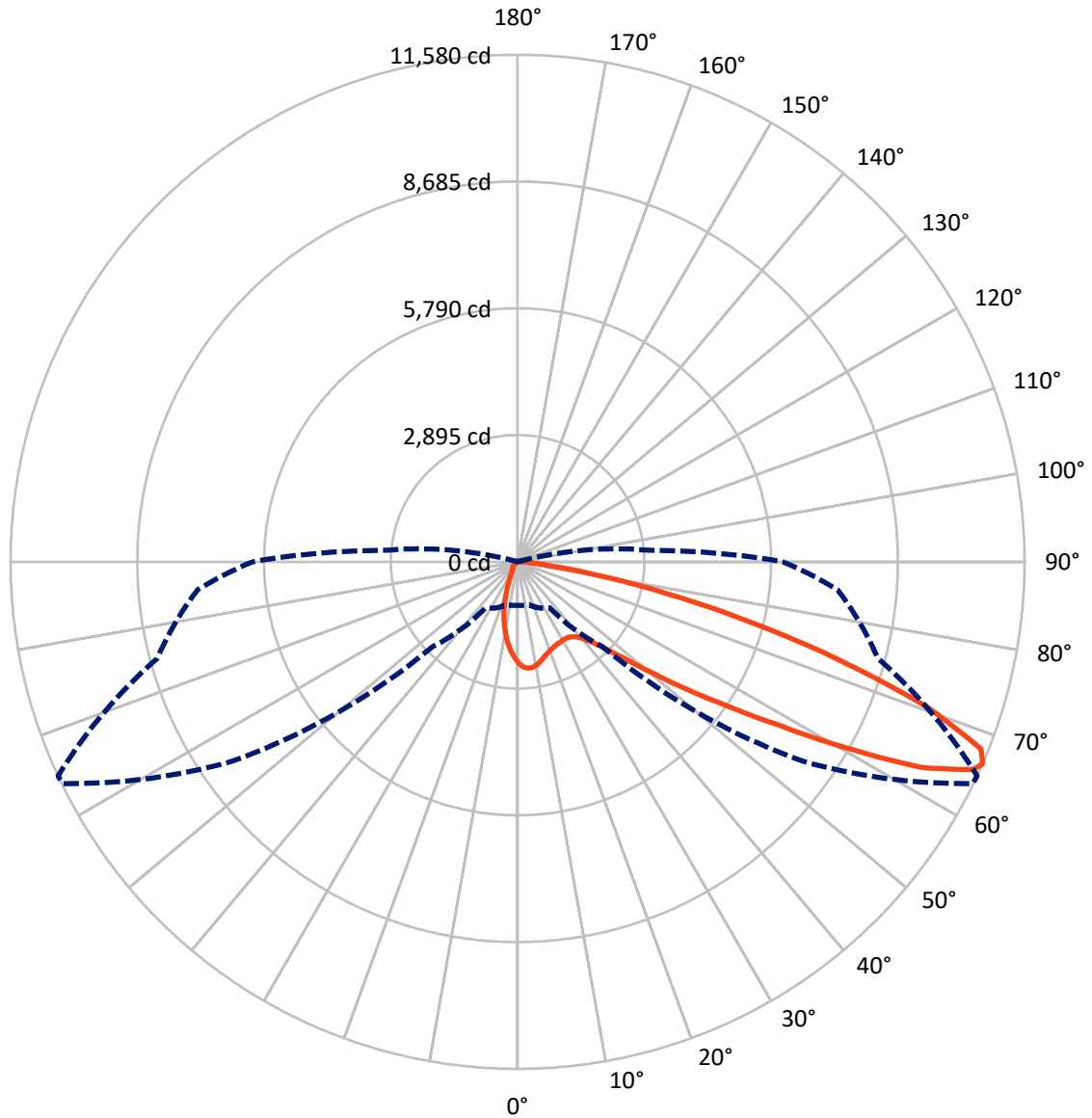
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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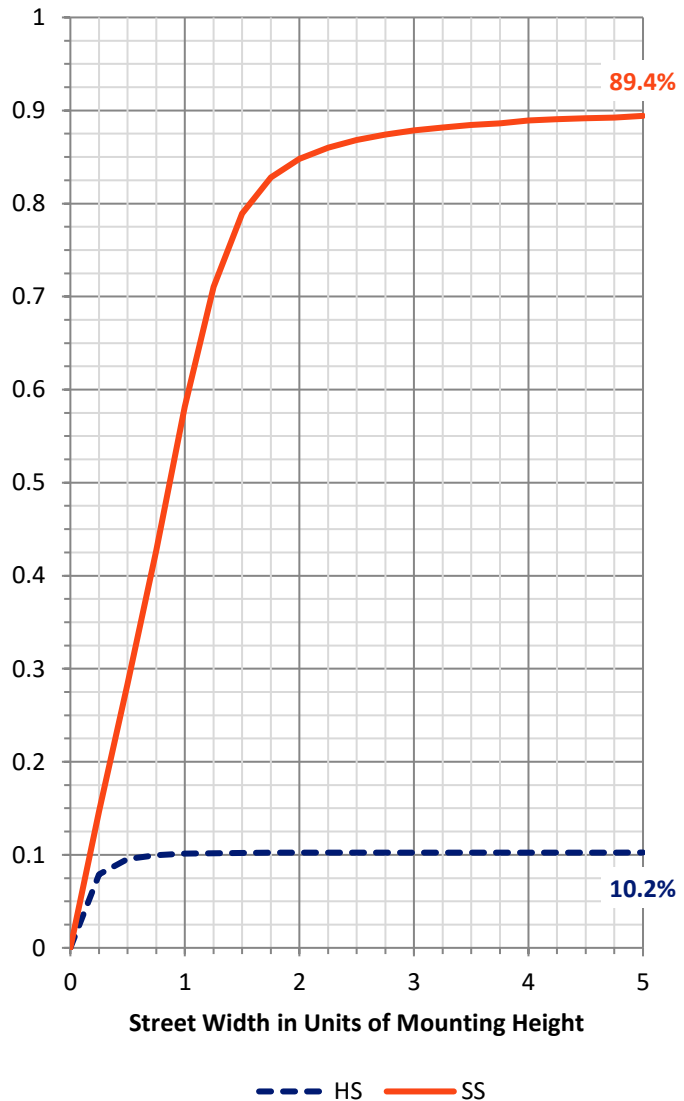
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1006.3	0.0	1006.3
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	8724.9	0.0	8724.9
	% Fixture	89.7	0.0	89.7
Total	Lumens	9731.2	0.0	9731.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.7	1.9
10°-20°	411.2	4.2
20°-30°	589.1	6.1
30°-40°	860.4	8.8
40°-50°	1442.7	14.8
50°-60°	2407.6	24.7
60°-70°	2555.6	26.3
70°-80°	1157.4	11.9
80°-90°	118.4	1.2
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°	9731.2	100.0
0°-180°	9731.2	100.0

Coefficient of Utilization

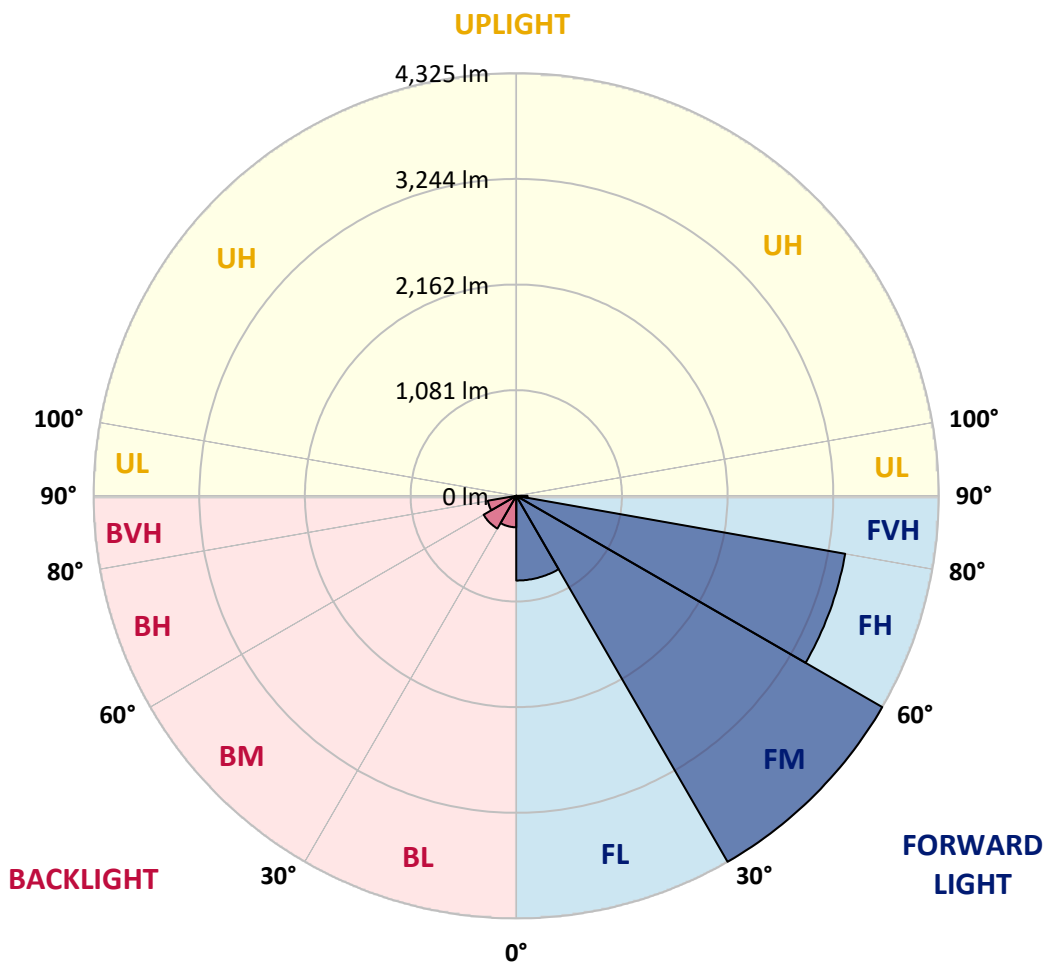


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	867.1	8.9			
FM (30°-60°)	4324.8	44.4			
FH (60°-80°)	3418.4	35.1			G2/5000
FVH (80°-90°)	114.7	1.2			G2/225
BL (0°-30°)	321.9	3.3	B1/500		
BM (30°-60°)	385.9	4.0	B1/1000		
BH (60°-80°)	294.7	3.0	B1/500		G1/500
BVH (80°-90°)	3.8	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	2307.6	2307.6	2307.6	2307.6	2307.6	2307.6	2307.6	2307.6	2307.6	2307.6	2307.6
2.5°	2431.8	2434.4	2437.8	2442.3	2445.6	2435.8	2422.0	2406.2	2402.9	2369.4	2328.6
5°	2301.7	2305.7	2334.6	2350.3	2385.8	2418.0	2438.4	2441.1	2439.7	2408.2	2343.1
7.5°	2116.4	2127.6	2155.8	2183.4	2249.8	2310.9	2383.2	2433.9	2437.1	2428.6	2347.7
10°	1965.8	1973.1	1987.5	2042.1	2097.3	2190.6	2291.9	2387.2	2395.1	2429.2	2343.8
12.5°	1848.2	1858.7	1876.4	1918.6	1984.9	2073.0	2188.0	2316.2	2332.6	2416.7	2332.6
15°	1766.0	1771.3	1789.1	1830.4	1894.9	1976.4	2092.7	2241.9	2256.4	2400.3	2330.7
17.5°	1727.2	1733.2	1745.7	1778.5	1831.8	1907.4	2021.1	2182.1	2200.5	2389.8	2337.9
20°	1737.8	1743.1	1743.7	1760.8	1797.0	1860.7	1968.4	2126.2	2149.8	2383.2	2349.7
22.5°	1797.6	1798.2	1790.4	1782.5	1794.9	1840.9	1936.3	2090.7	2115.0	2381.9	2363.5
25°	1887.0	1889.0	1875.9	1848.2	1823.2	1846.9	1929.1	2067.8	2089.4	2378.6	2372.0
27.5°	2010.6	2009.9	2006.0	1960.0	1889.0	1873.2	1935.0	2055.2	2073.7	2369.4	2375.3
30°	2183.4	2178.2	2169.6	2117.7	2009.2	1936.9	1960.0	2047.3	2064.4	2356.2	2366.7
32.5°	2353.6	2373.4	2372.0	2322.8	2187.4	2050.6	2011.8	2057.8	2070.4	2347.7	2354.3
35°	2552.1	2551.5	2602.1	2583.6	2425.3	2195.9	2100.6	2092.7	2102.6	2353.6	2348.4
37.5°	2736.2	2753.3	2832.2	2851.2	2706.6	2401.0	2226.1	2167.6	2171.0	2393.7	2362.9
40°	2965.5	2998.4	3116.1	3179.8	3052.3	2705.2	2411.5	2305.0	2305.7	2492.3	2417.4
42.5°	3261.3	3313.2	3423.0	3529.5	3461.1	3065.4	2689.5	2522.6	2521.2	2665.8	2542.3
45°	3620.8	3657.0	3781.9	3950.8	3907.4	3568.3	3094.4	2859.7	2842.7	2950.4	2763.8
47.5°	3931.1	3980.4	4107.2	4299.8	4496.9	4182.1	3578.1	3323.1	3311.9	3403.3	3143.7
50°	4066.5	4109.8	4243.3	4513.4	4991.3	4987.9	4298.4	3999.4	3980.4	4029.7	3731.3
52.5°	3917.9	3958.7	4093.4	4429.9	5223.9	5969.8	5342.2	4847.9	4824.9	4761.8	4433.2
55°	3409.2	3442.7	3641.9	4028.3	5134.5	6624.5	6780.2	5896.3	5806.9	5561.7	5227.8
57.5°	2714.5	2697.4	2821.0	3269.9	4610.0	6844.1	8256.4	7202.2	7042.5	6253.2	5900.2
60°	1881.1	1933.6	1983.6	2279.4	3466.3	6463.5	9174.6	8844.0	8633.7	6933.4	6544.3
62.5°	1382.9	1417.7	1450.6	1587.3	2179.5	5160.8	9337.0	10530.6	10343.9	7655.7	7158.8
65°	1093.6	1096.3	1109.4	1244.2	1436.1	3355.9	8556.8	11481.6	11433.6	8351.1	7407.9
66°	996.4	997.1	1017.4	1162.0	1288.9	2732.9	7931.8	11553.9	11580.2	8518.1	7334.9
67.5°	870.9	868.2	897.9	1044.4	1173.9	1970.5	6813.1	11260.8	11416.6	8646.2	7072.7
70°	675.0	671.7	707.9	876.2	1081.2	1314.5	4528.5	9668.9	9920.0	8383.9	6257.7
72.5°	449.6	452.2	513.9	691.5	1031.9	1157.5	2724.3	7355.4	7710.3	6923.5	4922.9
75°	262.2	266.8	337.2	513.9	895.8	1103.6	1541.9	5244.9	5471.6	4780.9	3066.8
77.5°	137.3	139.4	188.6	339.2	686.8	1024.7	1027.3	3350.7	3457.2	2323.4	1214.0
80°	72.9	71.0	101.3	204.4	472.6	899.8	833.4	1773.9	1844.2	690.1	307.0
82.5°	27.6	30.2	53.9	134.1	279.3	646.1	717.7	784.1	759.8	151.8	128.8
85°	5.3	6.6	23.0	79.6	140.6	270.1	529.1	384.5	356.2	57.2	74.3
87.5°	0.7	1.3	6.6	19.1	20.4	91.3	156.4	106.5	92.0	21.0	30.9
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°	2307.6	2307.6	2307.6	2307.6	2307.6	2307.6	2307.6	2307.6	2307.6	2307.6	2307.6
2.5°	2309.0	2291.2	2232.0	2173.6	2113.8	2059.9	2023.0	1963.2	1948.1	1926.4	1913.9
5°	2304.3	2263.0	2149.3	2025.0	1909.3	1784.4	1689.1	1597.1	1547.9	1522.9	1513.6
7.5°	2291.2	2225.5	2048.0	1853.5	1668.1	1481.4	1319.1	1195.6	1116.0	1061.5	1024.7
10°	2264.9	2174.2	1930.3	1662.8	1382.9	1136.4	930.7	774.2	653.3	615.2	616.5
12.5°	2238.0	2117.0	1798.9	1451.2	1104.2	793.3	575.1	451.5	393.7	374.7	370.7
15°	2213.0	2062.5	1670.1	1246.2	822.2	513.9	370.7	327.3	311.5	308.2	307.6
17.5°	2199.8	2011.8	1532.7	1011.6	573.8	349.0	297.0	285.3	280.6	277.4	276.0
20°	2188.7	1967.9	1401.3	792.0	392.4	285.9	266.2	255.0	247.2	243.8	241.9
22.5°	2180.8	1922.4	1265.2	613.3	300.4	253.7	236.0	221.5	210.3	206.4	203.8
25°	2168.9	1872.5	1127.9	448.3	253.1	225.5	205.0	188.0	173.5	166.3	165.0
27.5°	2151.9	1816.0	977.3	331.9	226.1	200.5	175.5	154.5	140.0	132.1	132.8
30°	2124.3	1756.8	826.9	263.6	204.4	174.8	147.8	127.5	113.7	107.8	107.1
32.5°	2091.4	1685.2	688.8	226.1	184.7	151.8	123.5	105.8	95.3	90.7	90.1
35°	2060.5	1612.9	548.2	203.1	164.3	130.8	103.9	88.7	80.8	76.9	77.5
37.5°	2043.4	1548.5	427.2	184.7	147.8	112.4	89.4	76.3	69.0	65.8	65.1
40°	2054.6	1495.9	339.8	168.3	129.5	96.6	76.9	65.8	58.5	53.9	53.9
42.5°	2107.1	1472.9	274.1	152.5	112.4	83.5	67.0	56.5	48.6	44.1	44.7
45°	2267.5	1497.2	229.3	138.0	96.6	72.3	57.9	46.7	39.4	36.2	35.5
47.5°	2533.8	1588.6	198.5	122.9	82.8	61.8	48.6	38.8	31.5	28.9	28.3
50°	2999.1	1777.2	175.5	107.8	70.3	52.6	40.1	30.9	25.0	22.4	22.4
52.5°	3639.3	2188.7	159.0	90.7	59.1	44.7	32.9	25.0	19.7	17.7	17.1
55°	4308.4	2622.5	150.5	76.3	49.3	36.8	26.3	19.7	15.1	13.1	12.4
57.5°	4951.8	2962.9	140.6	61.8	39.4	28.3	20.4	15.1	10.5	9.2	8.6
60°	5568.9	3238.3	119.6	49.3	30.9	20.4	15.1	10.5	7.2	5.9	5.9
62.5°	6121.1	3398.6	94.0	39.4	23.6	14.5	9.8	7.9	5.3	4.0	4.0
65°	6185.5	3190.3	71.0	30.2	17.1	9.2	5.9	5.9	4.0	2.6	2.6
66°	6056.0	3013.6	62.4	27.6	15.1	7.9	5.3	4.6	3.3	1.9	1.9
67.5°	5766.7	2711.8	53.9	23.6	12.4	5.9	4.0	4.0	2.6	1.3	1.3
70°	4982.7	2214.9	42.7	17.7	9.2	4.6	2.6	2.6	1.9	1.3	1.3
72.5°	3797.6	1653.7	34.8	13.1	6.6	3.3	1.9	1.9	1.9	1.3	1.3
75°	2290.5	890.6	26.9	9.8	5.9	2.6	1.3	1.9	2.6	1.9	1.3
77.5°	843.9	303.0	21.0	7.9	4.6	2.6	1.3	1.3	2.6	1.9	1.9
80°	207.1	78.9	15.1	6.6	4.6	2.6	1.3	1.3	2.6	2.6	2.6
82.5°	96.0	33.6	10.5	5.9	4.6	2.6	1.3	1.3	1.9	2.6	2.6
85°	55.2	15.8	8.6	6.6	4.6	2.6	1.3	1.3	1.9	2.6	2.6
87.5°	22.4	7.9	7.9	6.6	5.3	3.3	1.3	1.3	1.3	1.9	1.9
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)