

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: P458908

Luminaire Tested: **GLAN-SA4B-735-U-T2**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4B-735-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21089 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

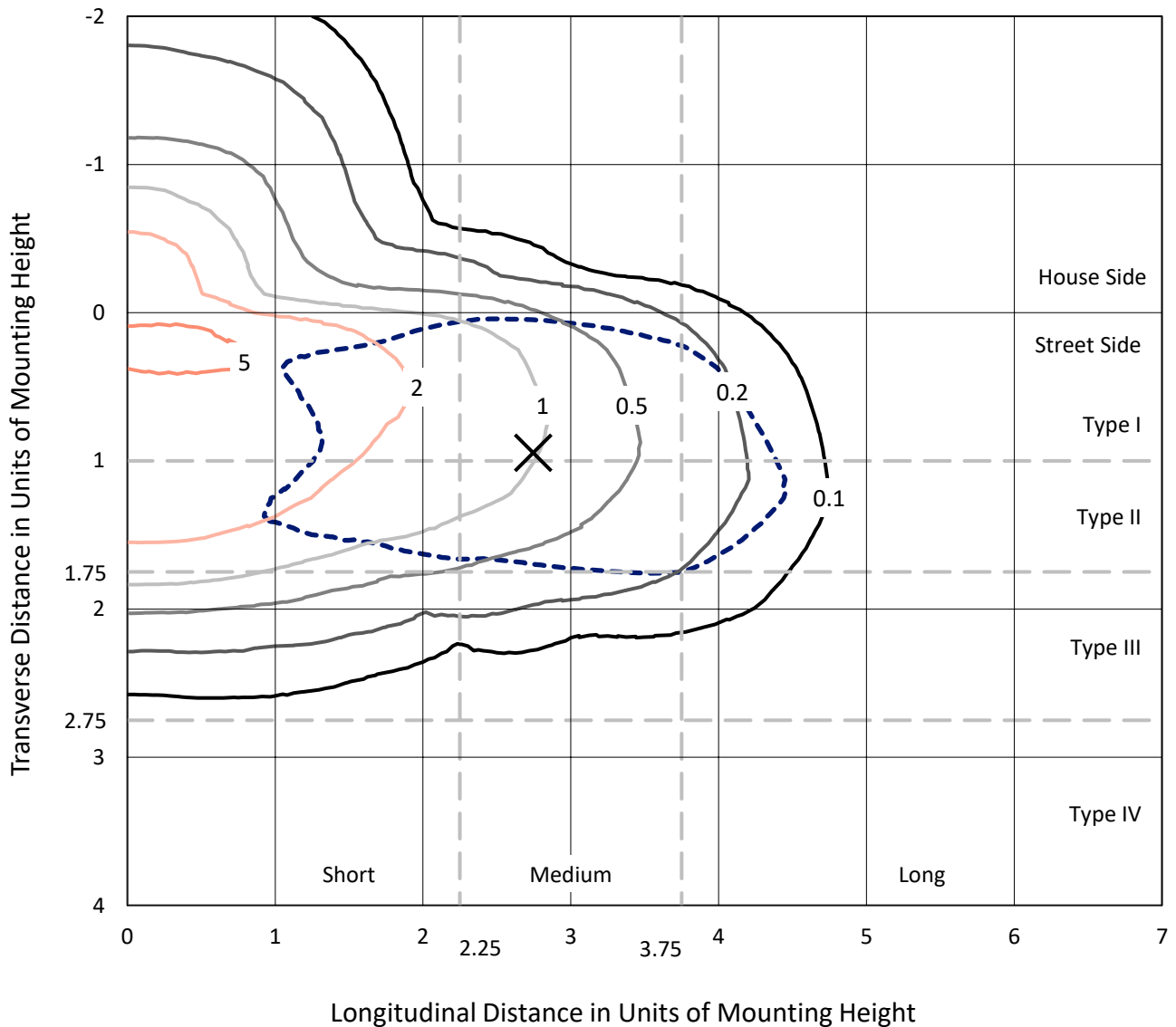
Input Watts (W): 164
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

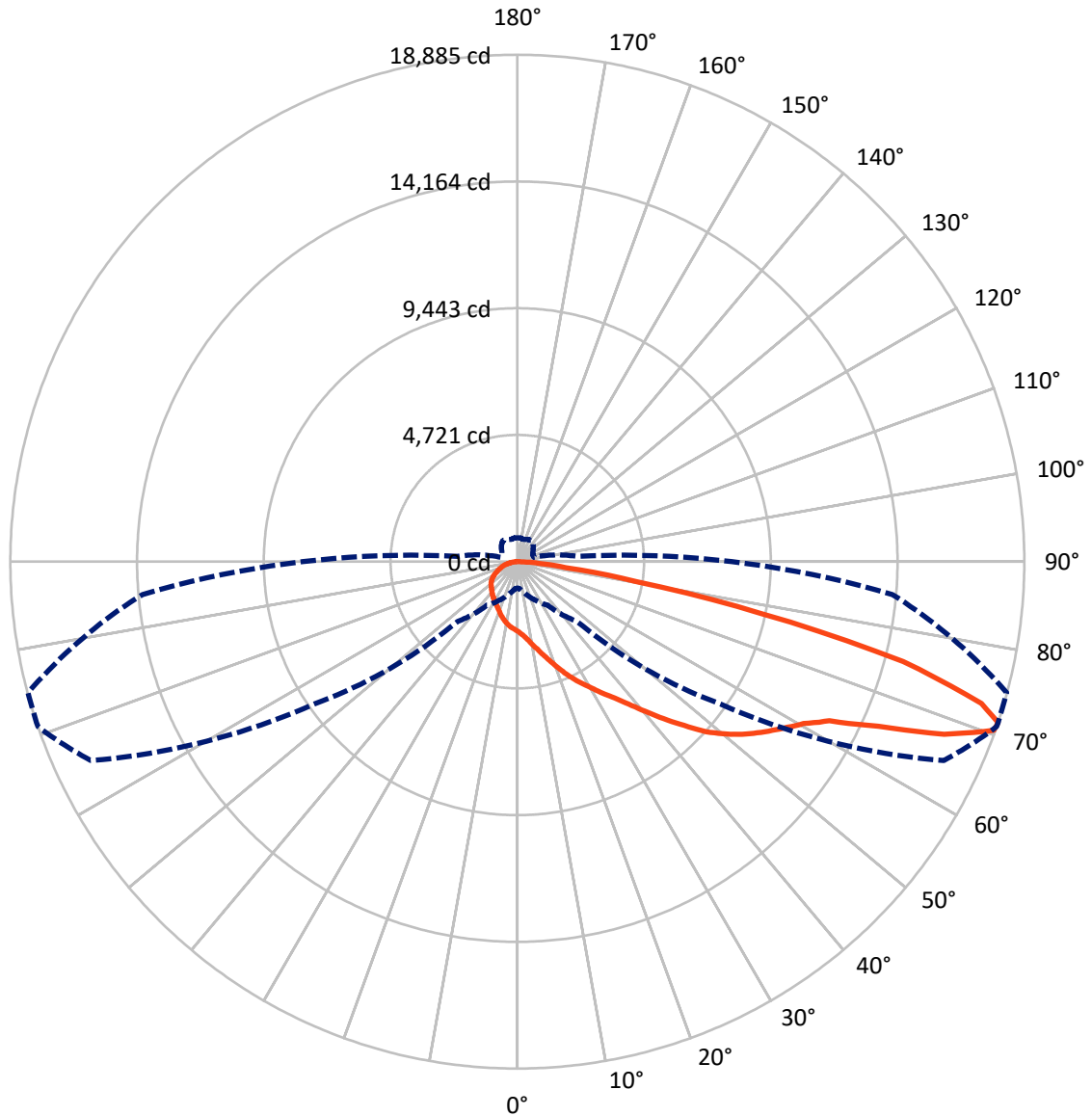
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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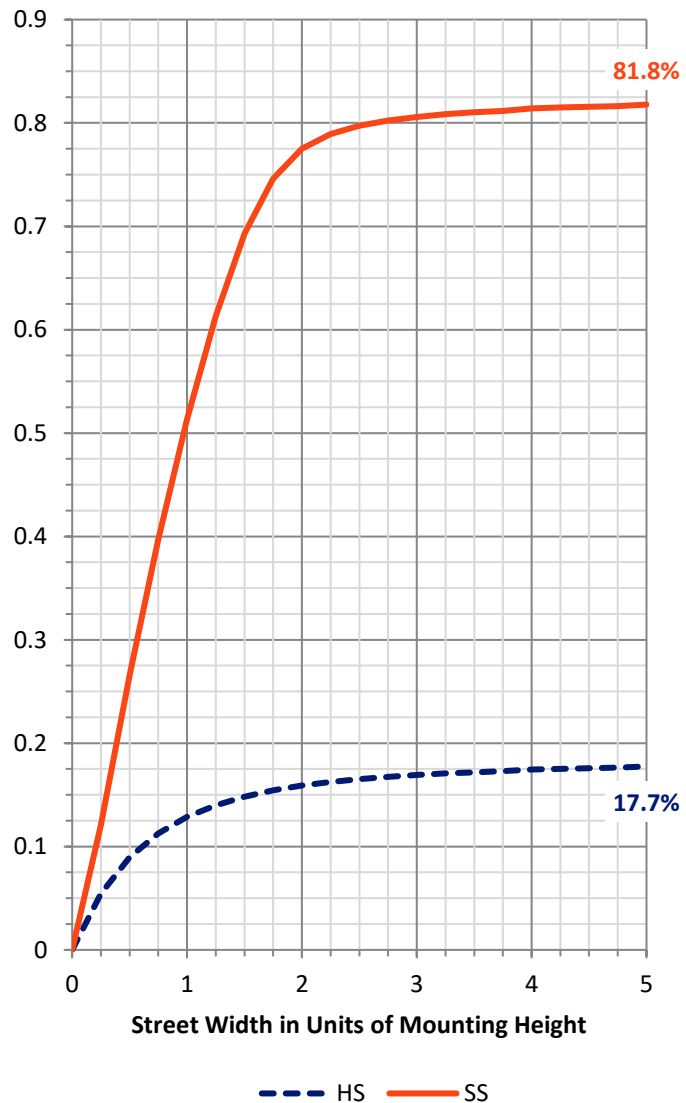
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3792.8	0.0	3792.8
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	17296.2	0.0	17296.2
	% Fixture	82.0	0.0	82.0
Total	Lumens	21089.0	0.0	21089.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.9	1.2
10°-20°	844.3	4.0
20°-30°	1475.5	7.0
30°-40°	2194.7	10.4
40°-50°	3233.5	15.3
50°-60°	4527.0	21.5
60°-70°	5063.3	24.0
70°-80°	3092.9	14.7
80°-90°	397.9	1.9
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°	21089.0	100.0
0°-180°	21089.0	100.0



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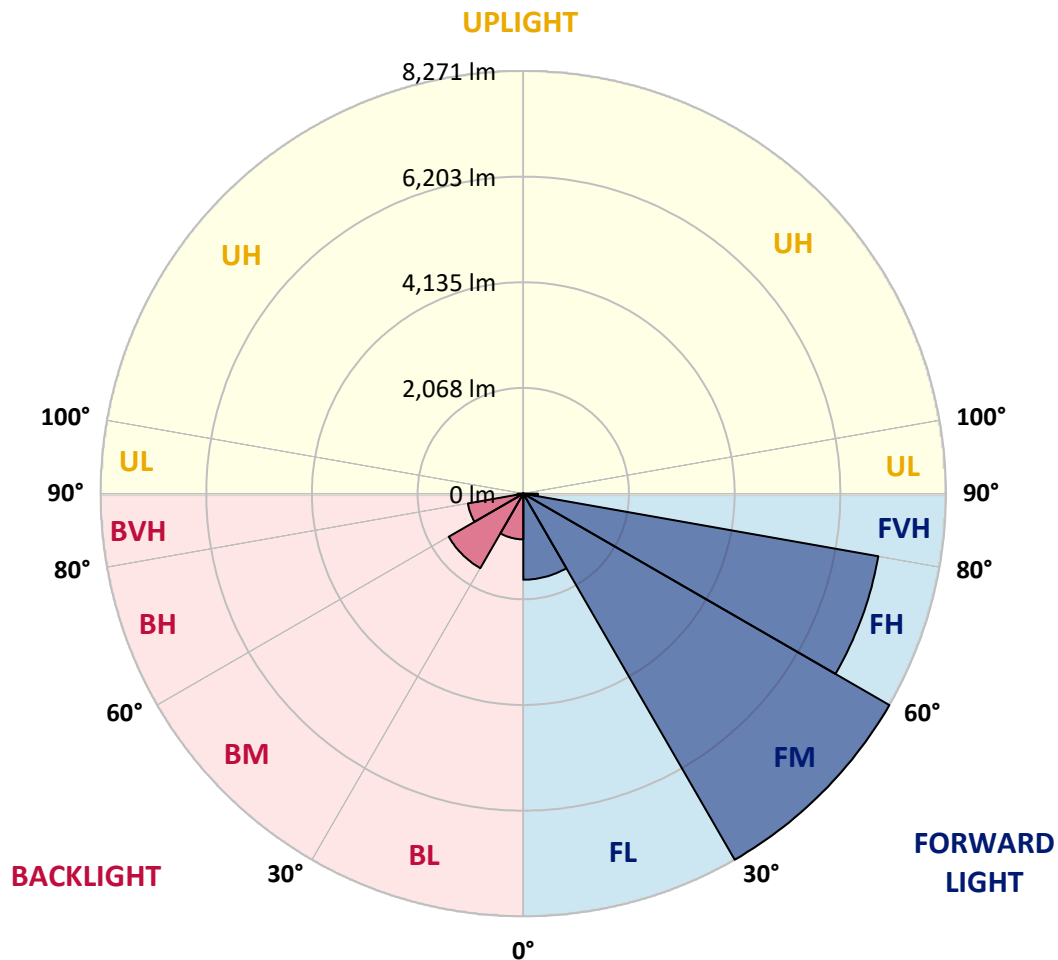
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1685.0	8.0			
FM	(30°-60°)	8270.7	39.2			
FH	(60°-80°)	7054.2	33.4			G3/7500
FVH	(80°-90°)	286.3	1.4			G3/500
BL	(0°-30°)	894.7	4.2	B2/1000		
BM	(30°-60°)	1684.5	8.0	B2/2500		
BH	(60°-80°)	1102.0	5.2	B3/2500		G3/2500
BVH	(80°-90°)	111.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3
2.5°	2873.4	2859.5	2860.6	2840.9	2815.4	2787.6	2748.2	2713.4	2685.6	2669.4	2621.9
5°	3184.0	3170.1	3152.7	3109.9	3091.3	3022.9	2936.0	2857.2	2796.9	2763.3	2668.2
7.5°	3435.6	3432.1	3427.4	3403.1	3355.6	3260.5	3186.4	3049.6	2960.3	2896.6	2734.3
10°	3590.9	3596.7	3600.1	3604.8	3585.1	3535.2	3433.2	3260.5	3146.9	3065.8	2820.1
12.5°	3669.7	3675.5	3695.2	3738.1	3764.7	3758.9	3675.5	3506.3	3349.8	3243.1	2911.6
15°	3718.4	3727.6	3762.4	3819.2	3908.5	3965.3	3924.7	3768.2	3596.7	3470.3	3020.6
17.5°	3771.7	3782.1	3820.4	3901.5	4018.6	4141.4	4185.5	4051.0	3864.4	3713.7	3142.3
20°	3801.8	3815.7	3870.2	3976.9	4113.6	4292.1	4438.2	4367.5	4163.5	3996.6	3282.6
22.5°	3850.5	3862.1	3908.5	4022.1	4185.5	4409.2	4690.9	4675.8	4496.1	4280.5	3436.7
25°	3982.6	4001.2	4024.4	4092.8	4250.4	4528.6	4900.7	5005.0	4818.4	4577.3	3578.1
27.5°	4231.9	4246.9	4245.8	4255.0	4344.3	4631.7	5082.6	5330.7	5138.3	4877.5	3714.9
30°	4515.8	4521.6	4526.3	4505.4	4525.1	4737.2	5249.5	5652.9	5460.5	5185.8	3834.3
32.5°	4861.2	4872.8	4833.4	4780.1	4763.9	4893.7	5387.5	5975.1	5841.8	5498.7	3952.5
35°	5269.2	5299.4	5219.4	5125.5	5059.4	5118.6	5572.9	6304.3	6232.5	5898.6	4109.0
37.5°	5735.2	5772.3	5698.1	5513.8	5419.9	5436.2	5815.2	6711.2	6726.2	6354.2	4342.0
40°	6116.5	6165.2	6167.5	5906.7	5764.2	5782.7	6122.3	7149.3	7322.0	6917.5	4616.7
42.5°	6368.1	6415.6	6465.4	6312.4	6162.9	6268.4	6480.5	7624.5	7992.0	7601.3	5000.3
45°	6643.9	6686.8	6714.6	6645.1	6561.6	6835.2	6912.8	8129.9	8706.0	8365.2	5419.9
47.5°	6963.8	7011.4	7038.0	6972.0	6940.7	7332.4	7378.8	8601.6	9468.6	9107.0	5883.6
50°	7390.4	7426.3	7412.4	7370.7	7363.7	7713.8	7826.2	9043.3	10098.0	9905.6	6364.6
52.5°	7921.3	7964.1	7979.2	7920.1	7893.4	7986.2	8186.7	9445.5	10670.6	10591.8	6878.1
55°	8242.3	8310.7	8540.2	8632.9	8696.7	8338.5	8575.0	9889.4	11184.1	11315.1	7429.8
57.5°	7830.8	7918.9	8432.4	8896.1	9495.3	9219.4	9125.6	10353.0	11697.6	12016.3	8090.5
60°	6827.1	6846.8	7508.6	8362.9	9568.3	10351.9	10274.2	11090.2	12254.0	12723.4	8961.0
62.5°	4736.1	4777.8	5560.2	6923.3	8666.6	10759.9	12228.5	12362.9	13051.4	13781.6	10237.1
65°	2442.2	2387.7	3100.6	4351.2	6533.8	9790.9	13811.8	14703.1	14780.8	15436.8	12033.7
67.5°	1503.3	1527.7	1861.5	2540.7	3863.3	7115.7	13646.0	17562.6	17153.4	17468.7	13701.7
70°	1129.0	1159.1	1388.6	1738.6	2355.3	4068.4	10974.3	18255.7	18827.2	18746.0	14209.3
71°	981.8	1013.0	1251.8	1582.2	1978.6	3140.0	9246.1	17530.2	18885.1	18871.2	14018.1
72.5°	836.9	856.6	1043.2	1339.9	1667.9	2201.1	6946.5	15722.0	18079.6	18542.0	13335.4
75°	657.2	672.3	755.7	1022.3	1313.3	1351.5	3727.6	11786.8	14849.2	15730.1	11101.8
77.5°	535.5	545.9	588.8	759.2	1013.0	957.4	1955.4	7672.0	9302.9	10189.6	6539.6
80°	425.4	437.0	462.5	514.6	759.2	682.7	933.1	3887.6	4493.8	4484.5	2610.3
82.5°	330.3	333.8	364.0	377.9	519.3	484.5	505.4	1645.9	1823.3	1883.5	942.3
85°	208.6	219.1	322.2	289.8	310.6	284.0	249.2	653.7	805.6	794.0	376.7
87.5°	63.8	67.2	109.0	122.9	137.9	124.0	91.6	192.4	235.3	255.0	93.9
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°	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3	2588.3
2.5°	2603.3	2590.6	2545.4	2508.3	2473.5	2435.3	2402.8	2393.5	2385.4	2381.9	2380.8
5°	2627.7	2589.4	2500.2	2427.1	2369.2	2315.9	2282.3	2267.2	2252.1	2252.1	2256.8
7.5°	2662.4	2592.9	2455.0	2346.0	2273.0	2223.1	2198.8	2196.5	2200.0	2203.4	2204.6
10°	2700.7	2590.6	2388.9	2253.3	2188.4	2165.2	2166.3	2186.1	2204.6	2218.5	2220.8
12.5°	2737.8	2576.7	2311.2	2166.3	2124.6	2129.3	2161.7	2205.8	2241.7	2261.4	2262.6
15°	2779.5	2554.6	2217.3	2084.1	2070.1	2106.1	2166.3	2233.6	2288.1	2320.5	2324.0
17.5°	2814.3	2517.6	2118.8	2004.1	2021.5	2087.5	2171.0	2257.9	2324.0	2364.6	2371.5
20°	2853.7	2470.0	2016.8	1927.6	1977.4	2066.7	2161.7	2255.6	2324.0	2363.4	2372.7
22.5°	2885.0	2402.8	1919.5	1865.0	1938.0	2041.2	2130.4	2205.8	2261.4	2282.3	2296.2
25°	2897.7	2318.2	1827.9	1814.0	1906.7	1999.4	2059.7	2102.6	2120.0	2117.7	2123.5
27.5°	2890.8	2220.8	1749.1	1773.4	1867.3	1934.5	1964.7	1961.2	1929.9	1900.9	1914.8
30°	2861.8	2104.9	1683.0	1731.7	1816.3	1853.4	1848.8	1803.6	1744.4	1690.0	1693.4
32.5°	2809.6	1979.7	1621.6	1684.2	1744.4	1760.7	1729.4	1670.3	1585.6	1514.9	1504.5
35°	2765.6	1860.3	1567.1	1629.7	1672.6	1664.5	1634.3	1557.8	1481.3	1418.7	1408.3
37.5°	2758.6	1758.3	1514.9	1568.3	1592.6	1581.0	1543.9	1479.0	1451.2	1403.7	1397.9
40°	2795.7	1686.5	1461.6	1503.3	1514.9	1505.7	1465.1	1428.0	1453.5	1441.9	1441.9
42.5°	2896.6	1648.2	1414.1	1438.4	1447.7	1454.7	1425.7	1394.4	1425.7	1372.4	1355.0
45°	3056.5	1649.4	1371.2	1374.7	1402.5	1426.8	1407.1	1360.8	1344.6	1237.9	1217.0
47.5°	3291.8	1688.8	1336.4	1314.4	1364.3	1404.8	1377.0	1309.8	1237.9	1167.2	1154.5
50°	3566.5	1759.5	1305.1	1251.8	1313.3	1377.0	1356.1	1277.3	1203.1	1160.3	1152.1
52.5°	3871.4	1848.8	1266.9	1182.3	1250.7	1364.3	1360.8	1272.7	1170.7	1141.7	1134.8
55°	4248.1	1936.8	1219.4	1101.1	1195.0	1353.8	1348.0	1234.4	1163.7	1142.9	1140.5
57.5°	4686.2	2064.3	1151.0	1018.8	1131.3	1310.9	1298.2	1211.3	1140.5	1125.5	1124.3
60°	5392.1	2262.6	1053.6	943.5	1066.4	1235.6	1251.8	1171.8	1103.5	1100.0	1098.8
62.5°	6320.5	2540.7	952.8	865.8	991.0	1138.2	1184.6	1118.5	1064.0	1081.4	1083.8
65°	7602.5	2774.9	848.5	799.8	907.6	1044.3	1120.8	1068.7	1020.0	1053.6	1053.6
67.5°	8438.2	2779.5	753.4	731.4	823.0	965.5	1053.6	1009.6	963.2	1020.0	1022.3
70°	8264.3	2435.3	674.6	659.5	740.7	880.9	979.4	944.7	891.3	942.3	923.8
71°	7983.8	2244.0	643.3	631.7	708.2	840.3	944.7	915.7	862.4	896.0	885.5
72.5°	7536.4	1948.4	592.3	594.6	659.5	789.3	896.0	865.8	812.5	831.1	827.6
75°	6370.4	1701.6	506.5	517.0	566.8	702.4	798.6	775.4	721.0	721.0	717.5
77.5°	3982.6	1189.2	420.8	426.5	481.0	601.6	686.2	666.5	614.3	596.9	592.3
80°	1486.0	614.3	329.2	336.1	369.8	474.1	568.0	549.4	496.1	476.4	457.8
82.5°	562.2	308.3	242.3	236.5	272.4	361.6	445.1	423.1	381.3	333.8	319.9
85°	212.1	153.0	148.4	143.7	160.0	214.4	275.9	271.2	227.2	193.6	190.1
87.5°	55.6	49.8	58.0	42.9	45.2	40.6	41.7	17.4	8.1	3.5	2.3
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)