

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: P317490

Luminaire Tested: **GAN-SA6C-750-U-T2R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-750-U-T2R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44072 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

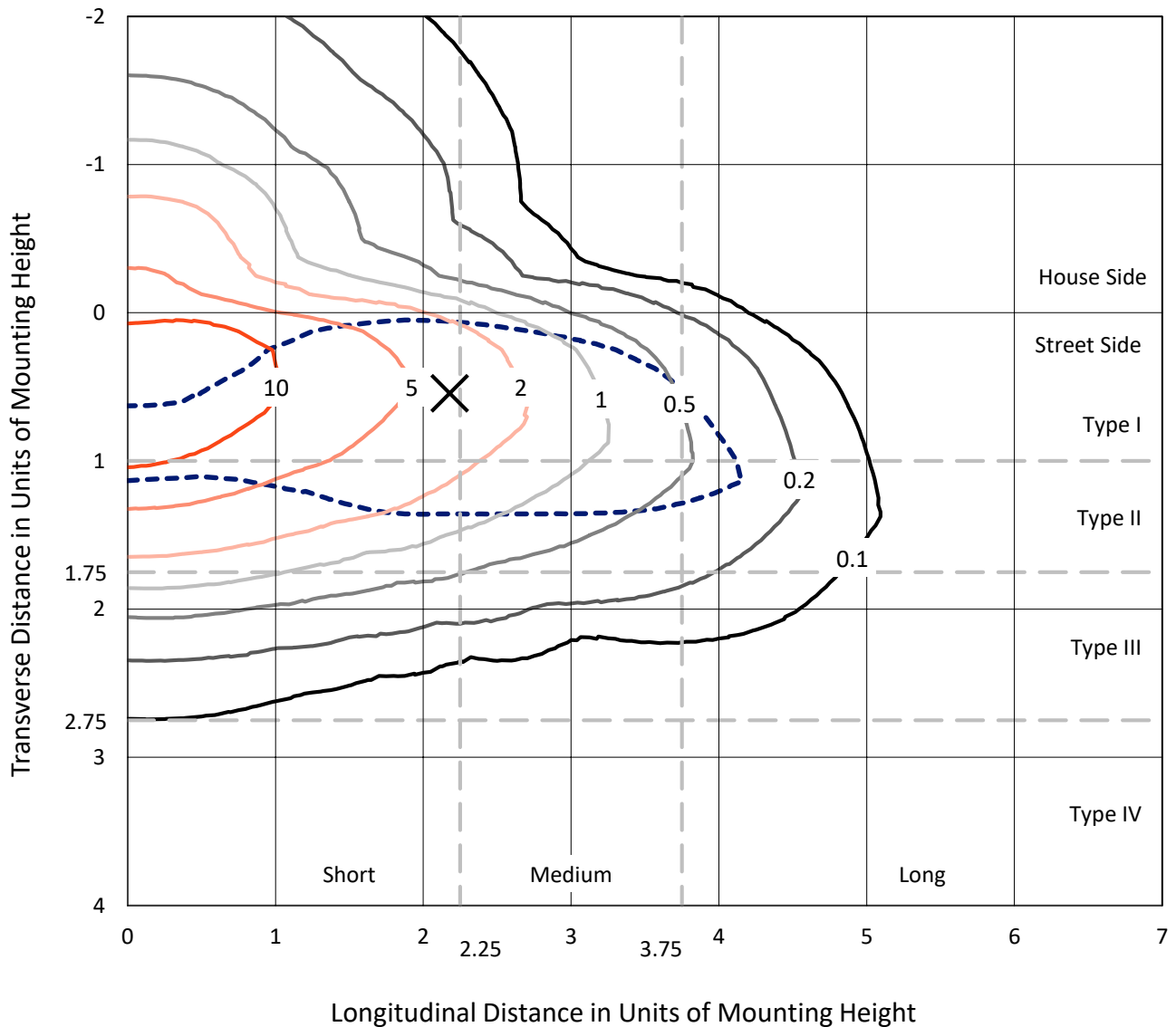
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

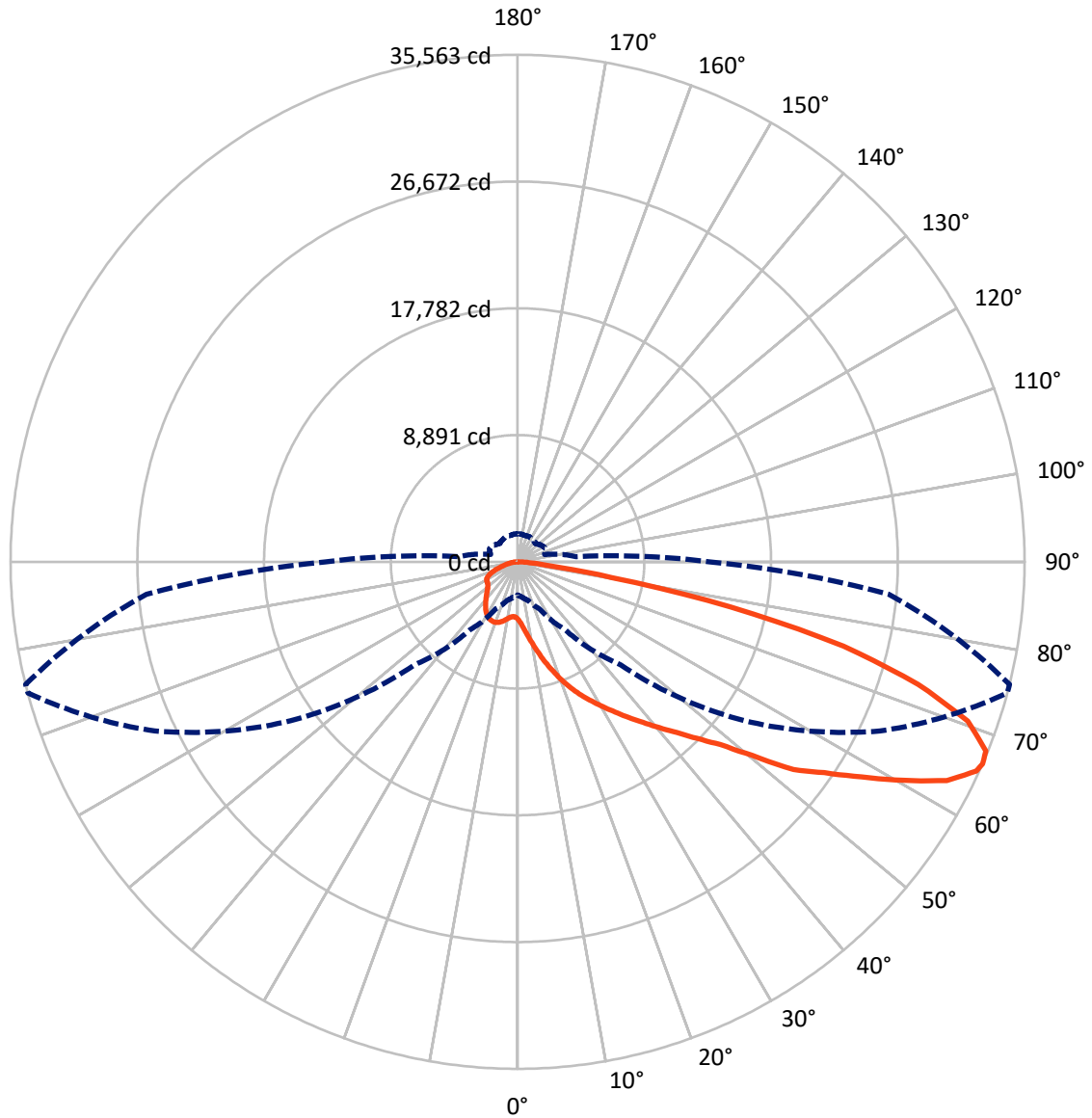
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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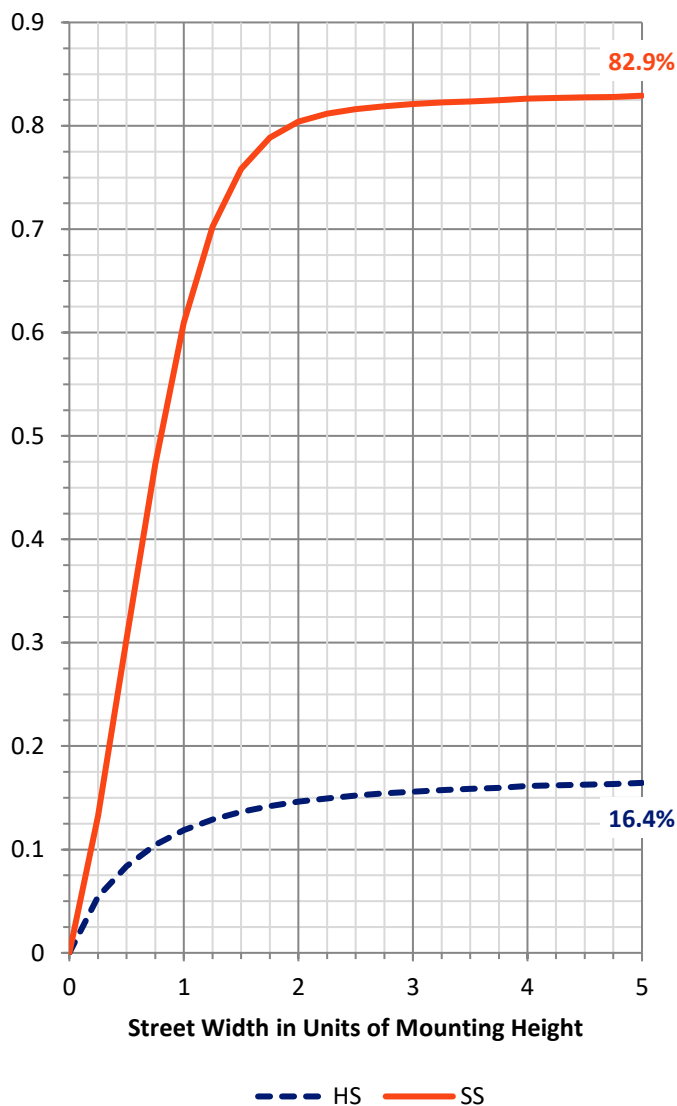
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7415.8	0.0	7415.8
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	36656.2	0.0	36656.2
	% Fixture	83.2	0.0	83.2
Total	Lumens	44072.0	0.0	44072.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.7	1.1
10°-20°	1922.0	4.4
20°-30°	3734.8	8.5
30°-40°	6096.1	13.8
40°-50°	8328.7	18.9
50°-60°	9701.3	22.0
60°-70°	8697.4	19.7
70°-80°	4395.3	10.0
80°-90°	709.8	1.6
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°	44072.0	100.0
0°-180°	44072.0	100.0

Coefficient of Utilization

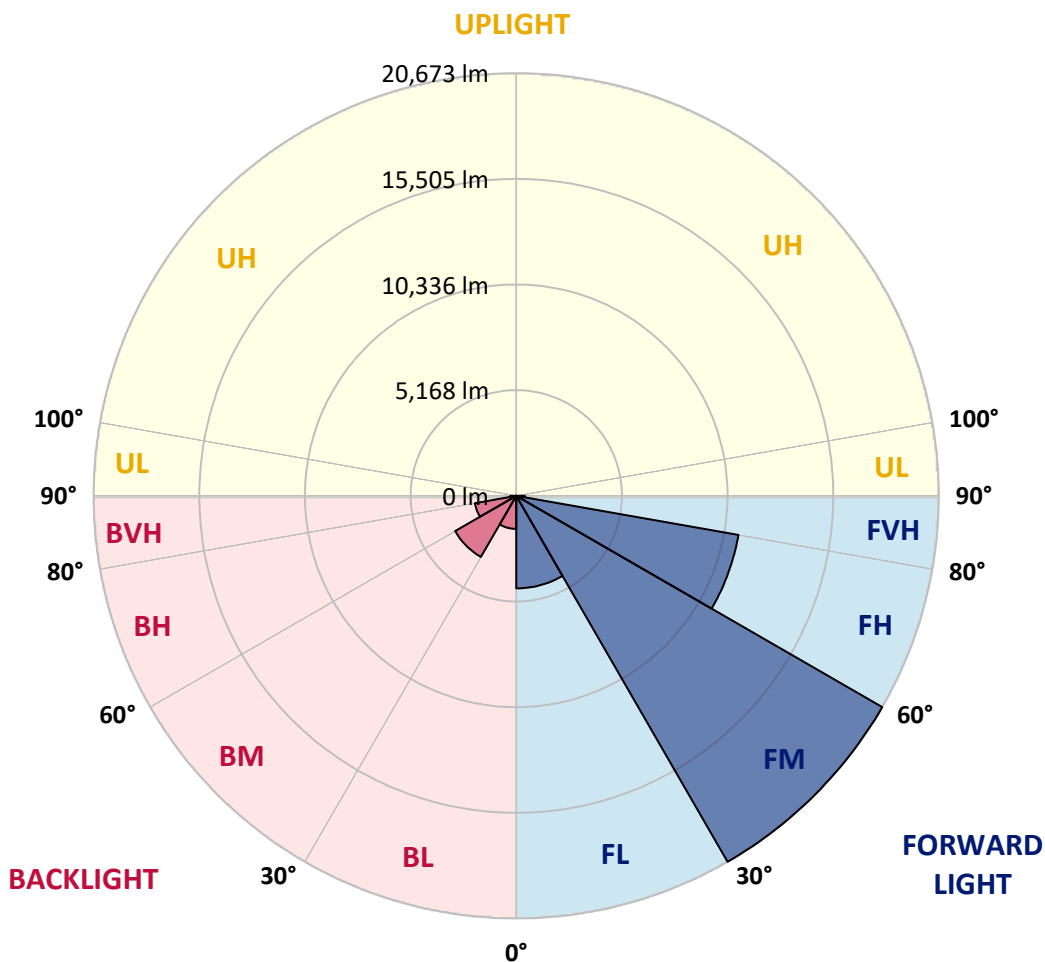


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4526.1	10.3			
FM (30°-60°)	20672.8	46.9			
FH (60°-80°)	11038.1	25.0			G4/12000
FVH (80°-90°)	419.2	1.0			G3/500
BL (0°-30°)	1617.4	3.7	B3/2500		
BM (30°-60°)	3453.3	7.8	B3/5000		
BH (60°-80°)	2054.5	4.7	B3/2500		G3/2500
BVH (80°-90°)	290.6	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	4024.8	4024.8	4024.8	4024.8	4024.8	4024.8	4024.8	4024.8	4024.8	4024.8	4024.8
2.5°	5342.9	5262.1	5254.6	5136.4	5109.5	4883.6	4717.5	4543.9	4346.4	4307.5	4151.9
5°	6863.1	6855.6	6752.3	6559.3	6408.2	6022.2	5640.7	5236.7	4793.8	4722.0	4371.9
7.5°	8230.6	8218.6	8139.3	7931.3	7712.9	7238.6	6694.0	6074.6	5356.4	5250.2	4669.6
10°	9268.9	9264.4	9237.5	9084.9	8899.4	8444.5	7843.1	6997.7	6010.2	5865.1	5042.2
12.5°	10070.9	10079.9	10097.8	10044.0	9955.7	9568.2	8951.7	7976.2	6707.4	6563.8	5456.6
15°	10614.0	10640.9	10733.7	10810.0	10856.4	10618.5	10021.5	8977.2	7488.5	7316.4	5916.0
17.5°	10887.8	10917.7	11077.8	11308.3	11520.7	11496.8	11022.5	9931.7	8238.1	8072.0	6409.7
20°	11124.2	11146.7	11326.2	11603.0	11978.5	12144.6	11878.3	10850.4	9059.5	8862.0	6933.4
22.5°	11809.5	11837.9	11891.8	12048.9	12381.0	12686.2	12557.6	11719.7	9812.1	9628.0	7430.1
25°	13132.1	13166.5	13049.8	12916.7	12979.5	13192.0	13215.9	12512.7	10575.1	10367.1	7964.3
27.5°	14725.6	14774.9	14575.9	14233.3	13934.1	13851.8	13823.4	13162.0	11303.8	11062.9	8492.4
30°	16286.1	16371.4	16112.5	15668.2	15119.1	14733.0	14447.3	13797.9	12021.9	11791.5	8990.6
32.5°	17810.7	17776.3	17400.8	16966.9	16323.5	15840.2	15149.0	14480.2	12829.9	12565.1	9485.9
35°	18855.1	18867.0	18518.4	18003.7	17390.3	17019.2	16088.6	15216.3	13654.3	13410.4	10048.5
37.5°	19743.8	19688.4	19293.4	18813.2	18285.0	18126.4	17188.3	16027.3	14547.5	14281.2	10646.9
40°	20040.1	19975.7	19716.9	19371.3	18947.8	18934.4	18401.7	16945.9	15557.4	15294.1	11321.7
42.5°	19860.5	19778.2	19672.0	19577.7	19447.6	19507.4	19541.8	18023.2	16667.6	16372.9	12102.7
45°	19197.7	19073.5	19148.3	19353.3	19636.1	19974.2	20571.2	19215.6	17911.0	17664.1	13019.9
47.5°	18178.8	18066.6	18300.0	18738.4	19507.4	20363.2	21545.2	20532.3	19395.2	19149.8	14326.1
50°	16745.4	16778.3	17112.0	17909.5	19072.0	20542.8	22745.2	22275.4	21552.7	21323.8	16108.0
52.5°	14393.4	14399.4	15339.0	16648.2	18300.0	20450.0	23411.0	24503.2	24498.7	24221.9	17804.7
55°	12209.0	12342.1	13085.7	14825.8	17049.2	20079.0	23876.3	25586.5	26433.3	26108.6	19386.2
57.5°	10075.4	10153.2	10857.9	12605.5	15264.2	19090.0	24353.6	26886.6	28662.6	28457.7	21352.2
60°	7648.6	7768.3	8496.9	10111.3	12981.0	17334.9	24398.5	28243.7	31327.4	31120.9	23547.1
62.5°	4964.4	5170.9	5853.1	7365.8	10219.0	14810.8	23357.1	29130.9	33852.9	33779.6	25495.2
65°	2853.2	3008.9	3483.1	4650.2	7050.1	11641.9	20880.9	28789.8	35407.5	35365.6	26223.8
66°	2331.1	2428.3	2791.9	3634.3	5817.2	10223.5	19441.6	28070.1	35561.6	35563.1	26140.0
67.5°	1864.3	1907.7	2070.7	2601.9	4292.6	8103.4	16869.6	26482.7	35370.1	35422.4	25599.9
70°	1542.6	1565.0	1615.9	1744.6	2343.0	4886.6	11974.1	22357.7	33447.5	33487.9	23491.8
72.5°	1384.0	1397.4	1416.9	1434.9	1653.3	2730.6	7313.4	17885.5	29325.4	29377.8	20279.4
75°	1253.8	1261.3	1258.3	1259.8	1387.0	1740.1	3779.4	13353.6	23711.7	23607.0	15535.0
77.5°	1101.2	1108.7	1093.7	1096.7	1226.9	1337.6	1880.7	9348.2	16001.8	15262.7	8752.7
80°	930.6	936.6	930.6	941.1	1068.3	1009.9	1093.7	5259.1	7075.5	6692.5	3112.1
82.5°	703.2	728.6	746.6	788.5	879.8	718.2	731.6	2048.3	2154.5	2051.3	954.6
85°	308.2	375.5	562.6	603.0	661.3	430.9	480.3	834.9	876.8	849.8	347.1
87.5°	80.8	88.3	278.3	350.1	366.6	194.5	249.9	380.0	401.0	380.0	115.2
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°	4024.8	4024.8	4024.8	4024.8	4024.8	4024.8	4024.8	4024.8	4024.8	4024.8	4024.8
2.5°	4069.7	3996.3	3864.7	3748.0	3659.7	3599.8	3540.0	3510.1	3492.1	3474.2	3477.2
5°	4199.8	4051.7	3825.8	3665.7	3575.9	3519.1	3489.1	3477.2	3469.7	3451.7	3451.7
7.5°	4395.8	4186.4	3875.1	3710.6	3640.2	3596.9	3578.9	3572.9	3563.9	3543.0	3546.0
10°	4642.7	4349.4	3978.4	3818.3	3754.0	3706.1	3680.6	3671.7	3655.2	3631.3	3634.3
12.5°	4933.0	4551.4	4114.5	3947.0	3869.2	3804.8	3762.9	3737.5	3709.1	3677.7	3679.1
15°	5250.2	4771.4	4261.2	4062.2	3955.9	3866.2	3798.8	3755.5	3710.6	3671.7	3670.2
17.5°	5571.8	4983.8	4373.4	4125.0	3981.4	3863.2	3771.9	3704.6	3649.2	3601.3	3596.9
20°	5919.0	5175.3	4436.2	4119.0	3933.5	3792.9	3671.7	3587.9	3526.5	3478.7	3471.2
22.5°	6272.1	5354.9	4446.7	4057.7	3827.3	3655.2	3528.0	3435.3	3372.4	3323.1	3305.1
25°	6595.2	5494.0	4403.3	3939.5	3679.1	3493.6	3369.4	3275.2	3224.3	3166.0	3148.0
27.5°	6890.0	5591.3	4316.5	3788.4	3513.1	3330.5	3213.8	3133.0	3077.7	3032.8	3017.8
30°	7154.8	5643.7	4174.4	3608.8	3342.5	3176.4	3077.7	3022.3	2974.4	2917.6	2907.1
32.5°	7406.2	5643.7	3991.9	3412.8	3173.4	3040.3	2981.9	2947.5	2893.6	2838.3	2823.3
35°	7657.5	5609.2	3776.4	3207.8	3017.8	2943.0	2940.0	2899.6	2817.3	2742.5	2723.1
37.5°	7922.4	5538.9	3534.0	3016.3	2890.7	2899.6	2925.1	2835.3	2718.6	2612.4	2583.9
40°	8221.6	5441.7	3282.7	2850.3	2784.4	2880.2	2884.7	2742.5	2515.1	2417.9	2392.4
42.5°	8573.2	5344.4	3049.2	2703.6	2700.6	2821.8	2808.4	2542.0	2405.9	2356.5	2343.0
45°	9035.5	5289.1	2827.8	2564.5	2634.8	2727.6	2678.2	2431.3	2374.5	2346.0	2334.1
47.5°	9764.2	5317.5	2624.3	2453.8	2569.0	2633.3	2435.8	2386.4	2346.0	2311.6	2299.7
50°	10676.9	5301.0	2459.7	2377.5	2494.2	2534.6	2326.6	2328.1	2307.1	2268.2	2250.3
52.5°	11363.6	5172.4	2353.5	2334.1	2428.3	2359.5	2257.8	2271.2	2260.8	2203.9	2184.4
55°	12026.4	5061.6	2299.7	2317.6	2380.4	2141.1	2177.0	2209.9	2199.4	2144.0	2135.1
57.5°	12850.8	5040.7	2266.7	2322.1	2340.1	2031.8	2099.2	2142.6	2135.1	2111.1	2106.6
60°	13860.8	5046.7	2236.8	2329.6	2295.2	1951.0	2025.8	2081.2	2085.7	2081.2	2078.2
62.5°	14415.8	4883.6	2162.0	2308.6	2215.9	1880.7	1949.5	2030.3	2031.8	2040.8	2039.3
65°	13944.5	4395.8	2022.9	2235.3	2082.7	1822.4	1883.7	1972.0	1949.5	1989.9	1989.9
66°	13486.7	4114.5	1954.0	2187.4	2025.8	1799.9	1862.8	1942.1	1913.6	1969.0	1969.0
67.5°	12551.6	3640.2	1829.8	2085.7	1945.1	1768.5	1838.8	1892.7	1853.8	1936.1	1930.1
70°	10842.9	2815.8	1580.0	1855.3	1811.9	1722.1	1805.9	1793.9	1737.1	1862.8	1838.8
72.5°	9141.8	2139.6	1268.8	1553.1	1609.9	1663.8	1759.5	1668.3	1596.4	1684.7	1632.3
75°	7093.5	1608.4	1002.5	1207.4	1360.0	1572.5	1704.2	1523.1	1419.9	1410.9	1382.5
77.5°	3834.8	1104.2	794.5	921.7	1080.3	1458.8	1666.8	1367.5	1211.9	1176.0	1153.6
80°	1518.6	718.2	577.5	698.7	755.6	1294.2	1577.0	1186.5	999.5	963.6	929.1
82.5°	626.9	424.9	372.6	468.3	492.2	1107.2	1415.4	972.5	772.0	1068.3	1134.1
85°	269.3	233.4	221.4	242.4	278.3	776.5	1126.6	742.1	833.4	743.6	591.0
87.5°	80.8	98.7	94.3	92.8	101.7	185.5	600.0	413.0	611.9	231.9	173.6
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)