

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: P455084

Luminaire Tested: **GLAN-SA6B-727-U-T3**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455084  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-727-U-T3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27984 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

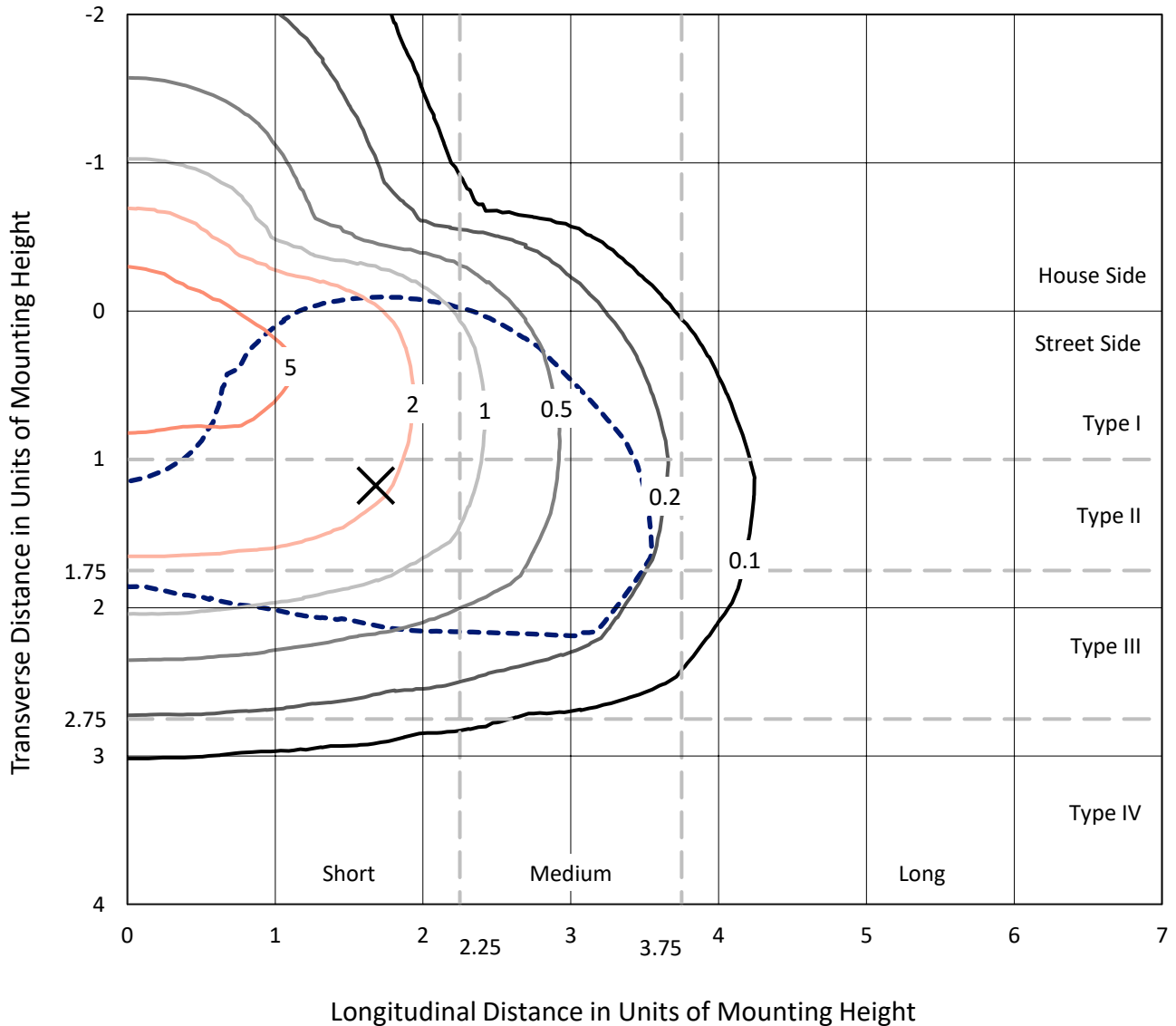
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

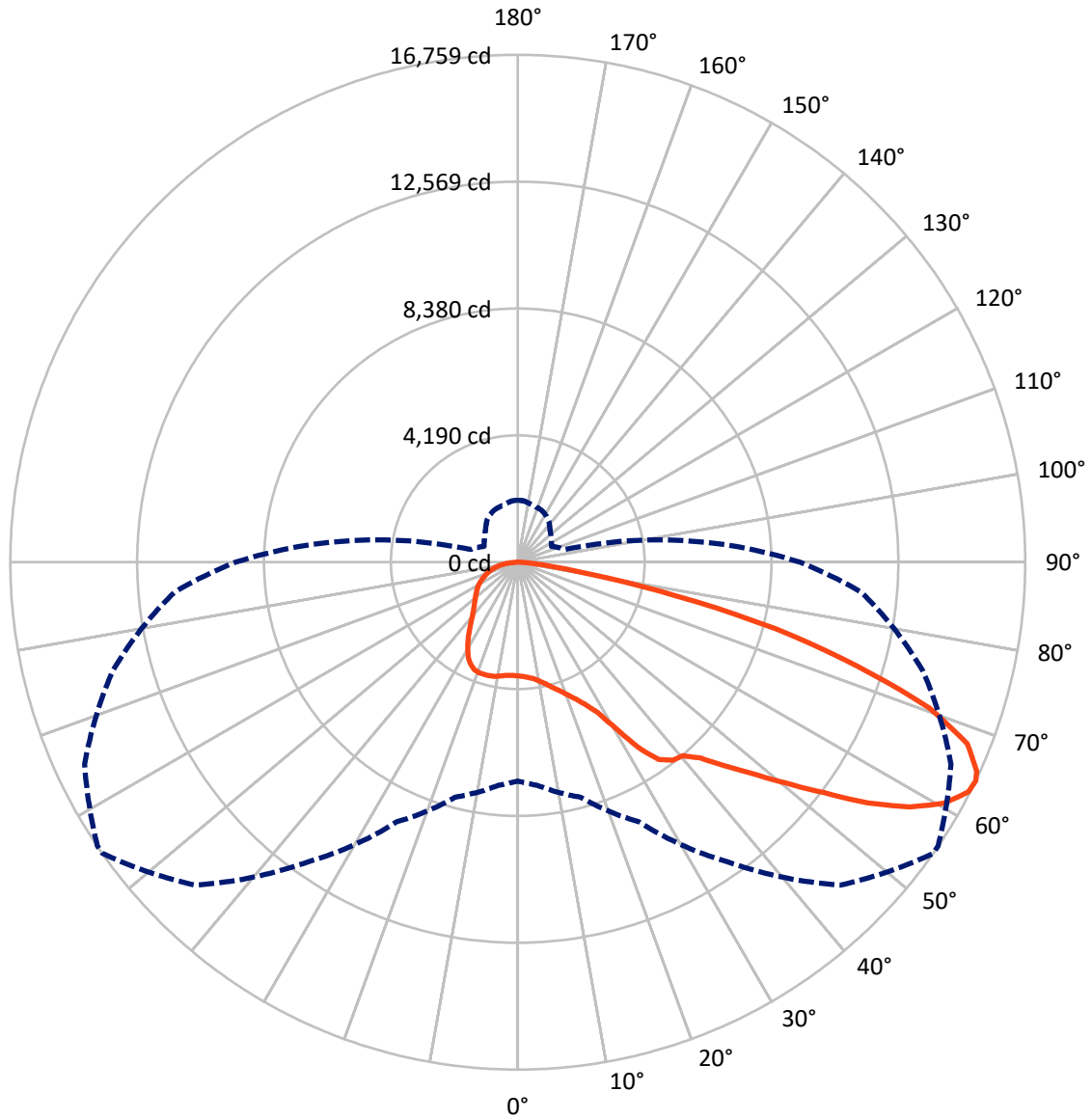
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6797.9	0.0	6797.9
	% Fixture	24.3	0.0	24.3
<b>Street Side</b>	Lumens	21186.1	0.0	21186.1
	% Fixture	75.7	0.0	75.7
<b>Total</b>	Lumens	27984.0	0.0	27984.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	365.2	1.3
10°-20°	1152.4	4.1
20°-30°	2051.6	7.3
30°-40°	3156.5	11.3
40°-50°	4474.6	16.0
50°-60°	6477.0	23.1
60°-70°	6703.0	24.0
70°-80°	3139.0	11.2
80°-90°	464.7	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°	27984.0	100.0
0°-180°	27984.0	100.0

**Coefficient of Utilization**



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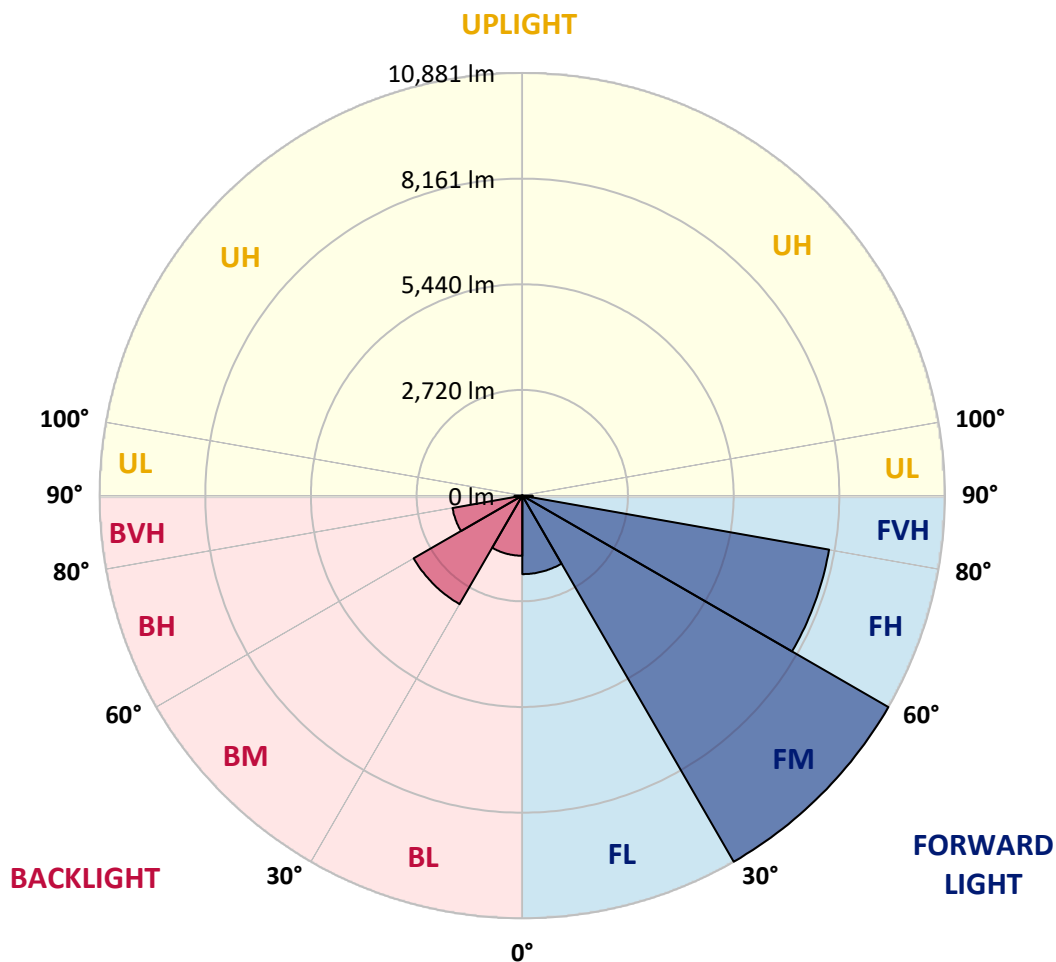
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2020.9	7.2			
FM	(30°-60°)	10880.9	38.9			
FH	(60°-80°)	8018.2	28.7			G4/12000
FVH	(80°-90°)	266.1	1.0			G3/500
BL	(0°-30°)	1548.3	5.5	B3/2500		
BM	(30°-60°)	3227.2	11.5	B3/5000		
BH	(60°-80°)	1823.7	6.5	B3/2500		G3/2500
BVH	(80°-90°)	198.6	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6
2.5°	3796.7	3795.2	3799.8	3795.2	3798.3	3787.4	3782.7	3785.8	3781.1	3773.3	3759.3
5°	3843.5	3842.0	3843.5	3837.3	3840.4	3834.2	3823.2	3826.4	3818.6	3801.4	3781.1
7.5°	3923.1	3916.8	3916.8	3915.3	3909.0	3899.7	3891.9	3888.8	3881.0	3859.1	3827.9
10°	4026.0	4026.0	4027.6	4015.1	4022.9	4005.7	3997.9	3996.4	3969.9	3941.8	3898.1
12.5°	4161.7	4169.5	4164.9	4158.6	4155.5	4149.3	4122.7	4129.0	4099.3	4051.0	3997.9
15°	4330.2	4342.7	4334.9	4331.8	4324.0	4300.6	4289.6	4285.0	4246.0	4175.8	4105.6
17.5°	4553.3	4537.7	4531.4	4523.6	4490.9	4473.7	4455.0	4451.9	4417.6	4334.9	4225.7
20°	4748.2	4770.1	4757.6	4749.8	4717.0	4684.3	4670.3	4665.6	4635.9	4545.5	4370.8
22.5°	4980.7	4985.3	4990.0	4971.3	4955.7	4930.8	4905.8	4898.0	4887.1	4793.5	4579.8
25°	5228.7	5247.4	5231.8	5213.1	5194.4	5192.8	5216.2	5213.1	5208.4	5117.9	4857.4
27.5°	5632.7	5649.9	5654.5	5634.3	5562.5	5568.7	5621.8	5638.9	5710.7	5560.9	5214.6
30°	5860.4	5877.6	5916.6	5993.0	6106.9	6206.7	6334.6	6373.6	6442.3	6159.9	5638.9
32.5°	6000.8	6007.1	6077.3	6219.2	6560.8	6933.6	7281.5	7295.5	7339.2	6943.0	6027.3
35°	6222.3	6227.0	6283.2	6439.1	6840.0	7460.9	7999.0	8016.2	7980.3	7186.3	6208.3
37.5°	6495.3	6507.8	6543.7	6673.1	7152.0	7902.3	8297.0	8284.5	7966.3	7379.7	6528.1
40°	6893.1	6893.1	6851.0	7025.7	7481.1	8155.0	8401.5	8379.6	8295.4	7939.7	7014.7
42.5°	7244.0	7237.8	7337.6	7456.2	7892.9	8545.0	8839.8	8875.7	9014.5	8643.2	7568.5
45°	7701.1	7729.2	7785.3	8000.6	8593.3	9211.0	9591.6	9626.0	9822.5	9471.5	8215.8
47.5°	8162.8	8172.2	8348.4	8635.4	9460.6	10114.2	10426.2	10482.3	10661.7	10440.2	8913.1
50°	8490.4	8579.3	8861.6	9314.0	10354.4	11215.5	11458.8	11525.9	11842.5	11494.7	9725.8
52.5°	8836.7	8924.0	9268.8	9958.2	11380.8	12341.7	12641.2	12686.4	13015.6	12561.6	10557.2
55°	9133.0	9214.2	9605.7	10529.1	12198.2	13491.3	14034.2	13981.1	14138.7	13383.7	11198.3
57.5°	9181.4	9246.9	9739.8	10894.1	12812.8	14477.2	15255.5	15286.7	15104.2	13998.3	11727.1
60°	8807.0	8941.2	9507.4	10855.1	13088.9	15163.5	16166.5	16188.3	15670.5	14313.4	11937.7
62.5°	8144.1	8130.0	8814.8	10228.1	12702.0	15319.5	16703.1	16679.7	15892.0	14162.1	11733.3
64°	7228.4	7396.9	8036.5	9457.5	12078.1	15079.3	16759.2	16746.8	15785.9	13847.0	11385.5
65°	6670.0	6660.6	7292.4	8827.3	11457.2	14717.4	16659.4	16642.3	15564.4	13564.6	11115.6
67.5°	4815.3	4837.2	5461.1	6812.0	9314.0	13302.6	16009.0	15945.0	14690.9	12628.7	10089.2
70°	2917.0	2929.4	3419.2	4518.9	6685.6	10753.7	14430.4	14433.5	13354.1	11231.1	8587.1
72.5°	1536.5	1569.2	1765.8	2566.0	4060.3	7545.1	11706.8	11984.5	11465.0	9585.4	6783.9
75°	854.8	859.5	998.3	1265.1	2071.5	4222.6	8799.2	8878.8	9076.9	7715.1	5016.5
77.5°	652.0	661.4	705.1	817.4	1127.8	1957.6	5325.4	5724.7	6397.0	5439.3	2862.4
80°	528.8	538.2	575.6	642.7	750.3	928.1	2474.0	2689.2	3423.9	2414.7	1116.9
82.5°	411.8	405.6	453.9	497.6	546.0	549.1	1015.5	1123.1	1394.5	1038.9	483.6
85°	305.7	305.7	344.7	335.4	352.5	321.3	447.7	494.5	558.4	441.4	224.6
87.5°	121.7	134.1	226.2	202.8	157.5	126.3	165.3	174.7	193.4	173.1	93.6
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°	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6	3754.6
2.5°	3760.8	3765.5	3754.6	3746.8	3743.7	3739.0	3734.3	3735.9	3742.1	3748.4	3746.8
5°	3779.6	3781.1	3762.4	3753.0	3746.8	3740.6	3740.6	3745.2	3757.7	3767.1	3767.1
7.5°	3826.4	3826.4	3799.8	3782.7	3773.3	3762.4	3759.3	3760.8	3770.2	3782.7	3784.2
10°	3899.7	3893.4	3859.1	3832.6	3815.4	3788.9	3765.5	3753.0	3757.7	3765.5	3765.5
12.5°	3988.6	3971.4	3927.8	3891.9	3849.8	3799.8	3751.5	3726.5	3725.0	3732.8	3729.7
15°	4083.7	4065.0	4004.2	3938.7	3865.4	3792.0	3734.3	3698.5	3670.4	3662.6	3679.7
17.5°	4194.5	4155.5	4071.3	3980.8	3871.6	3776.4	3686.0	3612.7	3562.7	3548.7	3553.4
20°	4328.6	4277.2	4163.3	4021.3	3866.9	3720.3	3579.9	3481.6	3400.5	3375.6	3378.7
22.5°	4514.3	4425.4	4258.4	4041.6	3827.9	3614.2	3419.2	3291.3	3193.1	3154.1	3177.5
25°	4724.8	4628.1	4348.9	4036.9	3726.5	3444.2	3228.9	3062.0	2973.1	2915.4	2927.9
27.5°	5015.0	4843.4	4445.6	3994.8	3581.5	3236.7	2987.2	2829.6	2748.5	2718.9	2732.9
30°	5386.2	5122.6	4550.1	3881.0	3352.2	2974.7	2743.8	2640.9	2592.5	2555.1	2567.5
32.5°	5654.5	5319.2	4573.5	3689.1	3104.1	2736.0	2578.5	2502.0	2449.0	2413.1	2420.9
35°	5846.4	5486.1	4562.6	3453.6	2845.2	2539.5	2447.4	2385.0	2299.2	2221.3	2207.2
37.5°	6103.8	5695.1	4483.1	3196.2	2589.4	2406.9	2341.4	2225.9	2102.7	1998.2	1993.5
40°	6498.4	5940.0	4313.0	2893.6	2371.0	2308.6	2229.1	2079.3	1946.7	1862.5	1856.2
42.5°	6905.5	6166.2	4082.2	2575.3	2191.6	2205.7	2108.9	1960.8	1879.6	1825.0	1818.8
45°	7403.1	6411.1	3832.6	2299.2	2059.0	2108.9	2004.4	1918.6	1870.3	1834.4	1825.0
47.5°	7941.3	6662.2	3551.8	2051.2	1946.7	2020.0	1960.8	1921.8	1895.2	1870.3	1859.4
50°	8521.6	6943.0	3288.2	1851.6	1845.3	1928.0	1956.1	1942.0	1926.4	1918.6	1909.3
52.5°	9158.0	7230.0	3066.7	1711.2	1756.4	1862.5	1957.6	1968.6	1968.6	1963.9	1957.6
55°	9588.5	7429.7	2842.1	1597.3	1665.9	1809.4	1954.5	1996.6	2012.2	2006.0	1999.8
57.5°	9906.7	7538.9	2559.7	1499.0	1589.5	1758.0	1937.4	1999.8	2015.4	2023.2	2020.0
60°	9972.3	7437.5	2190.1	1396.1	1506.8	1683.1	1875.0	1953.0	1973.2	2021.6	2026.3
62.5°	9677.4	7125.5	1821.9	1294.7	1405.4	1569.2	1790.7	1899.9	1940.5	2015.4	2023.2
64°	9315.5	6776.1	1617.6	1230.7	1339.9	1505.3	1748.6	1885.9	1938.9	2038.8	2045.0
65°	9050.4	6521.8	1489.7	1190.2	1297.8	1463.2	1725.2	1890.6	1953.0	2074.6	2084.0
67.5°	8073.9	5646.7	1232.3	1095.0	1198.0	1391.4	1729.9	1929.6	1949.8	2088.7	2087.1
70°	6680.9	4495.5	1032.6	1007.7	1101.3	1333.7	1711.2	1867.2	1868.7	1960.8	1938.9
72.5°	5002.5	3322.5	895.4	917.2	993.6	1196.4	1616.0	1782.9	1756.4	1768.9	1747.1
75°	3436.4	2197.9	770.6	820.5	881.3	1057.6	1481.9	1619.1	1577.0	1561.4	1545.8
77.5°	1834.4	1215.1	641.1	725.3	765.9	914.1	1293.1	1425.7	1382.0	1321.2	1300.9
80°	742.5	572.5	516.3	600.6	623.9	736.3	1076.3	1159.0	1126.2	1020.2	985.8
82.5°	372.8	343.2	405.6	472.6	474.2	525.7	800.2	878.2	804.9	675.4	645.8
85°	195.0	201.2	279.2	332.3	293.3	283.9	480.4	531.9	488.2	424.3	382.2
87.5°	70.2	81.1	146.6	145.1	103.0	54.6	106.1	51.5	28.1	17.2	21.8
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)