

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: P319400

Luminaire Tested: **GAN-SA6B-750-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-750-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33483 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

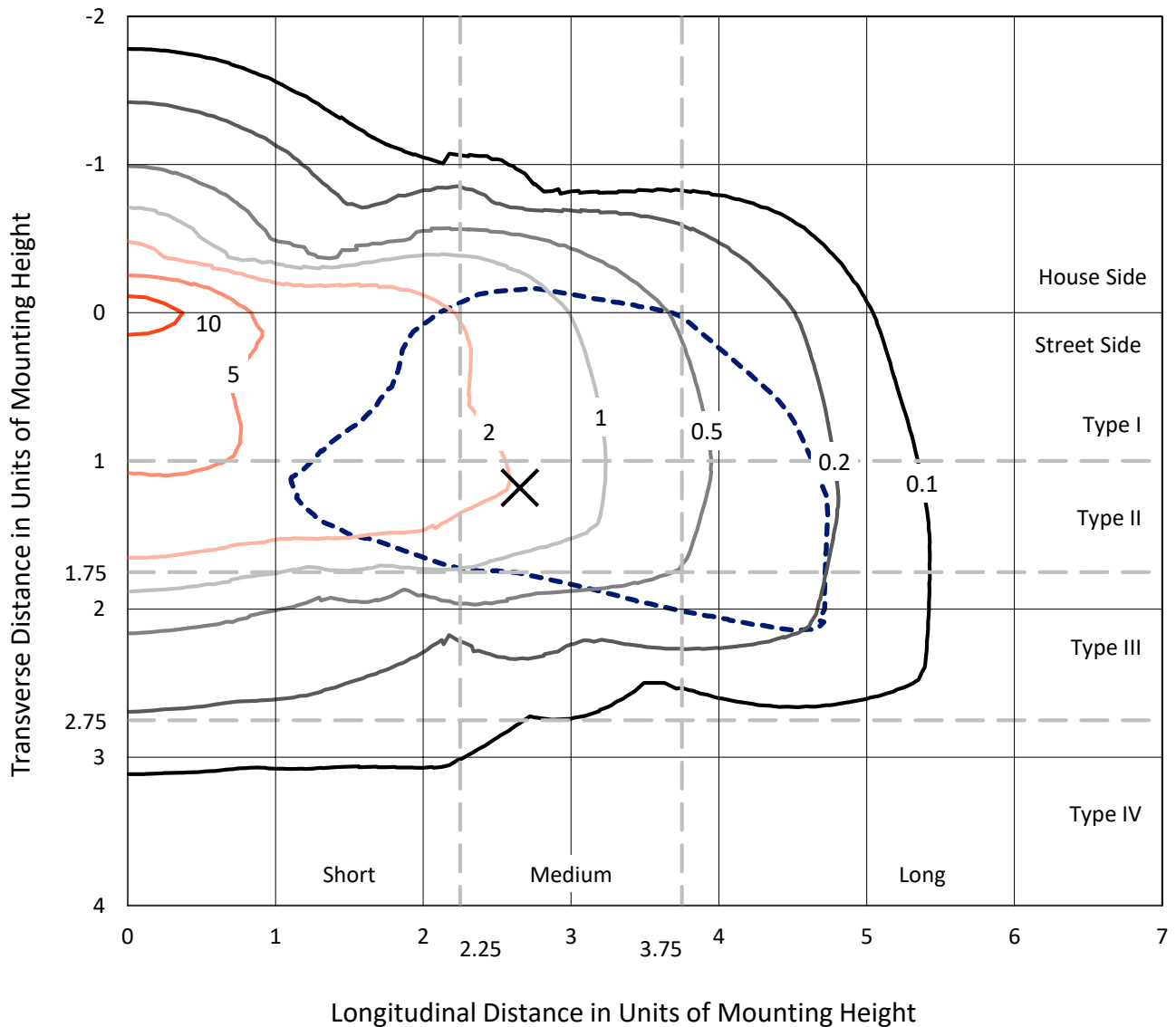
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

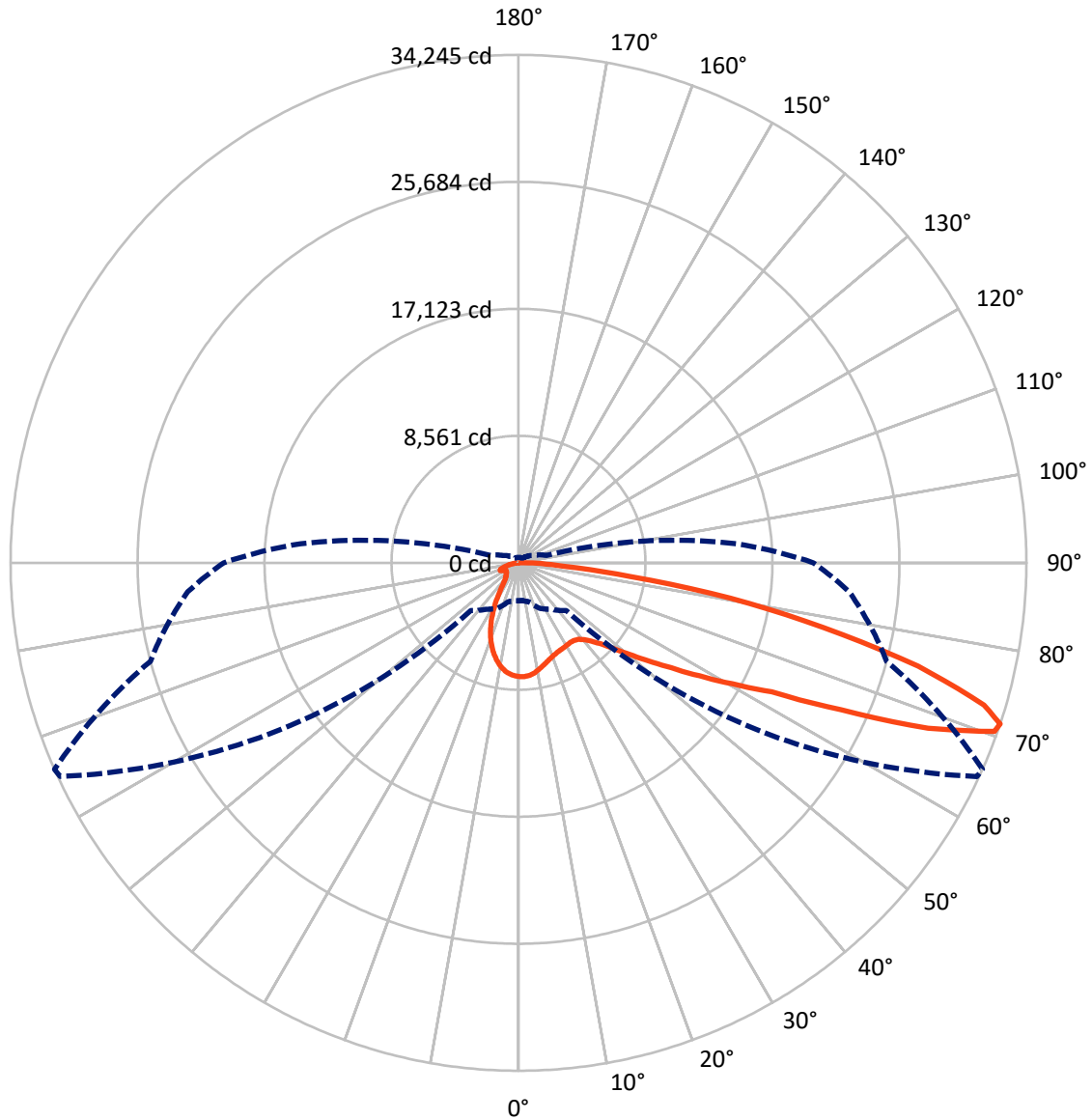
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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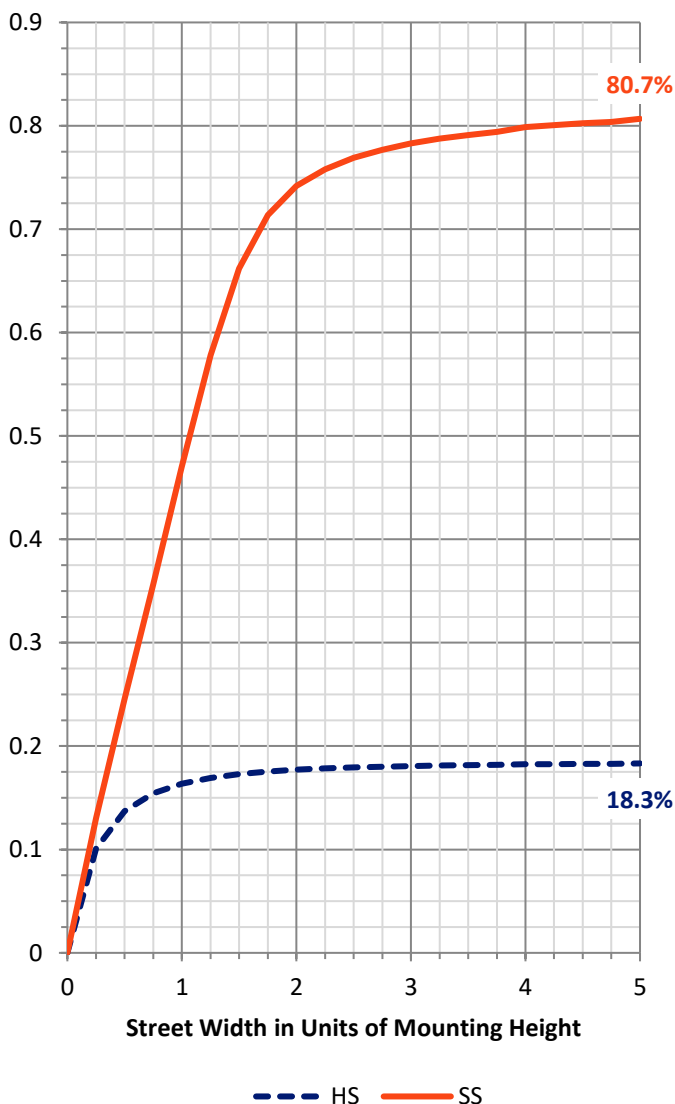
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6205.3	0.0	6205.3
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	27277.7	0.0	27277.7
	% Fixture	81.5	0.0	81.5
Total	Lumens	33483.0	0.0	33483.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.2	2.0
10°-20°	1619.3	4.8
20°-30°	2175.2	6.5
30°-40°	2861.4	8.5
40°-50°	4162.6	12.4
50°-60°	6502.5	19.4
60°-70°	8145.4	24.3
70°-80°	6213.1	18.6
80°-90°	1128.2	3.4
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°	33483.0	100.0
0°-180°	33483.0	100.0

Coefficient of Utilization

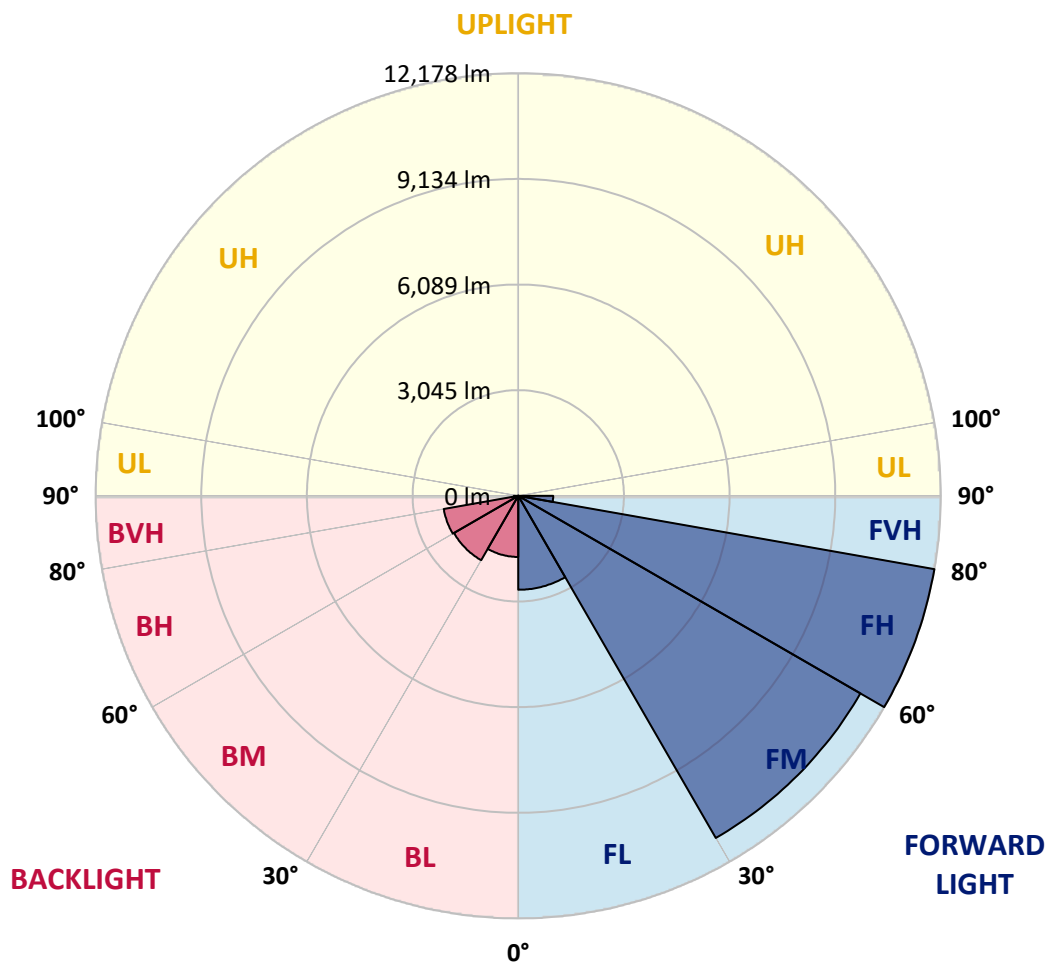


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2707.6	8.1			
FM (30°-60°)	11385.9	34.0			
FH (60°-80°)	12178.1	36.4			G5
FVH (80°-90°)	1006.1	3.0			G5
BL (0°-30°)	1762.1	5.3	B3/2500		
BM (30°-60°)	2140.6	6.4	B2/2500		
BH (60°-80°)	2180.4	6.5	B3/2500		G3/2500
BVH (80°-90°)	122.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7670.3	7670.3	7670.3	7670.3	7670.3	7670.3	7670.3	7670.3	7670.3	7670.3	7670.3
2.5°	7528.1	7516.6	7551.2	7587.1	7600.9	7624.1	7658.7	7678.4	7677.2	7680.7	7669.2
5°	7028.7	7013.7	7083.0	7139.7	7248.4	7370.9	7520.0	7626.4	7628.7	7688.8	7705.0
7.5°	6555.9	6545.5	6625.2	6716.6	6842.6	7029.9	7271.5	7500.4	7514.2	7677.2	7733.9
10°	6176.7	6174.4	6251.8	6351.3	6498.1	6707.3	6984.8	7320.0	7340.8	7621.8	7738.5
12.5°	5880.8	5885.4	5952.4	6065.7	6220.6	6439.1	6739.7	7117.7	7151.2	7533.9	7711.9
15°	5662.3	5680.8	5735.1	5849.5	6002.1	6224.1	6532.8	6930.4	6981.3	7435.6	7696.9
17.5°	5537.4	5558.2	5596.4	5691.2	5834.5	6048.4	6340.9	6776.7	6822.9	7360.5	7698.1
20°	5500.4	5517.8	5539.7	5597.5	5718.9	5913.1	6189.4	6638.0	6687.7	7300.4	7709.6
22.5°	5573.3	5586.0	5588.3	5583.7	5657.6	5816.0	6079.6	6536.2	6589.4	7261.1	7717.7
25°	5729.3	5746.7	5733.9	5691.2	5666.9	5764.0	6023.0	6469.2	6522.4	7232.2	7701.5
27.5°	5964.0	5966.3	5955.9	5900.4	5786.0	5769.8	6005.6	6429.9	6480.7	7198.6	7668.0
30°	6283.1	6298.1	6279.6	6204.5	6017.2	5862.3	6026.4	6391.7	6438.0	7155.9	7613.7
32.5°	6656.5	6693.5	6692.3	6613.7	6345.5	6069.2	6112.0	6368.6	6404.4	7110.8	7547.8
35°	7043.7	7094.6	7189.4	7155.9	6824.1	6396.4	6276.1	6405.6	6429.9	7105.0	7501.5
37.5°	7446.0	7496.9	7692.3	7782.4	7394.0	6864.5	6535.1	6536.2	6547.8	7175.5	7498.1
40°	7866.8	7921.2	8214.8	8449.5	8132.7	7457.6	6952.4	6809.1	6796.3	7348.9	7566.3
42.5°	8456.4	8505.0	8857.6	9157.0	8952.4	8217.1	7529.3	7229.9	7203.3	7688.8	7784.8
45°	9202.1	9243.7	9618.2	9938.5	9833.3	9084.1	8254.1	7809.0	7804.4	8255.3	8227.5
47.5°	10088.7	10121.1	10457.5	10767.3	10805.5	10081.8	9165.1	8702.6	8627.5	9032.1	8913.0
50°	11012.4	11048.2	11277.1	11610.1	11893.3	11417.0	10337.3	9797.4	9696.8	10057.5	9884.1
52.5°	11624.0	11671.4	11870.2	12292.1	13116.4	12880.6	11723.4	11124.5	10971.9	11300.3	11167.3
55°	11351.1	11457.5	11761.5	12437.8	14094.4	15116.3	13433.2	12672.5	12500.2	12773.1	12694.4
57.5°	10110.7	10256.4	10671.4	11715.3	14232.0	17086.2	16018.1	14495.6	14374.2	14295.6	14331.4
60°	7843.7	7983.6	8498.0	9858.7	13273.6	18524.3	19908.1	16742.9	16567.2	15823.8	15856.2
62.5°	5551.3	5480.8	5833.4	6828.7	10785.8	18693.1	24334.6	19748.6	19170.6	17437.7	17295.5
65°	4233.4	4217.2	4375.6	4692.4	6532.8	16673.5	26971.5	24800.5	23897.6	19335.9	19000.6
67.5°	3478.5	3449.6	3605.7	4066.9	4206.8	10756.9	27029.3	30661.6	29774.9	21698.8	20972.8
70°	2860.0	2827.7	2973.3	3568.7	3887.8	5455.3	22748.5	34093.9	34046.5	24690.6	22461.8
71°	2564.1	2541.0	2715.5	3376.8	3819.5	4546.7	19641.1	34103.1	34245.3	25703.3	22373.9
72.5°	2087.8	2095.9	2280.9	3005.7	3768.7	4014.9	14435.4	32513.5	32814.1	26668.6	21575.1
75°	1387.2	1394.2	1636.9	2312.1	3654.2	3928.2	7933.9	27282.5	27835.1	26090.6	19687.3
77.5°	931.8	929.5	1094.8	1586.1	3183.7	3928.2	4651.9	20405.2	21012.1	20760.1	15177.6
80°	641.6	637.0	753.7	1094.8	2410.3	3975.6	3596.4	14300.2	14484.0	11211.2	6168.6
82.5°	393.1	396.5	492.5	773.4	1640.4	3577.9	3395.3	7797.5	7597.5	3144.4	1541.0
85°	225.4	224.3	314.4	523.7	1053.1	3019.6	3310.9	3356.0	3078.5	946.8	557.2
87.5°	80.9	86.7	168.8	290.2	603.5	2102.8	2809.2	1745.6	1573.4	427.7	252.0
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°	7670.3	7670.3	7670.3	7670.3	7670.3	7670.3	7670.3	7670.3	7670.3	7670.3	7670.3
2.5°	7661.1	7668.0	7659.9	7613.7	7574.4	7510.8	7474.9	7425.2	7410.2	7403.3	7421.8
5°	7690.0	7692.3	7624.1	7502.7	7366.3	7205.6	7090.0	6947.8	6880.7	6851.8	6870.3
7.5°	7716.5	7706.1	7557.0	7324.7	7072.6	6792.9	6544.3	6316.6	6183.6	6129.3	6133.9
10°	7720.0	7676.1	7436.8	7077.3	6686.5	6276.1	5894.6	5543.2	5321.2	5176.7	5220.7
12.5°	7684.2	7610.2	7259.9	6757.0	6214.9	5655.3	5139.7	4612.6	4295.8	4149.0	4153.6
15°	7656.4	7522.3	7042.6	6380.2	5651.9	4910.8	4206.8	3587.2	3249.6	3099.3	3028.8
17.5°	7633.3	7427.5	6790.6	5955.9	4987.1	4047.3	3201.1	2648.5	2463.5	2419.6	2401.1
20°	7600.9	7327.0	6509.6	5464.6	4229.9	3080.8	2337.5	2064.7	2065.8	2116.7	2123.6
22.5°	7555.9	7212.5	6210.2	4913.2	3417.2	2243.9	1832.3	1753.7	1833.5	1930.6	1947.9
25°	7488.8	7077.3	5877.3	4303.9	2605.7	1724.8	1565.3	1561.8	1658.9	1760.6	1775.7
27.5°	7394.0	6900.4	5507.4	3649.6	1920.2	1465.9	1402.3	1426.5	1498.2	1572.2	1578.0
30°	7266.9	6694.6	5099.3	2959.5	1505.2	1305.2	1298.2	1320.2	1364.1	1416.1	1420.8
32.5°	7127.0	6485.4	4663.5	2291.3	1289.0	1218.5	1225.4	1235.8	1256.6	1277.4	1282.0
35°	6999.8	6271.5	4217.2	1741.0	1186.1	1161.8	1157.2	1154.9	1157.2	1150.3	1151.4
37.5°	6917.7	6094.6	3752.5	1386.1	1127.1	1112.1	1098.2	1080.9	1061.2	1049.7	1052.0
40°	6887.7	5962.8	3282.0	1197.7	1078.6	1068.2	1041.6	1004.6	981.5	974.5	974.5
42.5°	6968.6	5894.6	2827.7	1102.9	1038.1	1020.8	976.9	934.1	916.7	915.6	914.4
45°	7216.0	5922.4	2395.3	1050.8	1001.1	967.6	909.8	874.0	862.4	864.7	863.6
47.5°	7659.9	6096.9	2025.4	1016.2	964.1	920.2	855.5	826.6	812.7	812.7	813.9
50°	8414.8	6505.0	1730.6	987.3	932.9	876.3	816.2	780.3	761.8	760.7	760.7
52.5°	9514.2	7235.6	1546.8	963.0	898.2	837.0	776.9	731.8	709.8	705.2	702.9
55°	10892.2	8283.0	1495.9	946.8	852.0	794.2	729.5	684.4	660.1	649.7	648.5
57.5°	12433.2	9557.0	1596.5	927.1	804.6	743.3	677.4	634.7	609.2	596.5	595.4
60°	13992.7	10947.7	2006.9	899.4	765.3	687.8	624.3	585.0	559.5	545.6	543.3
62.5°	15554.5	12413.5	2845.0	897.1	737.6	634.7	569.9	536.4	512.1	497.1	493.6
65°	17316.3	14018.1	3797.6	958.4	728.3	586.1	514.4	487.8	467.0	453.2	452.0
67.5°	19339.3	15829.6	3706.3	1084.4	759.5	542.2	462.4	441.6	426.6	415.0	413.9
70°	20288.5	15546.4	2304.0	1173.4	803.4	499.4	412.7	397.7	386.1	378.0	374.6
71°	19890.8	14761.4	1931.7	1163.0	798.8	480.9	393.1	381.5	369.9	363.0	359.5
72.5°	18806.4	13462.1	1611.5	1082.1	746.8	447.4	367.6	356.1	345.7	337.6	335.3
75°	16875.8	12022.8	1290.1	864.7	595.4	378.0	322.5	309.8	301.7	297.1	292.5
77.5°	12405.4	8580.1	997.7	683.2	438.1	308.7	275.1	265.9	257.8	250.9	247.4
80°	4752.5	3323.6	671.7	509.8	321.4	243.9	222.0	217.3	209.2	204.6	204.6
82.5°	1279.7	993.0	358.4	308.7	215.0	178.0	169.9	167.6	160.7	151.4	152.6
85°	517.9	438.1	201.2	169.9	131.8	105.2	114.4	115.6	107.5	96.0	97.1
87.5°	227.7	186.1	112.1	75.1	57.8	40.5	52.0	52.0	47.4	39.3	35.8
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)