

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: P323811

Luminaire Tested: **GAN-SA7C-730-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36978 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

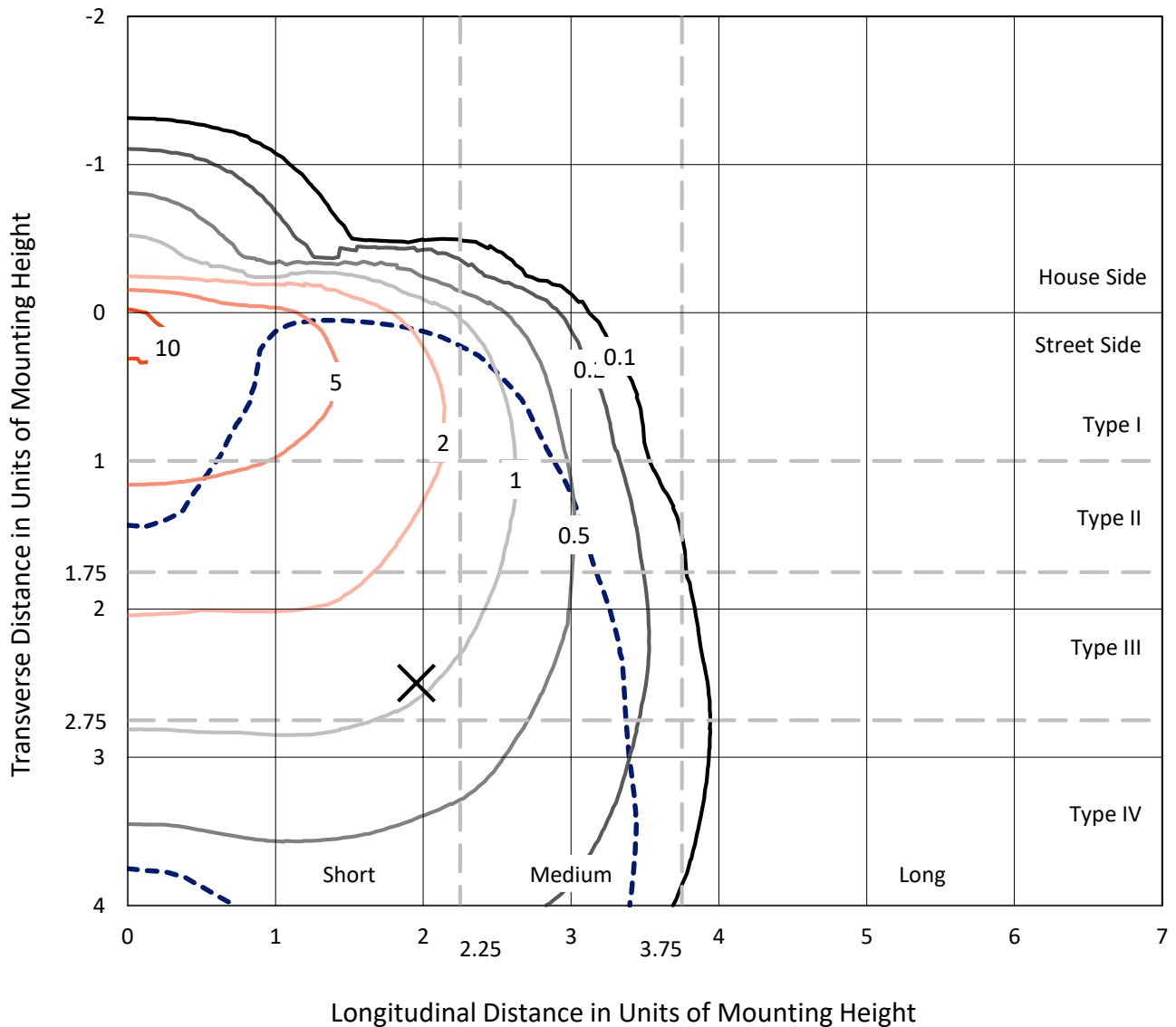
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

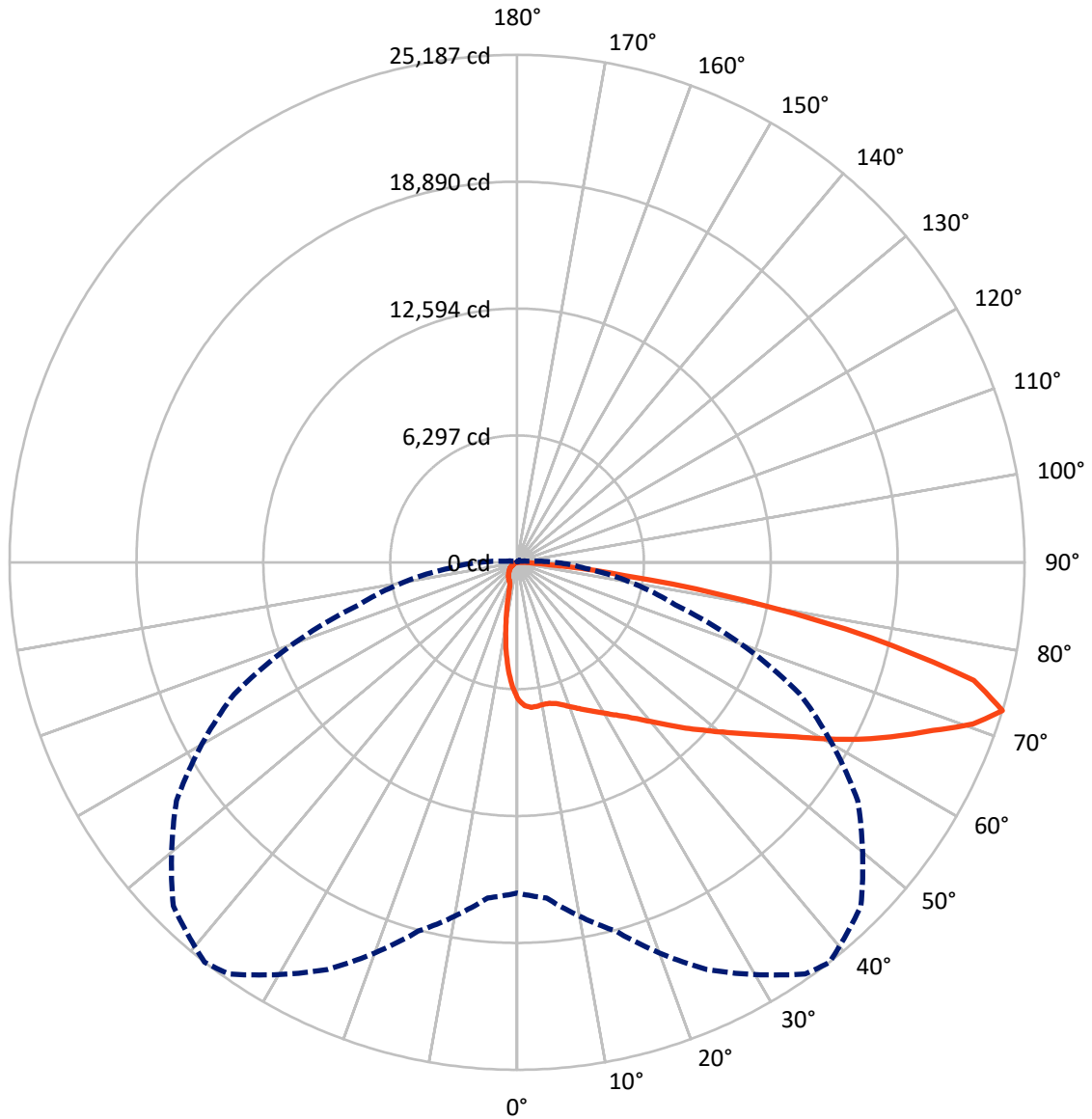
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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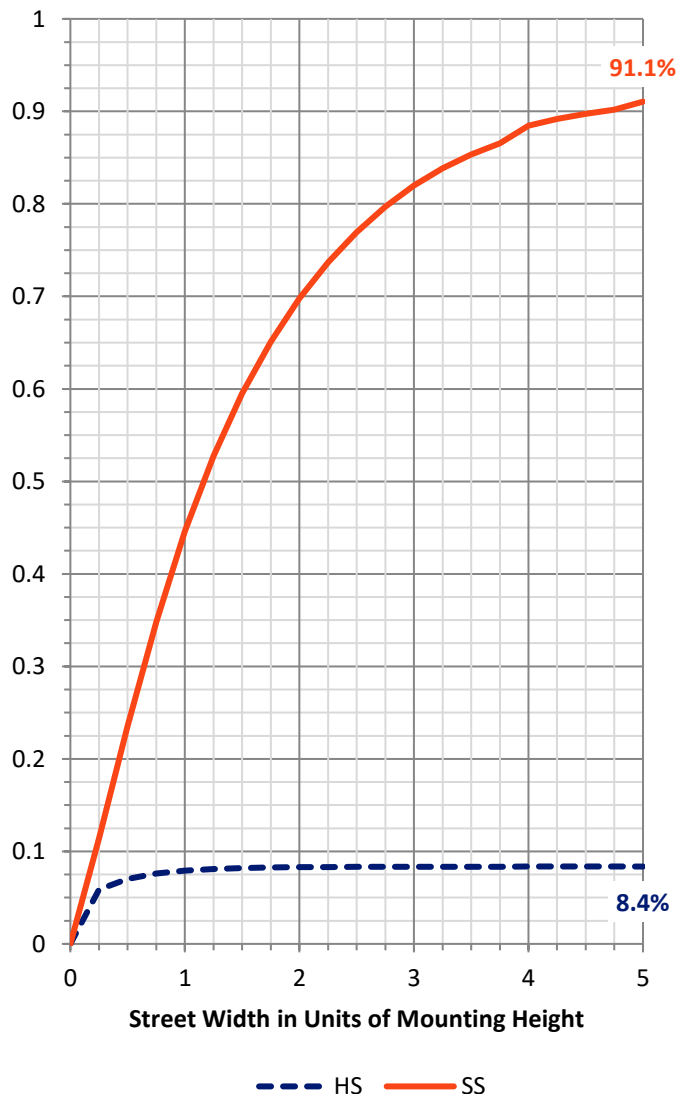
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3111.8	0.0	3111.8
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	33866.1	0.0	33866.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	36978.0	0.0	36978.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	579.5	1.6
10°-20°	1417.0	3.8
20°-30°	2253.7	6.1
30°-40°	3388.2	9.2
40°-50°	5169.0	14.0
50°-60°	7305.5	19.8
60°-70°	9163.6	24.8
70°-80°	6851.8	18.5
80°-90°	849.6	2.3
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°	36978.0	100.0
0°-180°	36978.0	100.0

Coefficient of Utilization



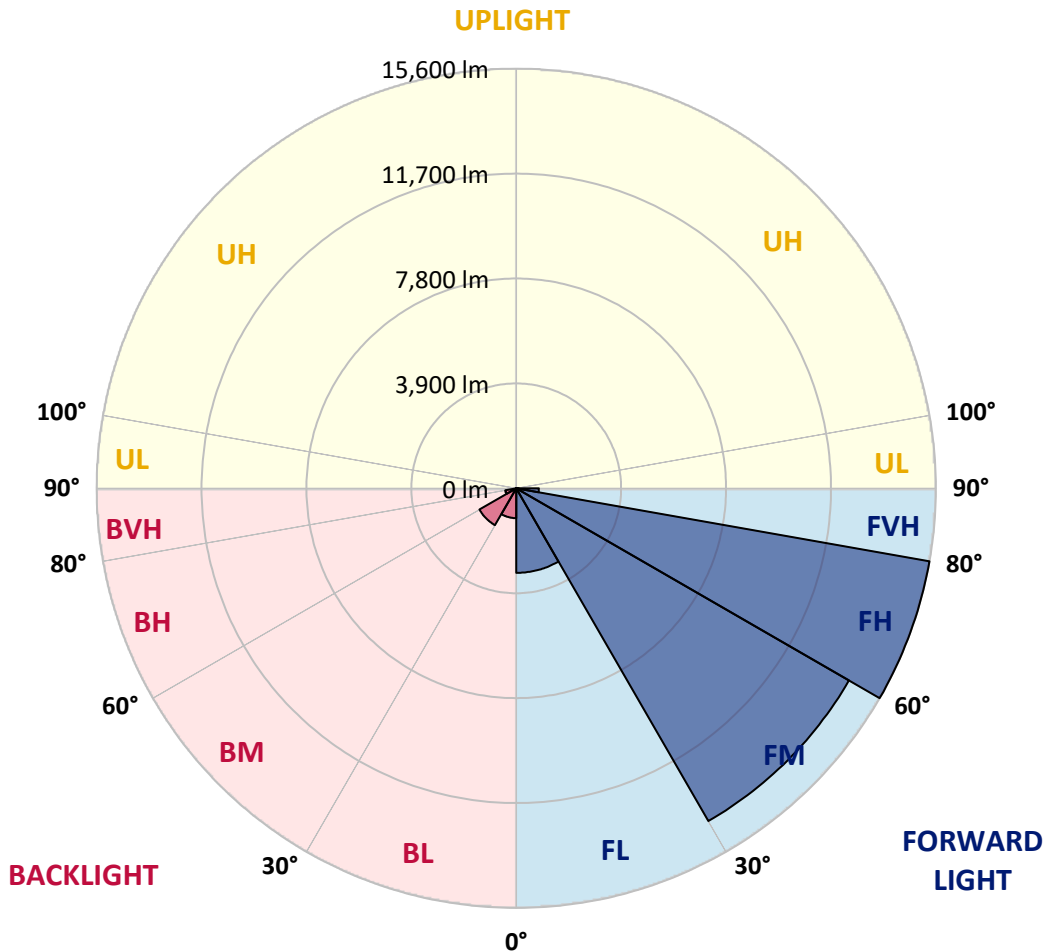
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3142.2	8.5			
FM (30°-60°)	14282.5	38.6			
FH (60°-80°)	15599.7	42.2			G5
FVH (80°-90°)	841.7	2.3			G5
BL (0°-30°)	1108.0	3.0	B3/2500		
BM (30°-60°)	1580.2	4.3	B2/2500		
BH (60°-80°)	415.7	1.1	B1/500		G1/500
BVH (80°-90°)	7.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	6800.1	6800.1	6800.1	6800.1	6800.1	6800.1	6800.1	6800.1	6800.1	6800.1	6800.1
2.5°	7217.8	7219.4	7202.5	7174.8	7139.5	7121.1	7090.4	7041.2	6989.0	6895.3	6794.0
5°	7365.3	7365.3	7343.8	7306.9	7250.1	7233.2	7174.8	7096.5	6989.0	6837.0	6666.5
7.5°	7349.9	7353.0	7323.8	7285.4	7228.6	7213.2	7142.6	7055.1	6921.5	6737.2	6519.1
10°	7270.1	7277.7	7254.7	7236.3	7184.1	7167.2	7101.1	7013.6	6880.0	6683.4	6433.1
12.5°	7188.7	7196.3	7204.0	7220.9	7188.7	7182.5	7130.3	7056.6	6929.1	6724.9	6442.3
15°	7136.5	7151.8	7207.1	7273.1	7280.8	7274.7	7240.9	7171.8	7042.8	6830.8	6508.3
17.5°	7136.5	7161.0	7276.2	7402.1	7446.7	7451.3	7422.1	7325.3	7171.8	6944.5	6569.8
20°	7196.3	7230.1	7409.8	7588.0	7661.7	7661.7	7604.8	7469.7	7290.0	7047.4	6611.2
22.5°	7349.9	7394.5	7620.2	7826.0	7904.3	7887.4	7810.6	7614.1	7412.9	7164.1	6663.5
25°	7652.5	7686.2	7921.2	8128.5	8176.1	8137.7	8041.0	7789.1	7569.5	7322.3	6758.7
27.5°	8042.5	8047.1	8289.8	8464.8	8435.7	8409.6	8288.2	8008.7	7795.3	7548.0	6923.0
30°	8471.0	8471.0	8684.5	8818.1	8729.0	8707.5	8586.2	8274.4	8084.0	7855.2	7156.4
32.5°	8885.6	8904.1	9077.6	9162.1	9062.2	9040.7	8922.5	8610.7	8467.9	8323.6	7520.4
35°	9286.4	9300.3	9464.6	9510.7	9415.4	9421.6	9337.1	9073.0	9019.2	9000.8	8068.6
37.5°	9675.0	9678.1	9845.4	9874.6	9827.0	9879.2	9886.9	9653.5	9753.3	9902.3	8841.1
40°	10029.7	10032.8	10198.7	10273.9	10355.3	10422.9	10482.8	10358.4	10688.6	11034.1	9761.0
42.5°	10313.8	10346.1	10556.5	10699.3	10914.3	11043.3	11206.1	11199.9	11801.9	12321.0	10872.8
45°	10564.2	10619.4	10912.8	11163.1	11531.7	11737.4	11992.4	12192.0	13055.1	13753.8	11998.5
47.5°	10894.3	10946.6	11281.3	11691.4	12182.8	12453.1	12875.4	13306.9	14432.6	15160.5	13098.1
50°	11359.7	11336.6	11666.8	12255.0	12886.2	13240.9	13842.9	14489.4	15799.4	16386.0	13744.6
52.5°	11855.7	11846.5	12090.7	12867.7	13715.4	14130.1	14925.6	15711.9	17106.3	17230.7	14041.0
55°	12470.0	12403.9	12609.7	13566.5	14699.8	15145.2	16082.0	16922.0	18147.5	17706.8	14190.0
57.5°	13113.4	13004.4	13201.0	14345.1	15810.2	16336.9	17362.8	18101.4	18840.1	18032.3	14188.4
60°	13778.4	13649.4	13882.8	15318.7	17189.2	17798.9	18751.0	18898.5	19486.6	18196.7	14084.0
62.5°	14334.3	14257.5	14604.6	16359.9	18729.5	19328.5	19799.9	19623.3	20031.8	18324.1	13839.8
65°	14922.5	14927.1	15487.7	17574.7	20366.6	20770.5	20810.4	20563.2	20487.9	18298.0	13013.6
67.5°	15718.0	15791.7	16727.0	19224.0	21959.1	22270.9	22267.8	21581.4	20821.2	17259.9	11181.5
70°	16559.6	16733.1	18155.2	21111.4	23697.6	24013.9	23851.1	22229.4	19604.9	13956.5	7913.5
72.5°	16418.3	16719.3	18949.1	22301.6	24946.1	25187.2	24129.1	20636.9	15495.3	8111.6	3369.4
75°	12666.6	13015.2	17375.0	21122.2	23636.1	23419.6	20732.1	16058.9	8467.9	2263.6	758.6
77.5°	6691.1	6876.9	11477.9	16091.2	18430.1	17977.0	14604.6	8908.7	2581.5	560.5	340.9
80°	3504.5	3547.5	5001.8	9129.8	11375.0	11378.1	8655.3	3913.0	1064.2	287.2	228.8
82.5°	1876.6	1913.5	2643.0	4218.6	5960.1	5402.6	3314.1	2153.1	618.9	162.8	219.6
85°	451.5	459.2	1498.9	1927.3	2343.5	1673.9	984.4	1807.5	167.4	95.2	178.1
87.5°	173.5	176.6	555.9	833.9	597.4	387.0	460.7	674.2	21.5	36.9	27.6
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°	6800.1	6800.1	6800.1	6800.1	6800.1	6800.1	6800.1	6800.1	6800.1	6800.1	6800.1
2.5°	6732.6	6692.6	6594.3	6470.0	6359.4	6279.5	6159.7	6081.4	6029.2	6027.7	6007.7
5°	6562.1	6480.7	6268.8	6016.9	5788.1	5582.3	5339.7	5147.7	5004.9	4981.8	4932.7
7.5°	6379.3	6245.7	5920.2	5527.0	5143.1	4753.0	4300.0	4019.0	3777.9	3662.7	3650.4
10°	6267.2	6079.9	5617.6	5049.4	4447.4	3813.2	3220.4	2810.4	2514.0	2429.5	2366.5
12.5°	6244.2	5997.0	5384.2	4601.0	3741.0	2902.5	2246.7	1810.6	1574.1	1498.9	1478.9
15°	6267.2	5958.6	5187.6	4157.2	3025.4	2059.4	1508.1	1254.7	1165.6	1144.1	1142.6
17.5°	6281.1	5912.5	4965.0	3664.2	2331.2	1471.2	1154.9	1081.1	1067.3	1065.8	1068.9
20°	6279.5	5841.8	4699.3	3114.4	1733.8	1156.4	1044.3	1028.9	1025.9	1027.4	1025.9
22.5°	6268.8	5758.9	4407.5	2547.7	1310.0	1033.5	996.7	987.5	985.9	985.9	985.9
25°	6288.7	5692.9	4086.5	2005.6	1079.6	976.7	953.7	946.0	944.5	944.5	941.4
27.5°	6360.9	5656.0	3734.9	1543.4	975.2	926.0	907.6	906.1	901.5	899.9	903.0
30°	6477.6	5656.0	3349.4	1200.9	912.2	873.8	860.0	856.9	855.4	853.9	855.4
32.5°	6683.4	5699.0	2928.6	998.2	852.3	815.5	806.2	810.9	806.2	806.2	806.2
35°	7055.1	5828.0	2487.9	870.7	789.4	758.6	749.4	755.6	752.5	752.5	751.0
37.5°	7597.2	6067.6	2044.0	794.0	734.1	701.8	689.5	698.7	695.7	695.7	694.1
40°	8257.5	6416.2	1621.7	735.6	680.3	646.5	635.8	640.4	632.7	632.7	635.8
42.5°	9073.0	6858.5	1253.1	678.8	626.6	594.3	588.2	583.6	569.7	562.1	563.6
45°	9979.1	7319.2	976.7	623.5	575.9	549.8	540.6	528.3	505.2	489.9	491.4
47.5°	10788.4	7674.0	794.0	569.7	529.8	509.9	496.0	473.0	439.2	420.8	422.3
50°	11213.8	7727.7	675.7	516.0	486.8	466.9	446.9	411.6	371.6	351.7	350.1
52.5°	11322.8	7475.8	588.2	466.9	443.8	420.8	394.7	347.1	302.5	281.0	278.0
55°	11362.7	7091.9	509.9	420.8	397.7	371.6	337.9	284.1	242.6	221.1	219.6
57.5°	11230.7	6519.1	448.4	379.3	351.7	319.4	278.0	227.3	187.4	170.5	170.5
60°	10937.3	5743.6	400.8	334.8	304.1	267.2	224.2	176.6	139.7	125.9	125.9
62.5°	10352.2	4739.2	356.3	288.7	259.5	221.1	181.2	133.6	98.3	90.6	92.1
65°	9248.1	3595.1	311.7	247.2	221.1	182.7	141.3	95.2	66.0	66.0	69.1
67.5°	7541.9	2497.1	265.7	210.4	190.4	149.0	107.5	66.0	46.1	52.2	58.4
70°	4992.6	1400.6	227.3	173.5	162.8	118.2	79.9	44.5	36.9	49.1	59.9
72.5°	1884.3	545.2	190.4	139.7	141.3	90.6	56.8	33.8	33.8	53.7	70.6
75°	525.2	267.2	136.7	102.9	110.6	66.0	41.5	29.2	32.2	61.4	82.9
77.5°	308.7	196.6	89.1	59.9	75.2	46.1	27.6	23.0	27.6	52.2	79.9
80°	248.8	104.4	52.2	30.7	41.5	26.1	18.4	13.8	7.7	20.0	41.5
82.5°	248.8	63.0	24.6	21.5	21.5	13.8	9.2	6.1	1.5	0.0	10.7
85°	167.4	26.1	15.4	13.8	10.7	4.6	3.1	1.5	0.0	0.0	0.0
87.5°	27.6	10.7	6.1	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0
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)