

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: P322254

Luminaire Tested: **GAN-SA0C-740-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-740-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51018 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

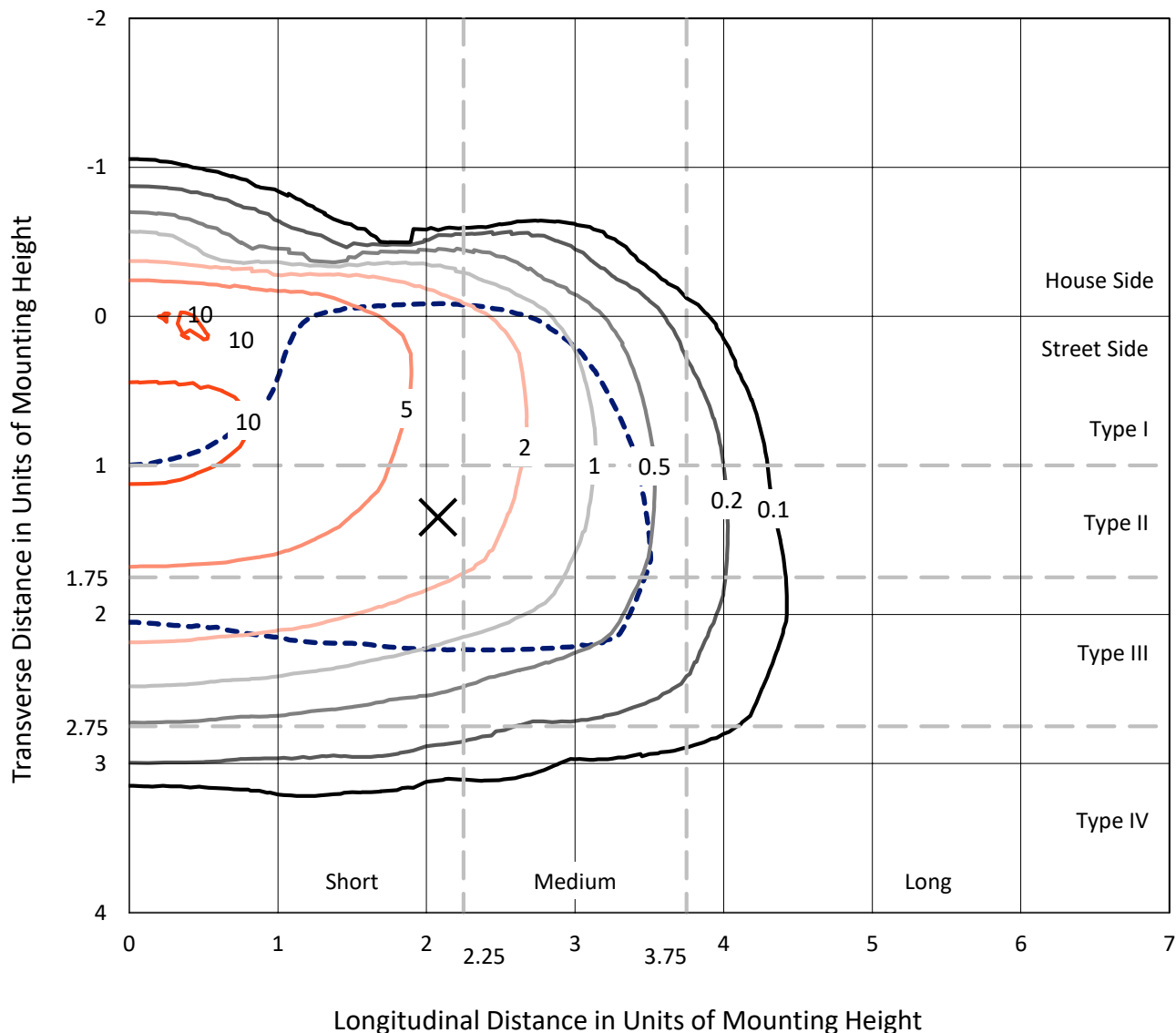
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

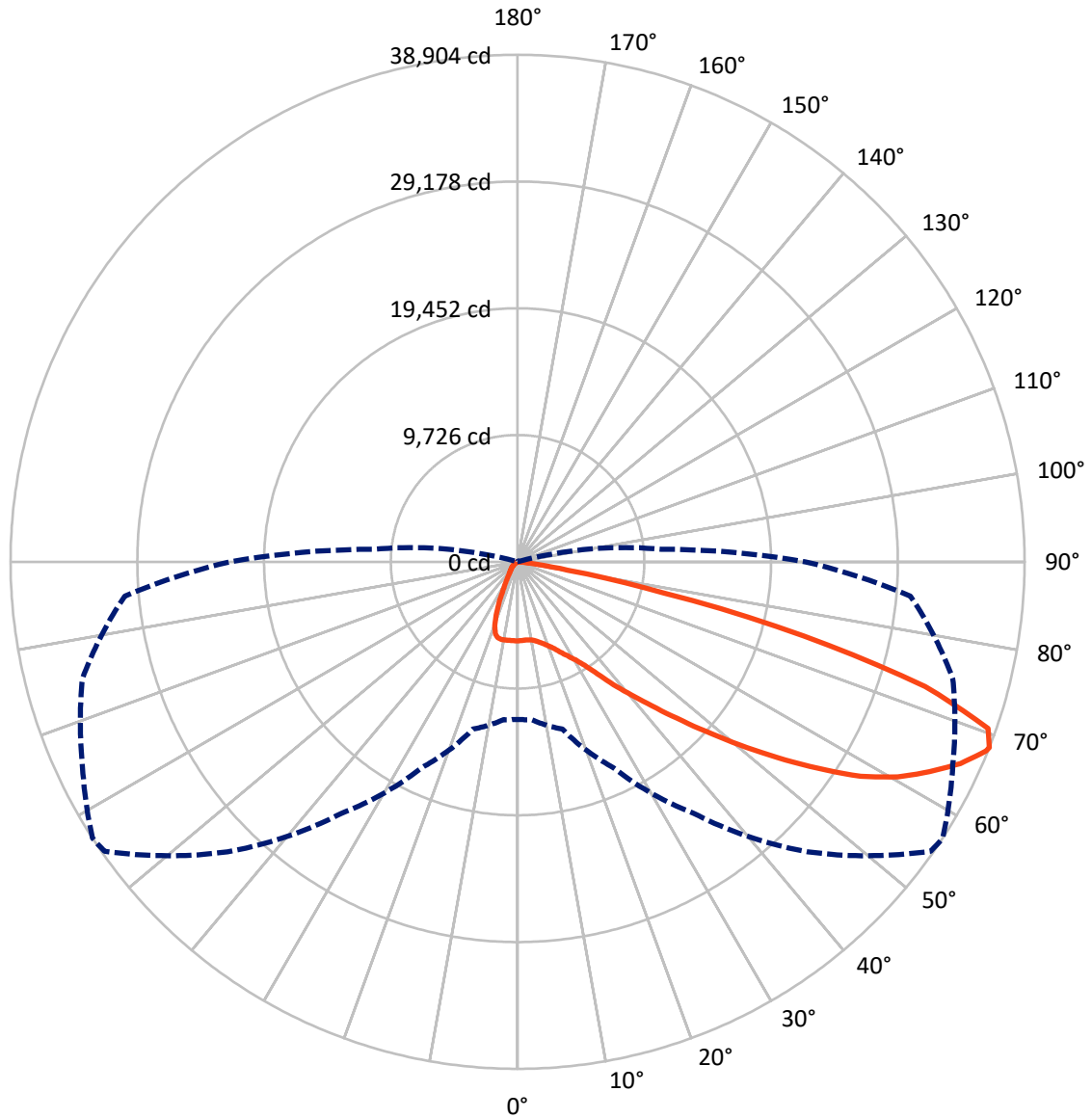
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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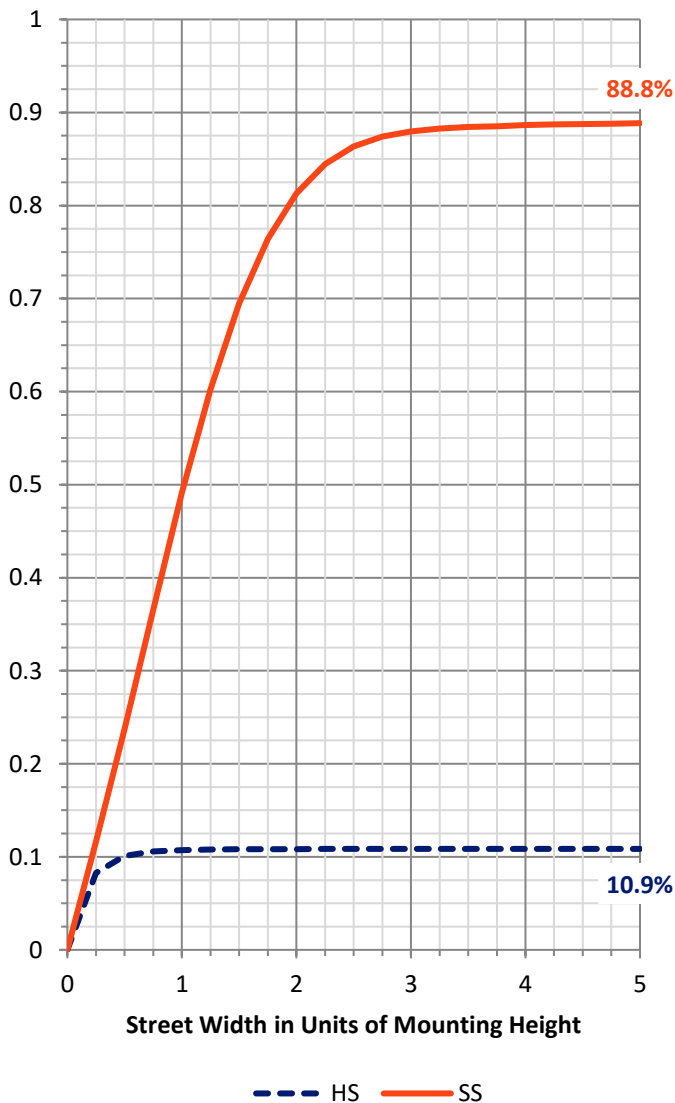
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5594.4	0.0	5594.4
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	45423.6	0.0	45423.6
	% Fixture	89.0	0.0	89.0
Total	Lumens	51018.0	0.0	51018.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.3	1.1
10°-20°	1572.1	3.1
20°-30°	2712.1	5.3
30°-40°	4680.9	9.2
40°-50°	8006.9	15.7
50°-60°	12810.2	25.1
60°-70°	14800.8	29.0
70°-80°	5655.6	11.1
80°-90°	212.0	0.4
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°	51018.0	100.0
0°-180°	51018.0	100.0

Coefficient of Utilization

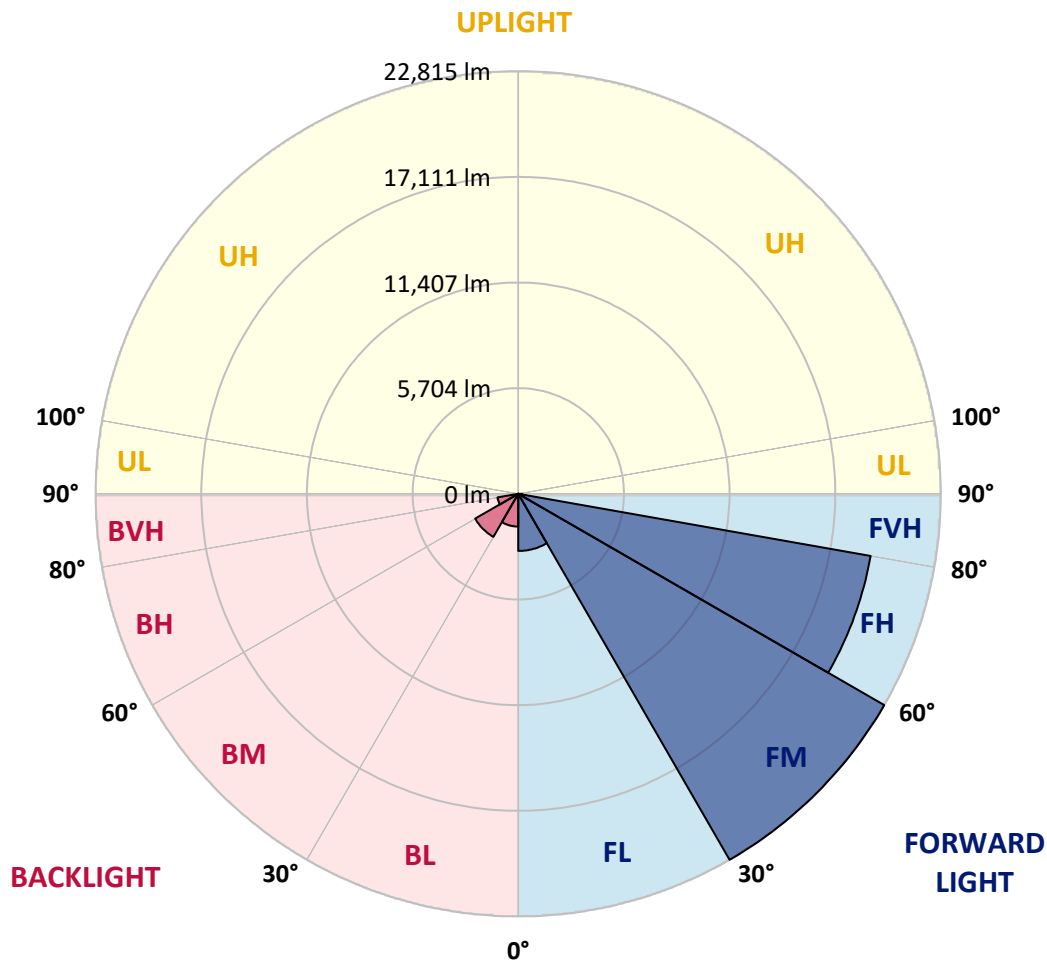


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3083.6	6.0			
FM (30°-60°)	22814.8	44.7			
FH (60°-80°)	19317.1	37.9			G5
FVH (80°-90°)	208.1	0.4			G2/225
BL (0°-30°)	1768.0	3.5	B3/2500		
BM (30°-60°)	2683.2	5.3	B3/5000		
BH (60°-80°)	1139.3	2.2	B3/2500		G3/2500
BVH (80°-90°)	3.9	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	6062.3	6062.3	6062.3	6062.3	6062.3	6062.3	6062.3	6062.3	6062.3	6062.3	6062.3
2.5°	5920.0	5946.5	5965.8	5977.9	5992.3	6023.7	6033.3	6047.8	6055.0	6055.0	6071.9
5°	5686.0	5714.9	5755.9	5789.7	5857.2	5944.1	6006.8	6030.9	6074.3	6112.9	6134.7
7.5°	5468.8	5502.6	5550.9	5630.5	5746.3	5886.2	6016.4	6050.2	6134.7	6216.7	6257.7
10°	5328.9	5355.5	5418.2	5531.6	5683.5	5878.9	6062.3	6103.3	6248.0	6385.5	6462.7
12.5°	5280.7	5304.8	5369.9	5497.8	5686.0	5915.1	6168.4	6228.7	6441.0	6641.3	6749.8
15°	5350.6	5355.5	5425.4	5546.0	5731.8	6004.4	6344.5	6416.9	6684.7	6945.2	7080.3
17.5°	5620.8	5599.1	5635.3	5688.4	5835.5	6122.6	6530.3	6638.8	6995.9	7302.2	7430.1
20°	6296.3	6296.3	6214.3	6069.5	6071.9	6305.9	6781.2	6904.2	7340.8	7695.5	7811.3
22.5°	7451.8	7430.1	7266.1	6911.4	6585.8	6622.0	7087.5	7246.8	7755.8	8134.5	8173.1
25°	8841.3	8814.8	8561.5	8062.1	7497.6	7133.4	7502.5	7685.8	8250.3	8585.6	8506.0
27.5°	10312.9	10291.2	10040.3	9420.3	8617.0	7948.8	7997.0	8170.7	8754.5	9085.0	8831.7
30°	11738.6	11745.8	11497.4	10860.5	9951.0	8988.5	8624.2	8725.5	9244.2	9579.5	9217.7
32.5°	13094.3	13104.0	12889.3	12177.6	11328.5	10197.1	9492.7	9466.1	9813.5	10144.0	9729.1
35°	14302.9	14327.1	14179.9	13627.5	12727.7	11543.2	10619.2	10556.5	10621.7	10995.6	10513.1
37.5°	15468.1	15482.6	15371.6	14906.0	14153.4	13022.0	12042.5	11953.3	11813.4	12100.4	11548.0
40°	16744.3	16708.1	16580.2	16158.0	15511.5	14655.1	13572.0	13417.6	13173.9	13429.7	12908.6
42.5°	17931.1	17890.1	17911.8	17434.2	16889.0	16334.2	15354.7	15089.4	14947.0	15241.3	14577.9
45°	19414.7	19393.0	19465.4	19050.5	18609.0	18206.1	17398.0	17108.5	17045.8	17390.8	16597.1
47.5°	20879.1	20932.1	21156.5	20980.4	20801.9	20447.2	19561.9	19431.6	19470.2	19887.6	18727.2
50°	22099.7	22162.4	22777.6	22980.2	23238.4	23030.9	22143.1	22063.5	22215.5	22591.8	21019.0
52.5°	22982.6	23110.5	23875.2	24808.8	25749.6	25889.5	25004.2	24931.8	25136.9	25194.8	22789.7
55°	23595.4	23708.8	24574.8	26282.8	28198.2	28801.3	28251.3	27971.4	27932.8	27361.1	24652.0
57.5°	23703.9	23691.9	24936.7	27235.6	30118.4	31674.4	31327.0	31052.0	30260.8	29363.4	26786.9
60°	23091.2	23161.2	24606.2	27566.1	31324.6	33848.0	33874.5	33517.5	32284.7	31310.1	28856.8
62.5°	21204.7	21489.4	22948.9	26700.1	31310.1	34723.6	35741.7	35469.1	33995.1	32904.7	30955.5
65°	18145.8	18247.2	19639.1	23732.9	29194.5	34357.0	37423.1	37321.8	35536.6	34453.5	32033.8
67.5°	13251.1	13031.6	14493.5	18688.6	24717.1	32219.6	38629.3	38757.1	36725.9	34771.9	30885.6
68°	12093.2	12158.3	13297.0	17441.4	23544.7	31464.5	38708.9	38904.3	36844.1	34564.4	30258.3
70°	7208.2	7333.6	8349.2	12008.8	17911.8	27192.2	37850.1	38296.4	36139.7	32424.7	26171.8
72.5°	1840.6	1990.2	2950.3	5374.8	10230.9	19159.0	31951.8	32706.9	31377.7	26304.5	17668.2
75°	757.5	796.1	1054.2	1770.7	3811.5	8631.5	21060.0	22676.3	21752.3	15747.9	7984.9
77.5°	523.5	550.0	677.9	981.8	1650.1	2926.2	10324.9	11492.5	10353.9	5374.8	1741.7
80°	376.3	398.0	484.9	653.8	948.1	1044.6	3365.3	3891.2	3090.2	1179.6	431.8
82.5°	224.4	241.2	361.9	465.6	576.6	499.4	837.1	950.5	895.0	586.2	193.0
85°	111.0	130.3	243.6	332.9	311.2	209.9	255.7	284.7	352.2	357.0	103.7
87.5°	7.2	14.5	142.3	200.2	86.8	48.2	74.8	91.7	125.4	176.1	43.4
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°	6062.3	6062.3	6062.3	6062.3	6062.3	6062.3	6062.3	6062.3	6062.3	6062.3	6062.3
2.5°	6079.2	6081.6	6064.7	6057.5	6062.3	6033.3	6021.3	6026.1	6026.1	6033.3	6021.3
5°	6139.5	6139.5	6110.5	6071.9	6050.2	5994.7	5958.6	5948.9	5941.7	5936.8	5927.2
7.5°	6269.7	6255.3	6204.6	6120.2	6047.8	5927.2	5835.5	5787.3	5763.1	5753.5	5746.3
10°	6479.6	6453.1	6368.7	6211.9	6045.4	5830.7	5630.5	5488.1	5369.9	5321.7	5292.7
12.5°	6761.9	6723.3	6580.9	6320.4	6028.5	5632.9	5198.7	4781.3	4392.9	4233.7	4154.1
15°	7087.5	7032.1	6807.7	6412.1	5929.6	5186.6	4243.4	3512.4	2974.5	2771.8	2685.0
17.5°	7418.0	7345.7	7005.5	6470.0	5632.9	4262.7	2976.9	2248.3	1888.9	1792.4	1758.6
20°	7750.9	7644.8	7176.8	6426.6	4962.2	3073.4	1963.7	1642.8	1539.1	1510.1	1500.5
22.5°	8067.0	7902.9	7331.2	6257.7	3929.7	2062.6	1553.6	1452.2	1418.5	1401.6	1396.8
25°	8342.0	8112.8	7466.3	5736.6	2781.5	1558.4	1399.2	1365.4	1322.0	1290.6	1293.0
27.5°	8600.1	8322.7	7548.3	4877.8	1855.1	1331.6	1295.4	1249.6	1170.0	1124.2	1124.2
30°	8911.3	8602.5	7608.6	3753.6	1365.4	1177.2	1148.3	1078.3	969.8	909.5	909.5
32.5°	9379.3	9027.1	7570.0	2634.3	1131.4	1034.9	967.4	870.9	752.7	694.8	692.3
35°	10095.8	9683.2	7295.0	1727.3	998.7	899.8	791.3	673.1	569.3	521.1	518.7
37.5°	11060.7	10561.4	6677.4	1235.1	895.0	774.4	644.1	513.8	436.6	405.3	402.9
40°	12312.7	11581.8	5794.5	1001.1	798.5	653.8	496.9	398.0	345.0	320.8	323.3
42.5°	13815.6	12674.6	4735.5	863.6	704.4	538.0	388.4	313.6	279.8	262.9	258.1
45°	15485.0	13752.9	3625.8	769.5	610.3	434.2	304.0	248.5	221.9	212.3	212.3
47.5°	17320.8	14802.3	2653.6	687.5	509.0	335.3	243.6	202.6	180.9	173.7	171.3
50°	18987.8	15530.8	1913.0	600.7	417.3	265.4	197.8	168.9	154.4	144.7	144.7
52.5°	20377.3	15760.0	1408.8	506.6	337.7	212.3	164.0	144.7	130.3	123.0	123.0
55°	21600.4	15665.9	1047.0	417.3	272.6	173.7	139.9	123.0	111.0	103.7	103.7
57.5°	22772.8	15362.0	781.6	340.1	219.5	139.9	118.2	103.7	91.7	86.8	86.8
60°	23730.5	14855.4	581.4	275.0	176.1	113.4	98.9	84.4	74.8	67.5	67.5
62.5°	24507.3	14295.7	427.0	226.8	139.9	89.3	77.2	70.0	55.5	48.2	48.2
65°	24512.1	13366.9	320.8	188.2	108.6	70.0	57.9	55.5	36.2	28.9	26.5
67.5°	22739.0	11523.9	246.1	161.6	84.4	53.1	43.4	45.8	19.3	12.1	9.6
68°	22094.9	11055.9	231.6	159.2	79.6	50.7	41.0	45.8	16.9	9.6	7.2
70°	18628.3	8795.5	185.8	154.4	70.0	38.6	33.8	45.8	14.5	7.2	4.8
72.5°	11914.7	5104.6	137.5	123.0	53.1	28.9	21.7	41.0	14.5	4.8	2.4
75°	5070.8	1582.5	94.1	86.8	31.4	21.7	14.5	26.5	9.6	2.4	0.0
77.5°	1068.7	357.0	55.5	53.1	21.7	14.5	9.6	7.2	2.4	0.0	0.0
80°	275.0	103.7	28.9	26.5	12.1	7.2	4.8	0.0	0.0	0.0	0.0
82.5°	86.8	41.0	16.9	12.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	43.4	24.1	9.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	24.1	7.2	2.4	0.0	0.0	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)