

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: P321571

Luminaire Tested: **GAN-SA7C-730-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-730-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35041 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

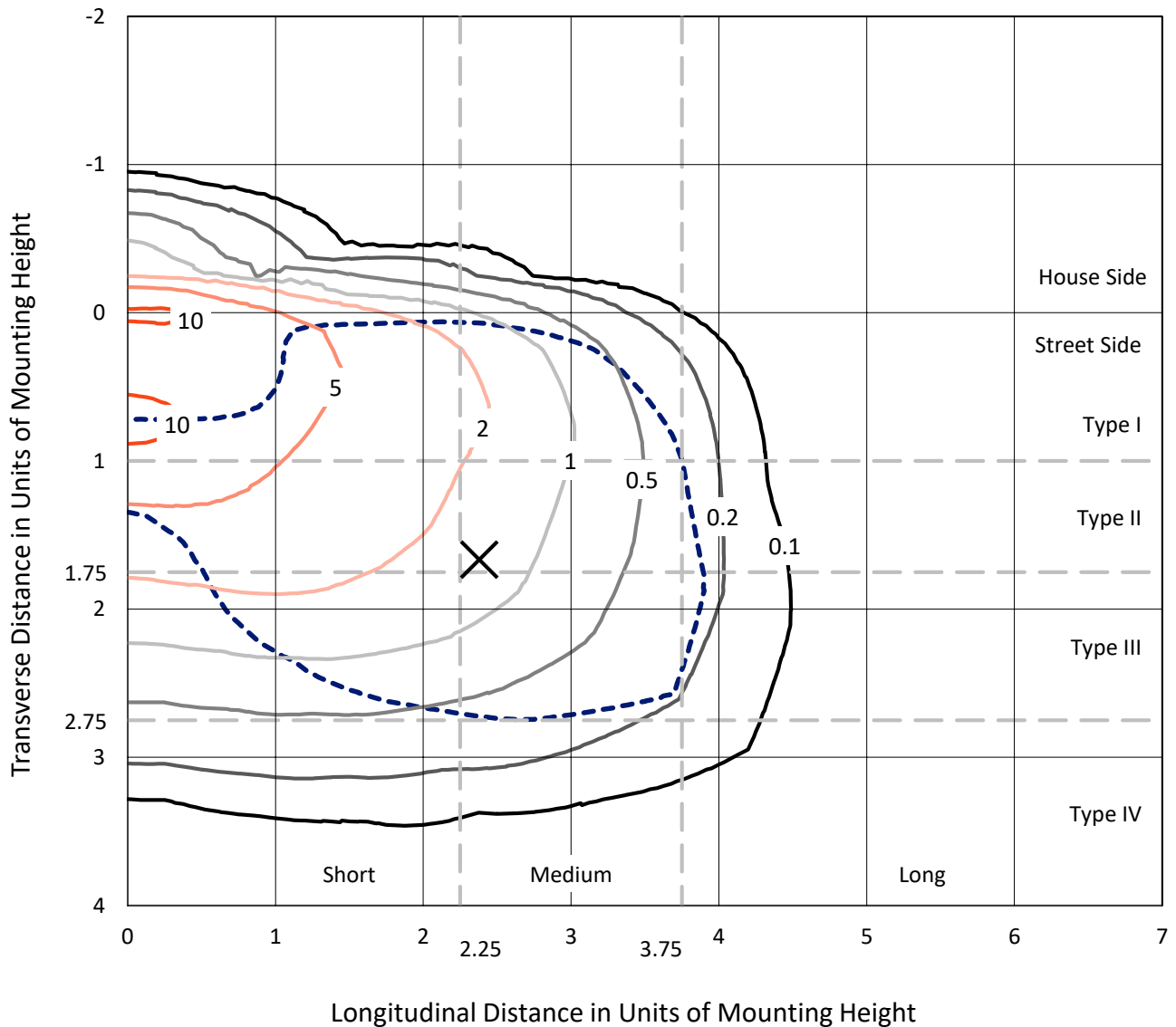
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

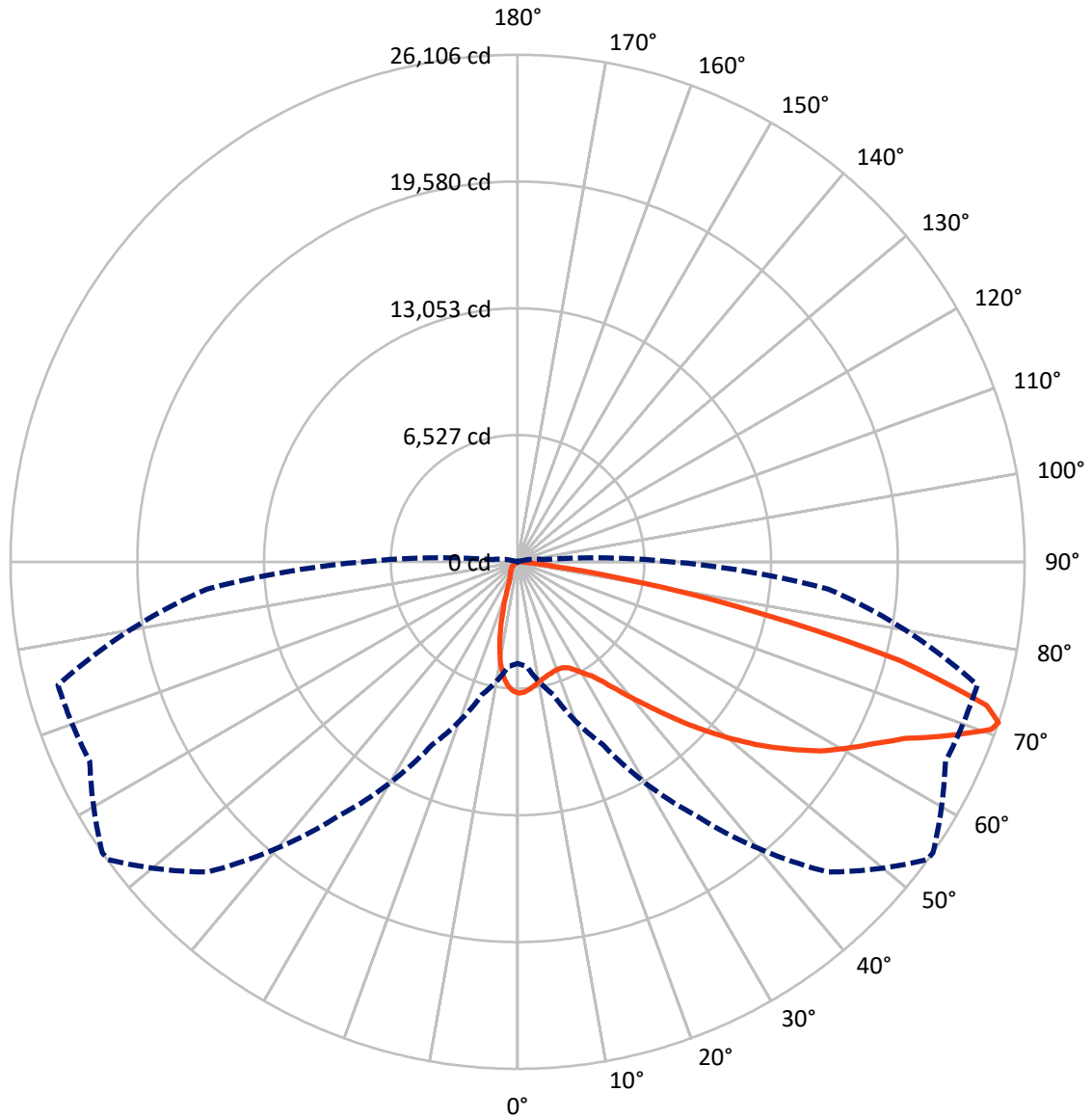
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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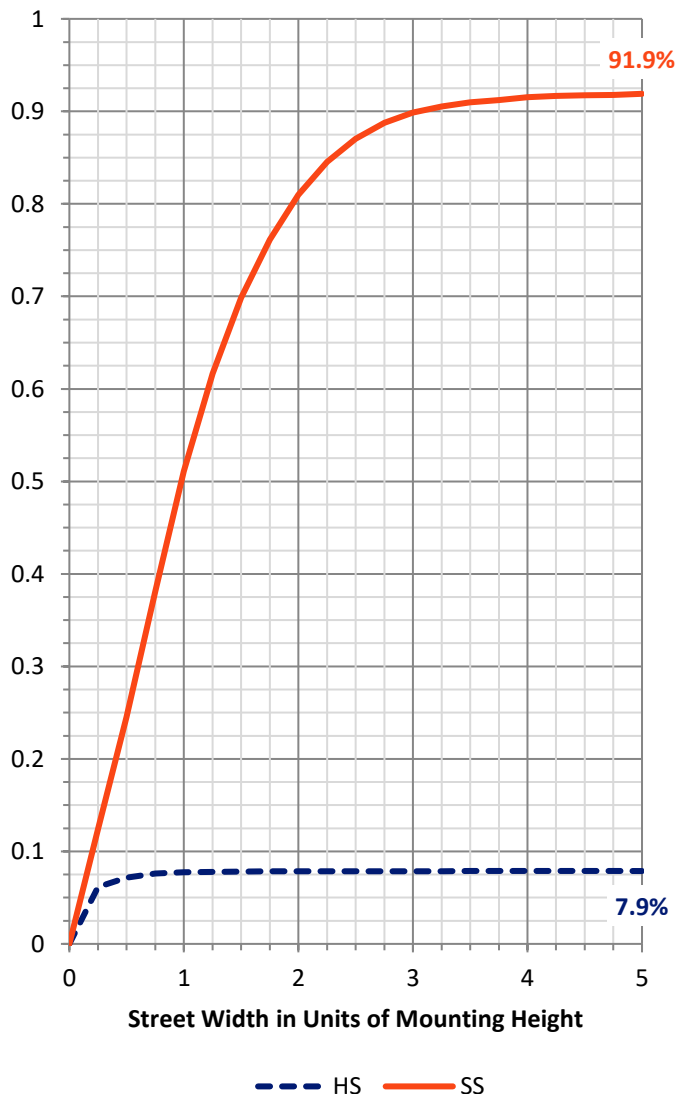
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2774.3	0.0	2774.3
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	32266.7	0.0	32266.7
	% Fixture	92.1	0.0	92.1
Total	Lumens	35041.0	0.0	35041.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.2	1.6
10°-20°	1300.8	3.7
20°-30°	2090.4	6.0
30°-40°	3551.7	10.1
40°-50°	5512.7	15.7
50°-60°	7411.7	21.2
60°-70°	9067.0	25.9
70°-80°	5301.3	15.1
80°-90°	229.2	0.7
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°	35041.0	100.0
0°-180°	35041.0	100.0

Coefficient of Utilization

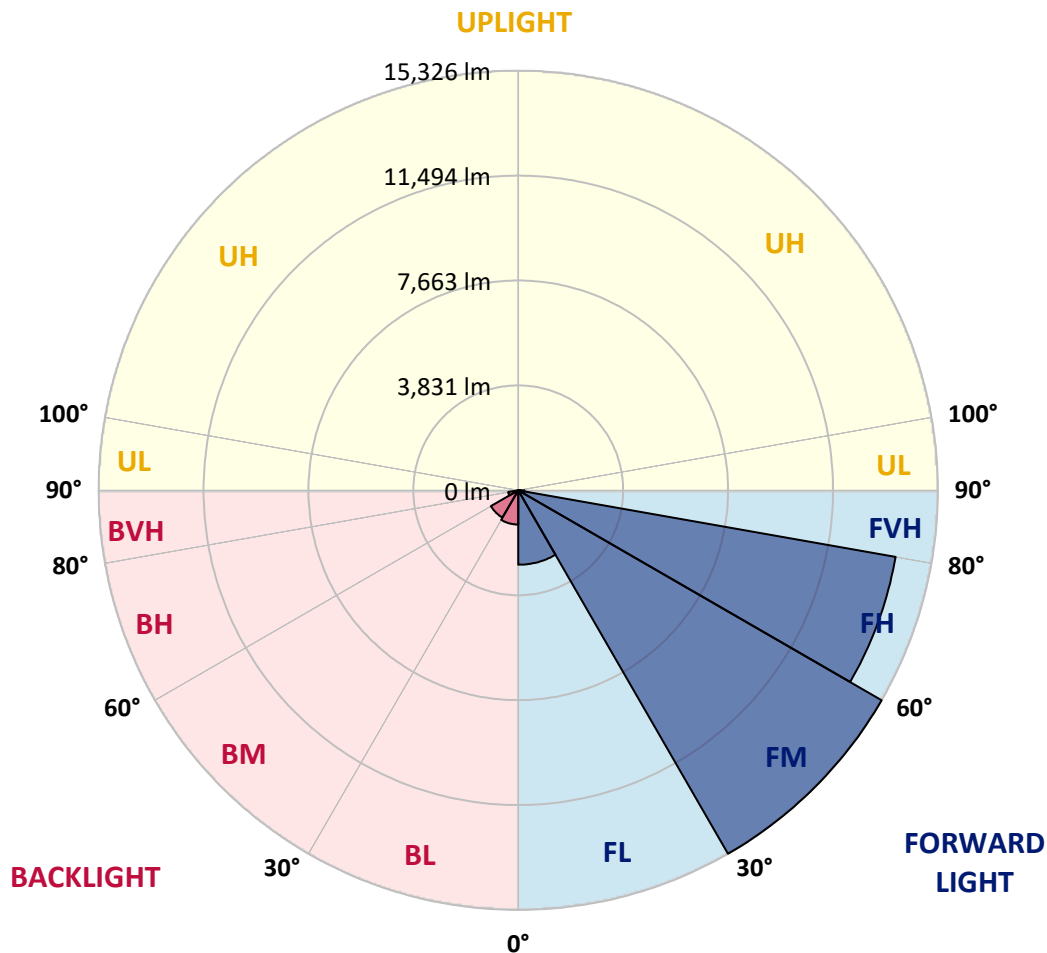


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2718.7	7.8			
FM (30°-60°)	15325.9	43.7			
FH (60°-80°)	13996.6	39.9			G5
FVH (80°-90°)	225.5	0.6			G3/500
BL (0°-30°)	1248.7	3.6	B3/2500		
BM (30°-60°)	1150.3	3.3	B2/2500		
BH (60°-80°)	371.7	1.1	B1/500		G1/500
BVH (80°-90°)	3.6	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6757.8	6757.8	6757.8	6757.8	6757.8	6757.8	6757.8	6757.8	6757.8	6757.8	6757.8
2.5°	6559.5	6567.4	6595.7	6608.3	6638.2	6688.6	6713.7	6715.3	6756.2	6771.9	6784.5
5°	6095.4	6142.6	6189.8	6240.1	6331.4	6452.5	6572.1	6583.1	6715.3	6812.9	6864.8
7.5°	5695.7	5738.2	5794.9	5875.1	6004.1	6194.5	6394.3	6417.9	6668.1	6889.9	7006.4
10°	5285.1	5319.7	5401.5	5519.5	5697.3	5952.2	6221.3	6260.6	6625.6	6993.8	7198.3
12.5°	4846.1	4866.5	4965.7	5135.6	5396.8	5720.9	6074.9	6126.8	6598.9	7113.4	7424.9
15°	4512.5	4522.0	4616.4	4792.6	5091.5	5513.2	5961.6	6024.6	6605.2	7256.6	7671.9
17.5°	4427.6	4432.3	4482.6	4603.8	4868.1	5327.6	5872.0	5949.1	6624.0	7396.6	7920.5
20°	4772.1	4739.1	4687.2	4668.3	4781.6	5215.8	5818.5	5905.0	6649.2	7520.9	8144.0
22.5°	5717.8	5620.2	5404.7	5116.7	4942.1	5223.7	5832.6	5919.2	6729.5	7673.5	8402.0
25°	7121.2	6985.9	6619.3	6052.9	5508.5	5450.3	5950.6	6038.7	6885.2	7856.0	8649.0
27.5°	8718.2	8584.5	8136.1	7327.4	6399.0	5898.7	6221.3	6303.1	7116.5	8018.1	8837.8
30°	10247.6	10209.8	9681.2	8762.3	7519.3	6625.6	6570.5	6639.8	7288.0	8115.6	8987.3
32.5°	11544.1	11484.3	11059.5	10165.8	8801.6	7498.9	6981.2	7001.7	7417.0	8241.5	9182.4
35°	12746.2	12672.2	12299.3	11454.4	10117.0	8565.6	7613.7	7583.8	7698.7	8494.8	9465.6
37.5°	13795.6	13863.3	13449.5	12645.5	11297.1	9674.9	8466.5	8376.8	8139.2	8907.1	9876.3
40°	14673.6	14673.6	14458.0	13787.8	12571.5	10821.9	9431.0	9313.0	8801.6	9542.7	10397.1
42.5°	14989.8	15057.5	15137.7	14758.6	13712.2	12014.5	10505.6	10382.9	9734.7	10444.3	11054.8
45°	15008.7	15115.7	15526.4	15524.8	14742.8	13199.3	11717.2	11658.9	10930.5	11602.3	11869.8
47.5°	14742.8	14876.6	15553.1	15937.0	15559.4	14302.3	13042.0	12969.6	12335.5	13021.5	12722.6
50°	14332.2	14480.1	15266.8	16099.1	16114.8	15262.0	14437.6	14329.0	13882.2	14643.7	13603.7
52.5°	13597.4	13883.7	15010.3	16136.9	16479.9	16091.2	15765.5	15718.3	15612.9	16206.1	14305.4
55°	12025.5	12343.4	14366.8	16149.4	16818.1	16826.0	17010.1	17022.7	17235.1	17666.2	14827.8
57.5°	11282.9	11462.3	13243.4	16209.2	17320.1	17659.9	18278.3	18375.8	18704.7	19052.4	15424.1
60°	10815.6	11028.0	12689.5	16127.4	18108.3	18753.4	19453.6	19486.6	19839.1	20482.6	16231.3
62.5°	10442.7	10652.0	12340.2	15812.7	18994.2	20068.8	20602.2	20605.3	20869.7	22186.6	17148.6
65°	9522.3	9698.5	11633.8	15458.7	19579.5	21370.0	21936.4	21916.0	22131.5	23983.4	18213.8
67.5°	8191.2	8326.5	10191.0	14116.6	19359.2	22553.2	23950.4	23882.7	23621.6	25536.4	18632.3
70°	6333.0	6381.7	8032.2	11764.4	17294.9	23007.9	25896.7	25862.1	24535.7	25257.9	17098.2
71°	5234.7	5395.2	7078.8	10382.9	15911.9	22587.8	26085.5	26106.0	24306.0	24499.5	16042.5
72.5°	3039.8	3176.7	5130.9	7974.0	13509.3	20835.1	25106.9	25254.8	23232.9	22284.2	13702.8
75°	651.4	697.0	1902.2	3859.6	7431.2	14602.8	19817.1	20344.2	18936.0	15159.8	8258.8
77.5°	453.1	489.3	815.0	1751.2	2456.1	7215.6	12310.3	12905.1	11312.8	5697.3	2643.3
80°	358.7	399.6	635.7	865.4	664.0	2327.1	5766.5	6130.0	3773.0	1271.3	445.3
82.5°	199.8	237.6	495.6	467.3	254.9	442.1	1614.3	1825.2	755.2	256.5	105.4
85°	58.2	70.8	319.4	339.9	108.6	85.0	275.3	341.4	143.2	67.7	47.2
87.5°	0.0	0.0	154.2	130.6	31.5	12.6	25.2	28.3	28.3	28.3	31.5
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°	6757.8	6757.8	6757.8	6757.8	6757.8	6757.8	6757.8	6757.8	6757.8	6757.8	6757.8
2.5°	6784.5	6795.5	6756.2	6704.3	6649.2	6581.6	6510.8	6455.7	6454.1	6427.4	6400.6
5°	6867.9	6861.6	6753.1	6587.9	6392.8	6189.8	5996.3	5777.6	5705.2	5615.5	5585.6
7.5°	7022.1	6978.1	6748.3	6386.5	5958.5	5533.7	5094.7	4652.6	4463.8	4293.8	4263.9
10°	7215.6	7132.3	6718.4	6084.4	5299.2	4515.7	3853.3	3252.2	2987.9	2784.9	2775.5
12.5°	7417.0	7289.6	6635.1	5628.1	4435.4	3334.0	2570.9	1979.3	1759.1	1617.5	1630.0
15°	7627.9	7437.5	6455.7	5012.9	3452.1	2262.6	1579.7	1232.0	1143.9	1107.7	1117.1
17.5°	7843.4	7539.8	6205.5	4271.8	2481.3	1460.1	1093.5	996.0	996.0	1003.8	1007.0
20°	8030.7	7594.8	5837.3	3441.0	1682.0	1063.6	956.6	942.5	950.3	962.9	964.5
22.5°	8216.3	7598.0	5357.5	2599.3	1176.9	931.5	911.0	904.7	909.4	923.6	925.2
25°	8367.4	7560.2	4756.4	1848.8	939.3	878.0	868.5	865.4	868.5	885.8	885.8
27.5°	8428.7	7423.3	4023.2	1299.6	841.8	818.2	815.0	818.2	822.9	835.5	837.1
30°	8435.0	7184.2	3223.9	940.9	763.1	737.9	744.2	755.2	750.5	747.4	750.5
32.5°	8450.8	6907.3	2445.1	774.1	697.0	657.7	649.8	649.8	630.9	619.9	613.6
35°	8502.7	6581.6	1773.2	695.4	629.4	583.7	553.8	519.2	483.0	464.2	459.4
37.5°	8584.5	6240.1	1269.7	643.5	569.6	517.7	461.0	399.6	347.7	333.6	333.6
40°	8734.0	5887.7	939.3	602.6	522.4	457.9	372.9	292.7	245.5	237.6	237.6
42.5°	8970.0	5516.4	748.9	566.4	481.5	396.5	284.8	212.4	177.8	173.1	171.5
45°	9215.4	5107.3	654.5	531.8	437.4	325.7	210.8	157.3	136.9	132.2	132.2
47.5°	9460.9	4671.4	608.9	498.8	394.9	253.3	157.3	124.3	114.9	114.9	116.4
50°	9668.6	4216.7	575.9	462.6	339.9	192.0	124.3	105.4	102.3	108.6	110.1
52.5°	9720.5	3769.9	535.0	417.0	272.2	146.3	102.3	92.8	92.8	92.8	92.8
55°	9689.0	3423.7	481.5	360.3	201.4	116.4	88.1	81.8	80.2	80.2	80.2
57.5°	9796.0	3219.2	385.5	280.1	144.8	94.4	77.1	72.4	69.2	67.7	67.7
60°	10011.6	3085.5	275.3	201.4	108.6	78.7	66.1	61.4	56.6	53.5	53.5
62.5°	10297.9	2969.0	204.5	149.5	83.4	62.9	55.1	50.3	44.1	40.9	40.9
65°	10518.2	2761.3	155.8	111.7	62.9	50.3	42.5	40.9	31.5	28.3	26.7
67.5°	10181.5	2305.0	125.9	81.8	47.2	39.3	33.0	31.5	18.9	15.7	15.7
70°	8732.4	1604.9	100.7	59.8	34.6	31.5	26.7	20.5	14.2	12.6	12.6
71°	7919.0	1340.5	91.3	50.3	29.9	29.9	25.2	17.3	12.6	11.0	11.0
72.5°	6578.4	951.9	77.1	39.3	26.7	31.5	26.7	15.7	12.6	11.0	9.4
75°	3818.7	398.1	53.5	26.7	20.5	37.8	34.6	14.2	9.4	7.9	7.9
77.5°	1148.6	146.3	29.9	17.3	15.7	33.0	39.3	12.6	4.7	1.6	1.6
80°	209.3	62.9	18.9	11.0	11.0	20.5	29.9	6.3	0.0	0.0	0.0
82.5°	74.0	31.5	11.0	6.3	4.7	9.4	14.2	0.0	0.0	0.0	0.0
85°	42.5	22.0	6.3	3.1	0.0	1.6	3.1	0.0	0.0	0.0	0.0
87.5°	28.3	6.3	0.0	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)