

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: P321564

Luminaire Tested: **GAN-SA0B-730-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321564
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-SA0B-730-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 800mA 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: 39618 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

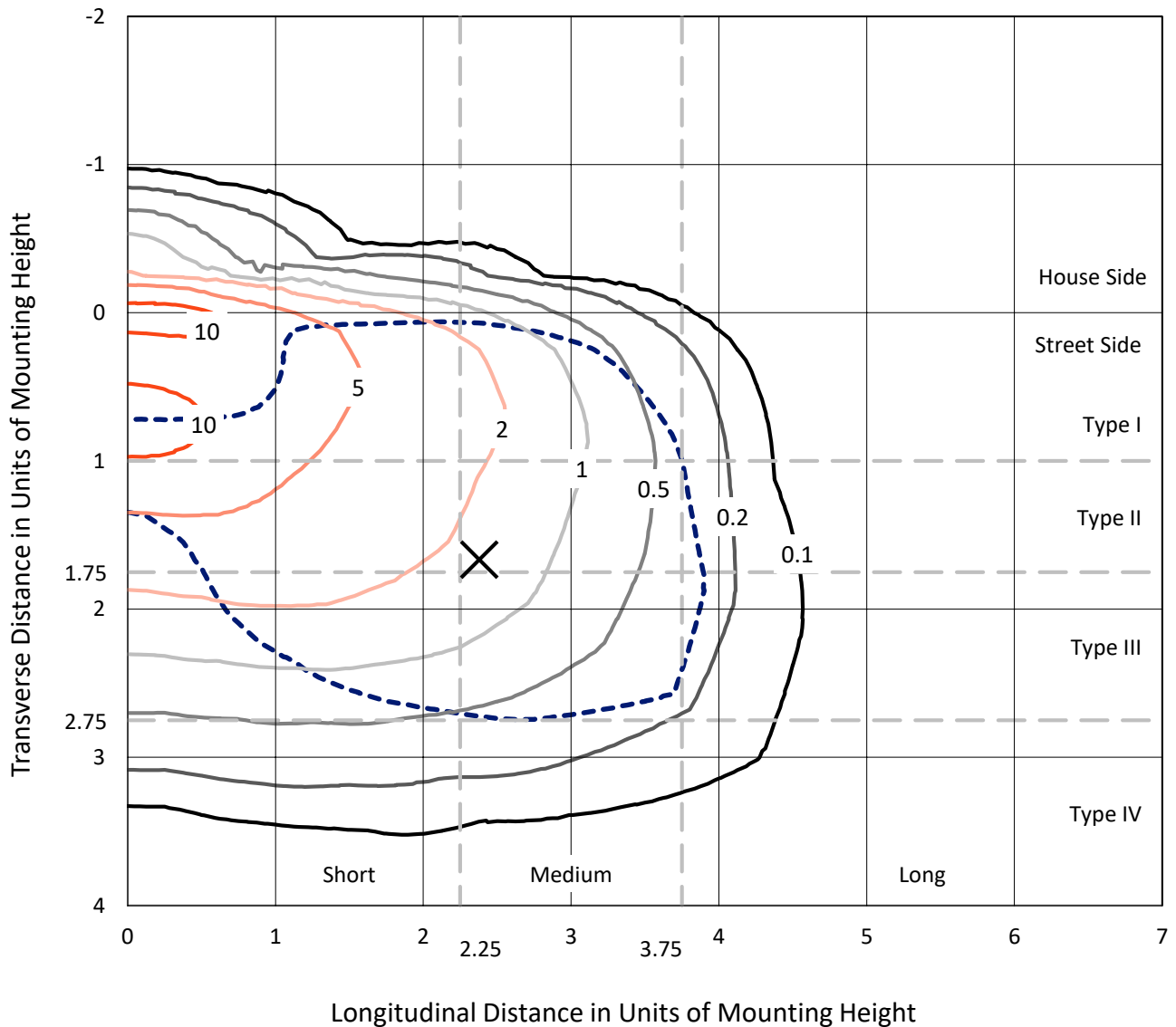
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

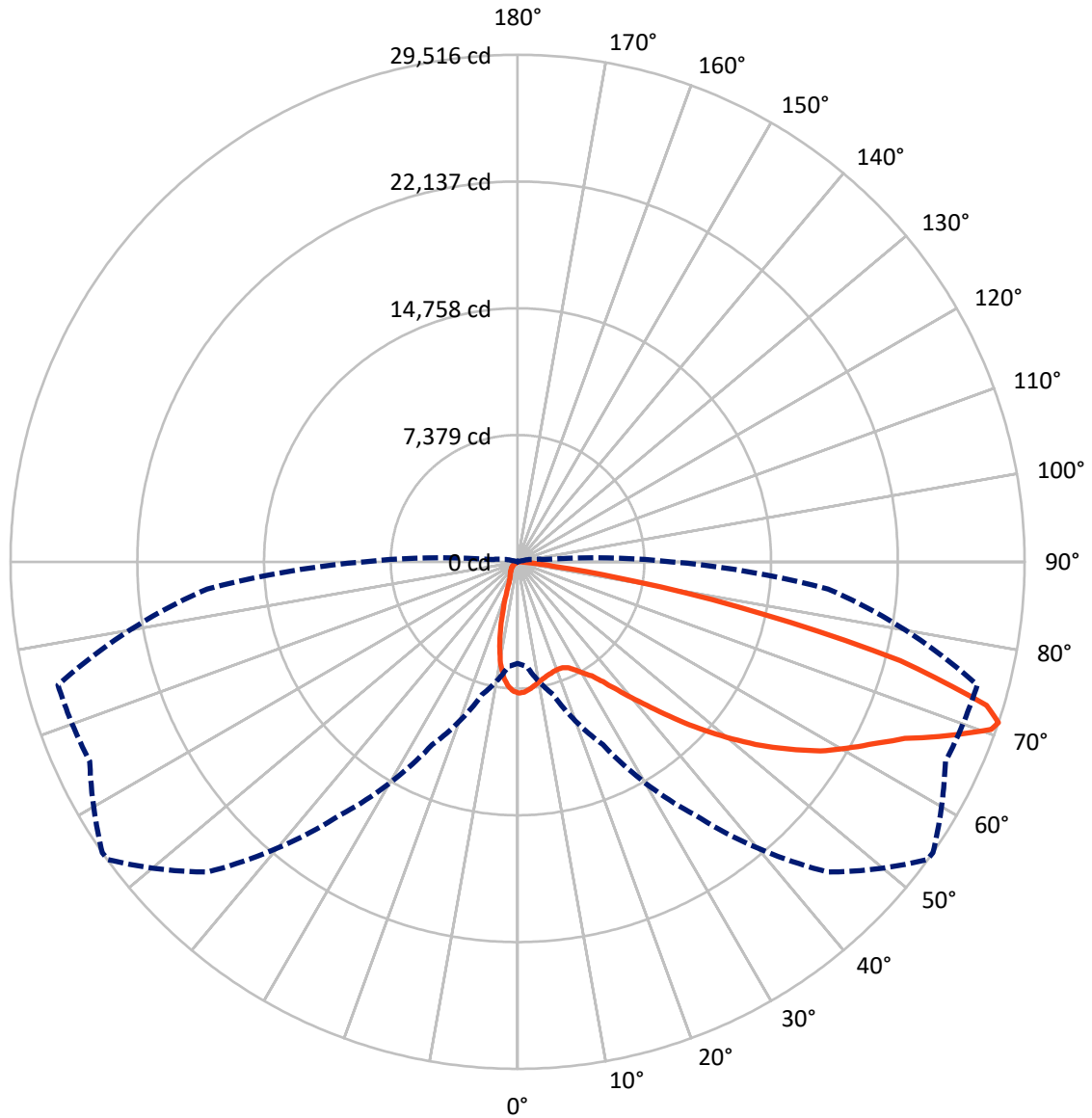
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
 Type III - 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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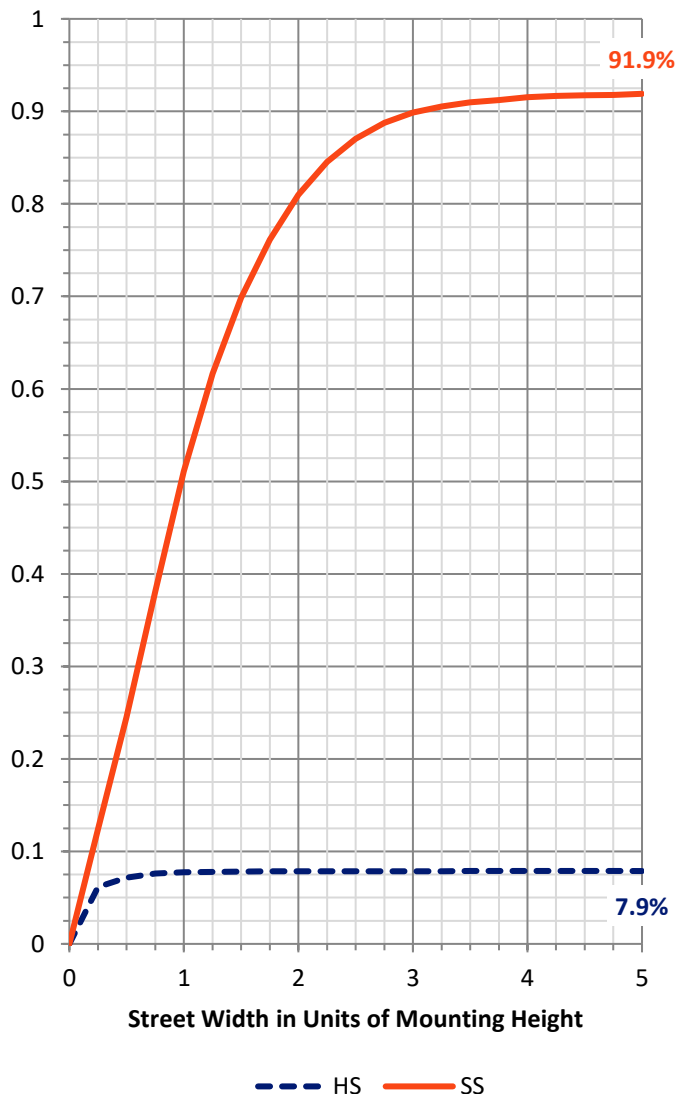
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3136.7	0.0	3136.7
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	36481.3	0.0	36481.3
	% Fixture	92.1	0.0	92.1
Total	Lumens	39618.0	0.0	39618.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	651.5	1.6
10°-20°	1470.7	3.7
20°-30°	2363.5	6.0
30°-40°	4015.6	10.1
40°-50°	6232.8	15.7
50°-60°	8379.8	21.2
60°-70°	10251.3	25.9
70°-80°	5993.7	15.1
80°-90°	259.1	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°	39618.0	100.0
0°-180°	39618.0	100.0

Coefficient of Utilization

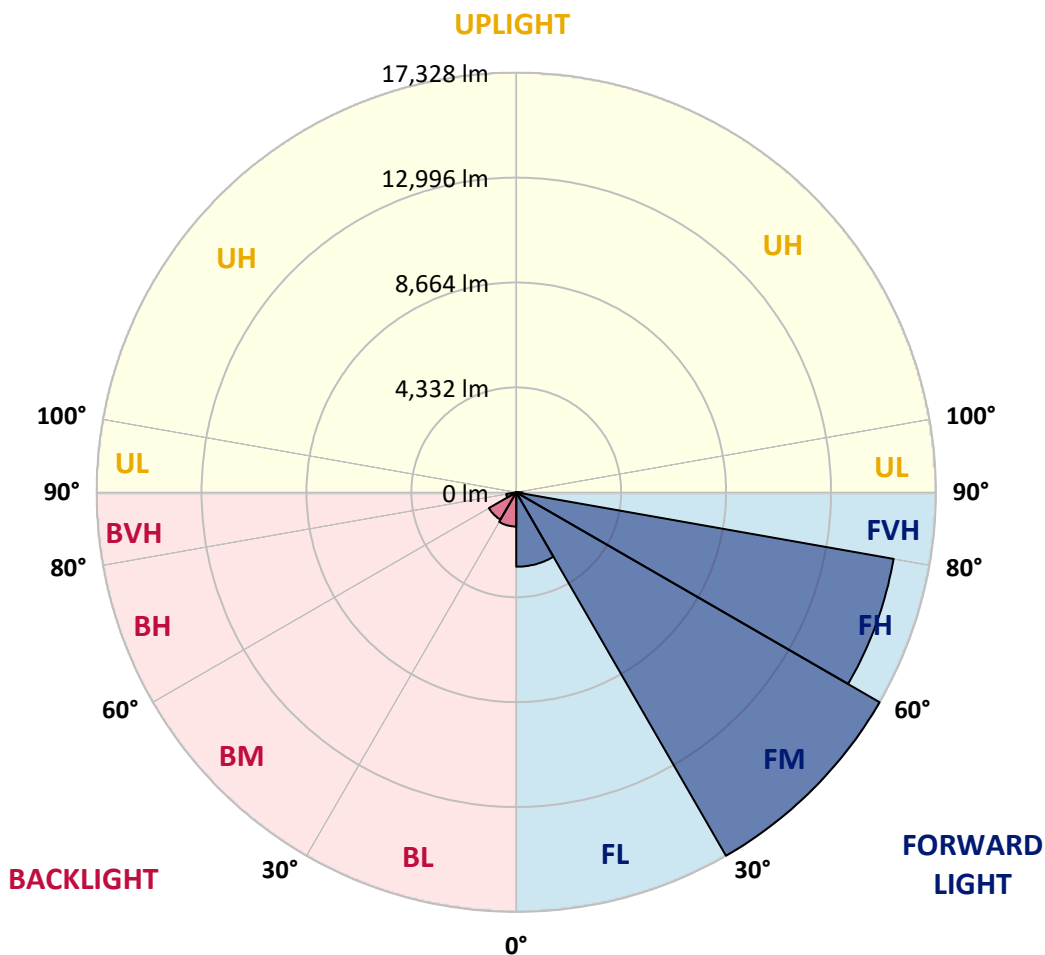


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3073.8	7.8			
FM (30°-60°)	17327.8	43.7			
FH (60°-80°)	15824.8	39.9			G5
FVH (80°-90°)	255.0	0.6			G3/500
BL (0°-30°)	1411.8	3.6	B3/2500		
BM (30°-60°)	1300.5	3.3	B2/2500		
BH (60°-80°)	420.2	1.1	B1/500		G1/500
BVH (80°-90°)	4.1	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°	7640.5	7640.5	7640.5	7640.5	7640.5	7640.5	7640.5	7640.5	7640.5	7640.5	7640.5
2.5°	7416.3	7425.2	7457.2	7471.5	7505.3	7562.2	7590.7	7592.4	7638.7	7656.5	7670.7
5°	6891.5	6944.9	6998.3	7055.2	7158.4	7295.4	7430.6	7443.0	7592.4	7702.7	7761.4
7.5°	6439.7	6487.7	6551.8	6642.5	6788.4	7003.6	7229.5	7256.2	7539.1	7789.9	7921.5
10°	5975.4	6014.5	6107.0	6240.5	6441.5	6729.7	7033.9	7078.3	7491.0	7907.3	8138.6
12.5°	5479.1	5502.2	5614.3	5806.4	6101.7	6468.2	6868.4	6927.1	7460.8	8042.5	8394.7
15°	5102.0	5112.6	5219.4	5418.6	5756.6	6233.3	6740.3	6811.5	7467.9	8204.4	8674.0
17.5°	5005.9	5011.2	5068.2	5205.1	5504.0	6023.4	6638.9	6726.1	7489.3	8362.7	8955.1
20°	5395.5	5358.1	5299.4	5278.1	5406.1	5897.1	6578.5	6676.3	7517.7	8503.3	9207.7
22.5°	6464.6	6354.3	6110.6	5785.1	5587.6	5906.0	6594.5	6692.3	7608.5	8675.8	9499.4
25°	8051.4	7898.4	7483.9	6843.5	6228.0	6162.2	6727.9	6827.5	7784.6	8882.2	9778.7
27.5°	9857.0	9705.8	9198.8	8284.4	7234.9	6669.2	7033.9	7126.4	8046.1	9065.4	9992.2
30°	11586.1	11543.4	10945.7	9906.8	8501.5	7491.0	7428.8	7507.1	8240.0	9175.7	10161.2
32.5°	13052.0	12984.4	12504.0	11493.6	9951.3	8478.3	7893.1	7916.2	8385.8	9318.0	10381.8
35°	14411.1	14327.4	13905.8	12950.6	11438.5	9684.5	8608.2	8574.4	8704.3	9604.4	10702.0
37.5°	15597.6	15674.1	15206.2	14297.2	12772.7	10938.6	9572.4	9471.0	9202.4	10070.5	11166.3
40°	16590.2	16590.2	16346.5	15588.7	14213.6	12235.4	10662.9	10529.4	9951.3	10789.2	11755.1
42.5°	16947.8	17024.3	17115.0	16686.3	15503.3	13583.9	11877.9	11739.1	11006.2	11808.5	12498.7
45°	16969.1	17090.1	17554.4	17552.6	16668.5	14923.4	13247.6	13181.8	12358.2	13117.8	13420.2
47.5°	16668.5	16819.7	17584.7	18018.7	17591.8	16170.4	14745.5	14663.7	13946.8	14722.4	14384.4
50°	16204.2	16371.4	17260.9	18201.9	18219.7	17255.6	16323.4	16200.6	15695.4	16556.4	15380.6
52.5°	15373.5	15697.2	16970.9	18244.6	18632.4	18193.0	17824.8	17771.4	17652.3	18322.9	16174.0
55°	13596.3	13955.6	16243.3	18258.9	19014.9	19023.8	19231.9	19246.2	19486.3	19973.7	16764.6
57.5°	12756.7	12959.5	14973.2	18326.5	19582.4	19966.6	20665.7	20776.0	21147.8	21541.0	17438.8
60°	12228.3	12468.5	14347.0	18234.0	20473.6	21203.0	21994.6	22032.0	22430.4	23158.0	18351.4
62.5°	11806.7	12043.3	13952.1	17878.2	21475.2	22690.2	23293.2	23296.8	23595.6	25084.6	19388.5
65°	10766.0	10965.3	13153.4	17477.9	22136.9	24161.3	24801.7	24778.6	25022.3	27116.1	20592.8
67.5°	9261.1	9414.1	11522.1	15960.5	21887.9	25499.1	27078.8	27002.3	26707.0	28871.9	21066.0
70°	7160.2	7215.3	9081.4	13301.0	19553.9	26013.2	29279.3	29240.2	27740.5	28557.0	19331.6
71°	5918.5	6099.9	8003.4	11739.1	17990.2	25538.2	29492.8	29515.9	27480.8	27699.6	18137.9
72.5°	3436.9	3591.6	5801.1	9015.6	15273.8	23556.5	28386.3	28553.5	26267.6	25194.9	15492.6
75°	736.5	788.1	2150.7	4363.7	8401.9	16510.2	22405.5	23001.5	21409.3	17139.9	9337.6
77.5°	512.3	553.2	921.5	1979.9	2776.9	8158.1	13918.3	14590.7	12790.5	6441.5	2988.6
80°	405.6	451.8	718.7	978.4	750.7	2631.0	6519.8	6930.7	4265.9	1437.4	503.4
82.5°	225.9	268.6	560.4	528.3	288.2	499.9	1825.2	2063.6	853.9	290.0	119.2
85°	65.8	80.1	361.1	384.2	122.7	96.1	311.3	386.0	161.9	76.5	53.4
87.5°	0.0	0.0	174.3	147.7	35.6	14.2	28.5	32.0	32.0	32.0	35.6
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°	7640.5	7640.5	7640.5	7640.5	7640.5	7640.5	7640.5	7640.5	7640.5	7640.5	7640.5
2.5°	7670.7	7683.2	7638.7	7580.0	7517.7	7441.2	7361.2	7298.9	7297.1	7266.9	7236.7
5°	7765.0	7757.9	7635.1	7448.3	7227.8	6998.3	6779.5	6532.2	6450.4	6349.0	6315.2
7.5°	7939.3	7889.5	7629.8	7220.6	6736.8	6256.5	5760.2	5260.3	5046.8	4854.7	4820.9
10°	8158.1	8063.9	7596.0	6879.1	5991.4	5105.5	4356.6	3677.0	3378.2	3148.7	3138.0
12.5°	8385.8	8241.7	7501.7	6363.2	5014.8	3769.5	2906.8	2237.9	1988.8	1828.7	1843.0
15°	8624.2	8409.0	7298.9	5667.6	3903.0	2558.1	1786.0	1392.9	1293.3	1252.4	1263.0
17.5°	8867.9	8524.6	7016.1	4829.8	2805.4	1650.8	1236.4	1126.1	1126.1	1135.0	1138.5
20°	9079.6	8586.9	6599.8	3890.5	1901.7	1202.6	1081.6	1065.6	1074.5	1088.7	1090.5
22.5°	9289.5	8590.4	6057.2	2938.8	1330.6	1053.1	1030.0	1022.9	1028.2	1044.2	1046.0
25°	9460.3	8547.7	5377.7	2090.2	1062.0	992.6	982.0	978.4	982.0	1001.5	1001.5
27.5°	9529.7	8393.0	4548.7	1469.4	951.7	925.0	921.5	925.0	930.4	944.6	946.4
30°	9536.8	8122.6	3645.0	1063.8	862.8	834.3	841.4	853.9	848.5	845.0	848.5
32.5°	9554.6	7809.5	2764.4	875.2	788.1	743.6	734.7	734.7	713.3	700.9	693.8
35°	9613.3	7441.2	2004.8	786.3	711.6	660.0	626.2	587.0	546.1	524.8	519.4
37.5°	9705.8	7055.2	1435.6	727.6	644.0	585.3	521.2	451.8	393.1	377.1	377.1
40°	9874.8	6656.7	1062.0	681.3	590.6	517.7	421.6	330.9	277.5	268.6	268.6
42.5°	10141.6	6236.9	846.8	640.4	544.4	448.3	322.0	240.2	201.0	195.7	193.9
45°	10419.2	5774.4	740.0	601.3	494.5	368.2	238.4	177.9	154.8	149.4	149.4
47.5°	10696.7	5281.6	688.4	563.9	446.5	286.4	177.9	140.5	129.9	129.9	131.6
50°	10931.5	4767.5	651.1	523.0	384.2	217.0	140.5	119.2	115.6	122.7	124.5
52.5°	10990.2	4262.3	604.8	471.4	307.8	165.4	115.6	105.0	105.0	105.0	105.0
55°	10954.6	3870.9	544.4	407.4	227.7	131.6	99.6	92.5	90.7	90.7	90.7
57.5°	11075.6	3639.7	435.8	316.6	163.7	106.7	87.2	81.8	78.3	76.5	76.5
60°	11319.3	3488.5	311.3	227.7	122.7	88.9	74.7	69.4	64.0	60.5	60.5
62.5°	11643.0	3356.8	231.3	169.0	94.3	71.2	62.3	56.9	49.8	46.3	46.3
65°	11892.1	3122.0	176.1	126.3	71.2	56.9	48.0	46.3	35.6	32.0	30.2
67.5°	11511.4	2606.1	142.3	92.5	53.4	44.5	37.4	35.6	21.3	17.8	17.8
70°	9873.0	1814.5	113.9	67.6	39.1	35.6	30.2	23.1	16.0	14.2	14.2
71°	8953.3	1515.6	103.2	56.9	33.8	33.8	28.5	19.6	14.2	12.5	12.5
72.5°	7437.7	1076.2	87.2	44.5	30.2	35.6	30.2	17.8	14.2	12.5	10.7
75°	4317.4	450.1	60.5	30.2	23.1	42.7	39.1	16.0	10.7	8.9	8.9
77.5°	1298.6	165.4	33.8	19.6	17.8	37.4	44.5	14.2	5.3	1.8	1.8
80°	236.6	71.2	21.3	12.5	12.5	23.1	33.8	7.1	0.0	0.0	0.0
82.5°	83.6	35.6	12.5	7.1	5.3	10.7	16.0	0.0	0.0	0.0	0.0
85°	48.0	24.9	7.1	3.6	0.0	1.8	3.6	0.0	0.0	0.0	0.0
87.5°	32.0	7.1	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)