

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: P323812

Luminaire Tested: **GAN-SA8C-730-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323812
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-SA8C-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 41898 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

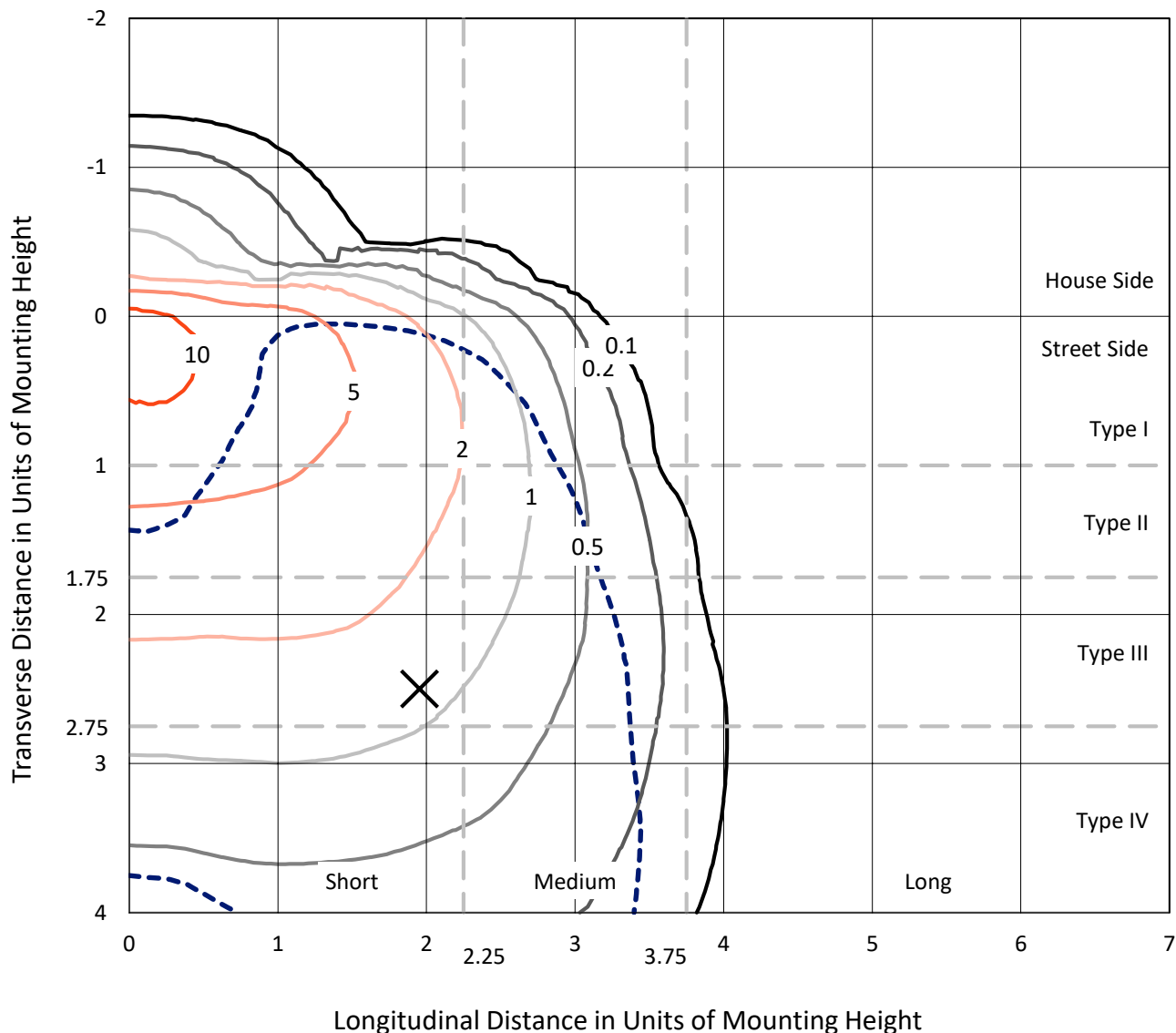
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

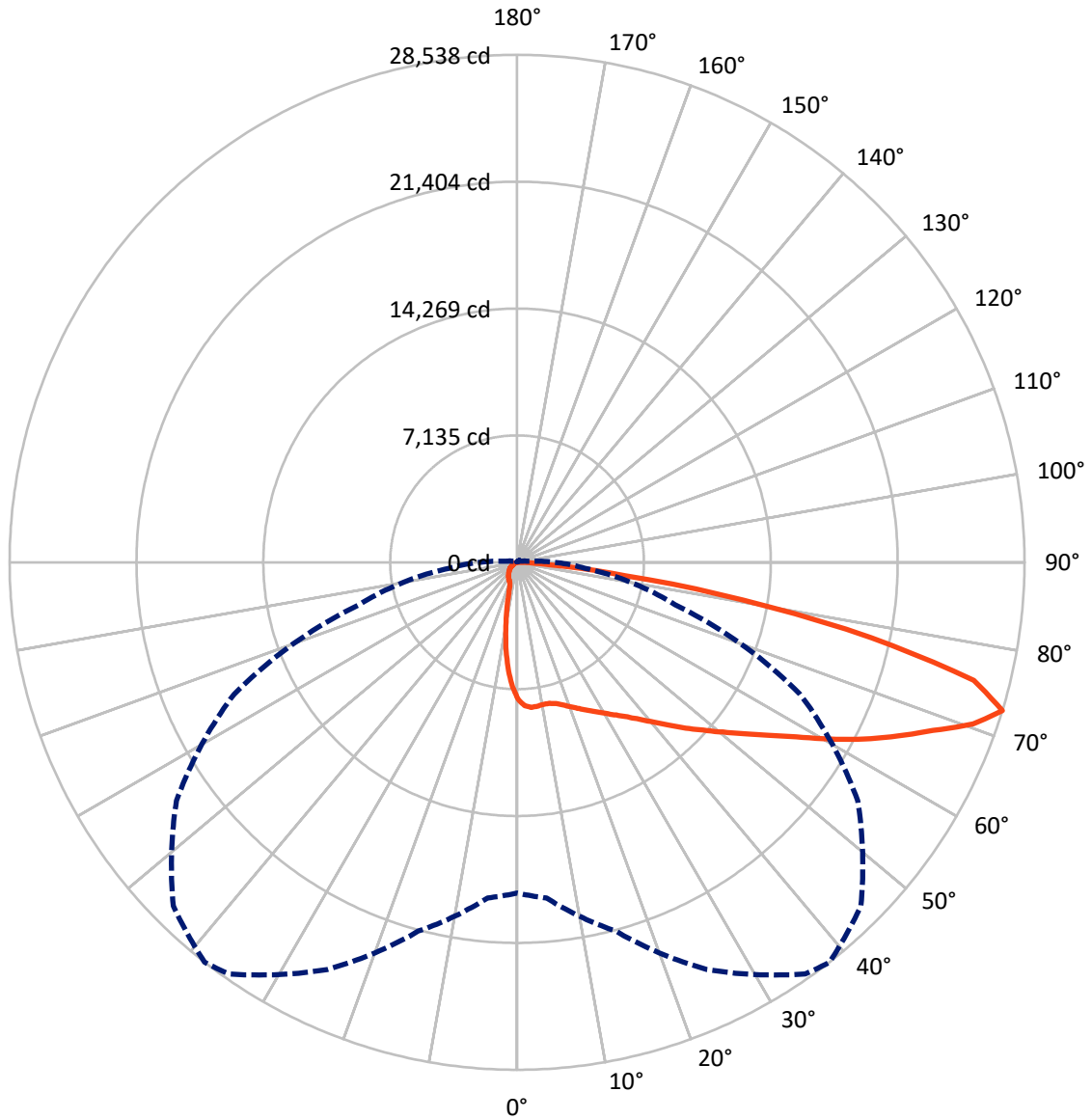
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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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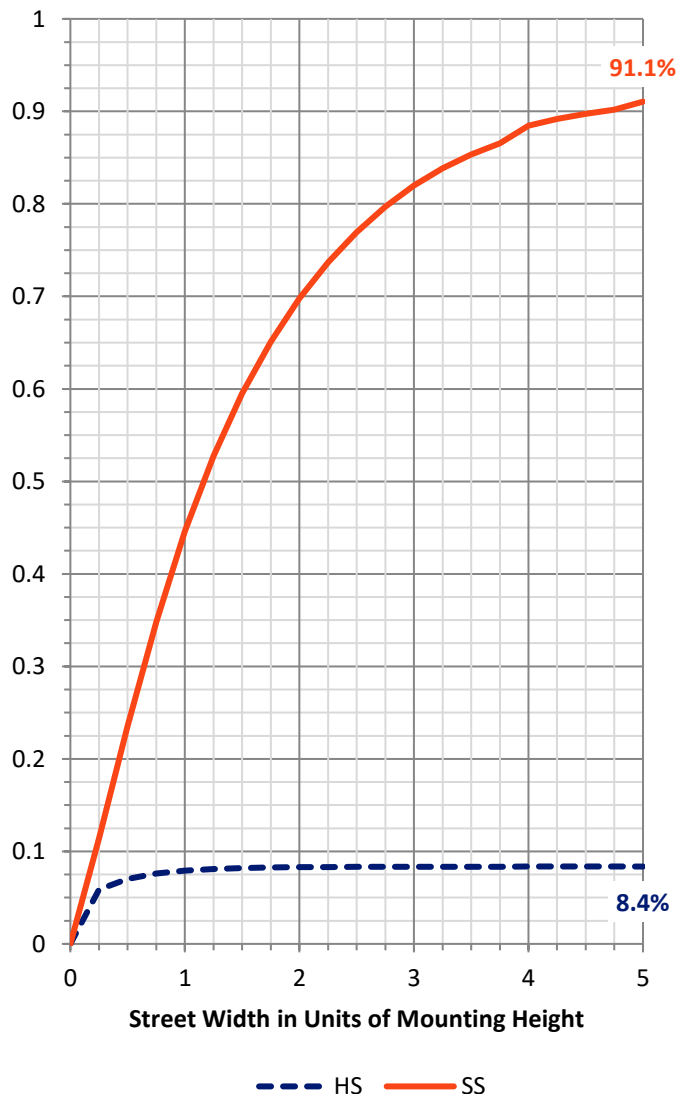
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3525.9	0.0	3525.9
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	38372.1	0.0	38372.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	41898.0	0.0	41898.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.6	1.6
10°-20°	1605.6	3.8
20°-30°	2553.6	6.1
30°-40°	3839.1	9.2
40°-50°	5856.7	14.0
50°-60°	8277.5	19.8
60°-70°	10382.8	24.8
70°-80°	7763.4	18.5
80°-90°	962.6	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°	41898.0	100.0
0°-180°	41898.0	100.0

Coefficient of Utilization

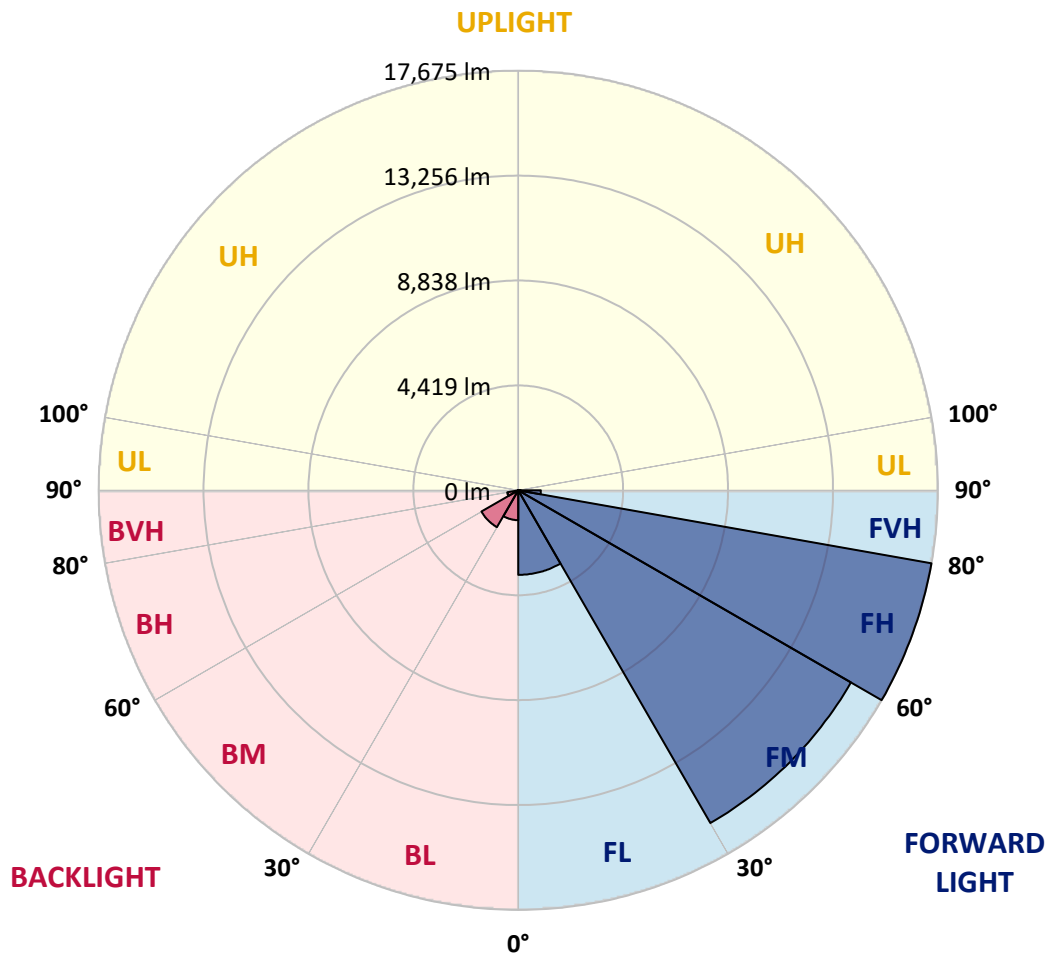


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3560.3	8.5			
FM (30°-60°)	16182.9	38.6			
FH (60°-80°)	17675.3	42.2			G5
FVH (80°-90°)	953.7	2.3			G5
BL (0°-30°)	1255.4	3.0	B3/2500		
BM (30°-60°)	1790.5	4.3	B2/2500		
BH (60°-80°)	471.0	1.1	B1/500		G1/500
BVH (80°-90°)	9.0	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°	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9
2.5°	8178.2	8179.9	8160.8	8129.5	8089.5	8068.6	8033.8	7978.1	7918.9	7812.8	7697.9
5°	8345.2	8345.2	8320.9	8279.1	8214.7	8195.6	8129.5	8040.7	7918.9	7746.7	7553.5
7.5°	8327.8	8331.3	8298.3	8254.8	8190.4	8173.0	8092.9	7993.8	7842.4	7633.6	7386.5
10°	8237.4	8246.1	8220.0	8199.1	8139.9	8120.8	8046.0	7946.8	7795.4	7572.7	7289.0
12.5°	8145.1	8153.8	8162.5	8181.7	8145.1	8138.2	8079.0	7995.5	7851.1	7619.6	7299.5
15°	8086.0	8103.4	8166.0	8240.8	8249.5	8242.6	8204.3	8126.0	7979.8	7739.7	7374.3
17.5°	8086.0	8113.8	8244.3	8387.0	8437.5	8442.7	8409.6	8300.0	8126.0	7868.5	7443.9
20°	8153.8	8192.1	8395.7	8597.5	8681.1	8681.1	8616.7	8463.6	8260.0	7985.1	7490.9
22.5°	8327.8	8378.3	8634.1	8867.3	8956.0	8936.9	8849.9	8627.1	8399.2	8117.3	7550.0
25°	8670.6	8708.9	8975.1	9210.0	9264.0	9220.5	9110.9	8825.5	8576.7	8296.5	7657.9
27.5°	9112.6	9117.8	9392.7	9591.1	9558.0	9528.5	9391.0	9074.3	8832.5	8552.3	7844.1
30°	9598.1	9598.1	9839.9	9991.3	9890.4	9866.0	9728.6	9375.3	9159.6	8900.3	8108.6
32.5°	10067.9	10088.8	10285.4	10381.1	10268.0	10243.6	10109.6	9756.4	9594.6	9431.0	8521.0
35°	10522.0	10537.7	10723.9	10776.1	10668.2	10675.2	10579.5	10280.2	10219.3	10198.4	9142.2
37.5°	10962.3	10965.7	11155.4	11188.5	11134.5	11193.7	11202.4	10937.9	11051.0	11219.8	10017.4
40°	11364.2	11367.7	11555.6	11640.9	11733.1	11809.7	11877.5	11736.6	12110.7	12502.2	11059.7
42.5°	11686.1	11722.7	11961.0	12122.9	12366.5	12512.6	12697.1	12690.1	13372.2	13960.4	12319.5
45°	11969.7	12032.4	12364.7	12648.4	13066.0	13299.1	13588.0	13814.2	14792.1	15583.8	13594.9
47.5°	12343.9	12403.0	12782.3	13246.9	13803.7	14110.0	14588.5	15077.5	16352.9	17177.7	14840.8
50°	12871.1	12845.0	13219.1	13885.5	14600.7	15002.6	15684.7	16417.3	17901.5	18566.2	15573.4
52.5°	13433.1	13422.7	13699.3	14579.8	15540.3	16010.1	16911.5	17802.4	19382.3	19523.3	15909.2
55°	14129.1	14054.3	14287.5	15371.5	16655.7	17160.3	18221.7	19173.5	20562.1	20062.7	16078.0
57.5°	14858.2	14734.7	14957.4	16253.7	17913.7	18510.6	19672.9	20509.9	21346.8	20431.6	16076.2
60°	15611.7	15465.5	15730.0	17356.9	19476.3	20167.1	21245.9	21413.0	22079.4	20617.8	15957.9
62.5°	16241.5	16154.5	16547.8	18536.7	21221.5	21900.2	22434.4	22234.3	22697.1	20762.2	15681.3
65°	16908.0	16913.2	17548.3	19913.0	23076.4	23534.1	23579.3	23299.2	23213.9	20732.6	14745.1
67.5°	17809.3	17892.8	18952.5	21781.8	24880.9	25234.1	25230.6	24452.8	23591.5	19556.3	12669.2
70°	18762.9	18959.5	20570.8	23920.4	26850.6	27209.0	27024.6	25187.1	22213.4	15813.5	8966.4
72.5°	18602.8	18943.8	21470.4	25268.9	28265.2	28538.4	27339.5	23382.7	17557.0	9190.9	3817.7
75°	14351.9	14746.9	19686.8	23932.5	26781.0	26535.6	23490.6	18195.6	9594.6	2564.8	859.6
77.5°	7581.4	7791.9	13005.1	18232.2	20882.2	20368.9	16547.8	10094.0	2925.0	635.1	386.3
80°	3970.8	4019.5	5667.3	10344.5	12888.5	12892.0	9806.9	4433.6	1205.8	325.4	259.3
82.5°	2126.3	2168.1	2994.6	4779.9	6753.1	6121.5	3755.0	2439.5	701.2	184.4	248.8
85°	511.6	520.3	1698.3	2183.8	2655.3	1896.6	1115.4	2048.0	189.7	107.9	201.8
87.5°	196.6	200.1	629.9	944.8	676.9	438.5	522.0	763.9	24.4	41.8	31.3
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°	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9	7704.9
2.5°	7628.3	7583.1	7471.7	7330.8	7205.5	7115.0	6979.3	6890.6	6831.4	6829.7	6807.0
5°	7435.2	7343.0	7102.8	6817.5	6558.2	6325.1	6050.1	5832.6	5670.8	5644.7	5589.0
7.5°	7228.1	7076.7	6707.9	6262.4	5827.4	5385.4	4872.1	4553.7	4280.5	4150.0	4136.1
10°	7101.1	6888.8	6365.1	5721.3	5039.2	4320.5	3648.9	3184.3	2848.4	2752.7	2681.4
12.5°	7075.0	6794.9	6100.6	5213.2	4238.7	3288.7	2545.7	2051.5	1783.5	1698.3	1675.7
15°	7101.1	6751.4	5877.9	4710.3	3427.9	2333.4	1708.7	1421.6	1320.7	1296.3	1294.6
17.5°	7116.8	6699.2	5625.6	4151.7	2641.4	1667.0	1308.5	1225.0	1209.3	1207.6	1211.1
20°	7115.0	6619.1	5324.5	3528.8	1964.5	1310.3	1183.2	1165.8	1162.3	1164.1	1162.3
22.5°	7102.8	6525.2	4993.9	2886.7	1484.3	1171.0	1129.3	1118.8	1117.1	1117.1	1117.1
25°	7125.5	6450.3	4630.3	2272.5	1223.2	1106.7	1080.6	1071.9	1070.1	1070.1	1066.6
27.5°	7207.3	6408.6	4231.8	1748.7	1104.9	1049.2	1028.4	1026.6	1021.4	1019.7	1023.1
30°	7339.5	6408.6	3795.0	1360.7	1033.6	990.1	974.4	970.9	969.2	967.5	969.2
32.5°	7572.7	6457.3	3318.3	1131.0	965.7	924.0	913.5	918.7	913.5	913.5	913.5
35°	7993.8	6603.5	2818.9	986.6	894.4	859.6	849.1	856.1	852.6	852.6	850.9
37.5°	8608.0	6874.9	2316.0	899.6	831.7	795.2	781.3	791.7	788.2	788.2	786.5
40°	9356.2	7269.9	1837.5	833.5	770.8	732.6	720.4	725.6	716.9	716.9	720.4
42.5°	10280.2	7771.0	1419.9	769.1	709.9	673.4	666.4	661.2	645.6	636.9	638.6
45°	11306.8	8293.0	1106.7	706.5	652.5	622.9	612.5	598.6	572.5	555.1	556.8
47.5°	12223.8	8695.0	899.6	645.6	600.3	577.7	562.0	535.9	497.7	476.8	478.5
50°	12705.8	8755.9	765.6	584.7	551.6	529.0	506.4	466.3	421.1	398.5	396.7
52.5°	12829.3	8470.5	666.4	529.0	502.9	476.8	447.2	393.2	342.8	318.4	314.9
55°	12874.6	8035.5	577.7	476.8	450.7	421.1	382.8	321.9	274.9	250.6	248.8
57.5°	12724.9	7386.5	508.1	429.8	398.5	361.9	314.9	257.5	212.3	193.1	193.1
60°	12392.6	6507.8	454.2	379.3	344.5	302.8	254.0	200.1	158.3	142.7	142.7
62.5°	11729.6	5369.8	403.7	327.1	294.1	250.6	205.3	151.4	111.4	102.7	104.4
65°	10478.5	4073.4	353.2	280.1	250.6	207.1	160.1	107.9	74.8	74.8	78.3
67.5°	8545.3	2829.3	301.0	238.4	215.8	168.8	121.8	74.8	52.2	59.2	66.1
70°	5656.9	1586.9	257.5	196.6	184.4	134.0	90.5	50.5	41.8	55.7	67.9
72.5°	2135.0	617.7	215.8	158.3	160.1	102.7	64.4	38.3	38.3	60.9	80.0
75°	595.1	302.8	154.9	116.6	125.3	74.8	47.0	33.1	36.5	69.6	94.0
77.5°	349.7	222.7	100.9	67.9	85.3	52.2	31.3	26.1	31.3	59.2	90.5
80°	281.9	118.3	59.2	34.8	47.0	29.6	20.9	15.7	8.7	22.6	47.0
82.5°	281.9	71.3	27.8	24.4	24.4	15.7	10.4	7.0	1.7	0.0	12.2
85°	189.7	29.6	17.4	15.7	12.2	5.2	3.5	1.7	0.0	0.0	0.0
87.5°	31.3	12.2	7.0	3.5	1.7	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)