

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: P324770

Luminaire Tested: **GAN-SA6C-730-U-AFL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324770
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-730-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31538 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

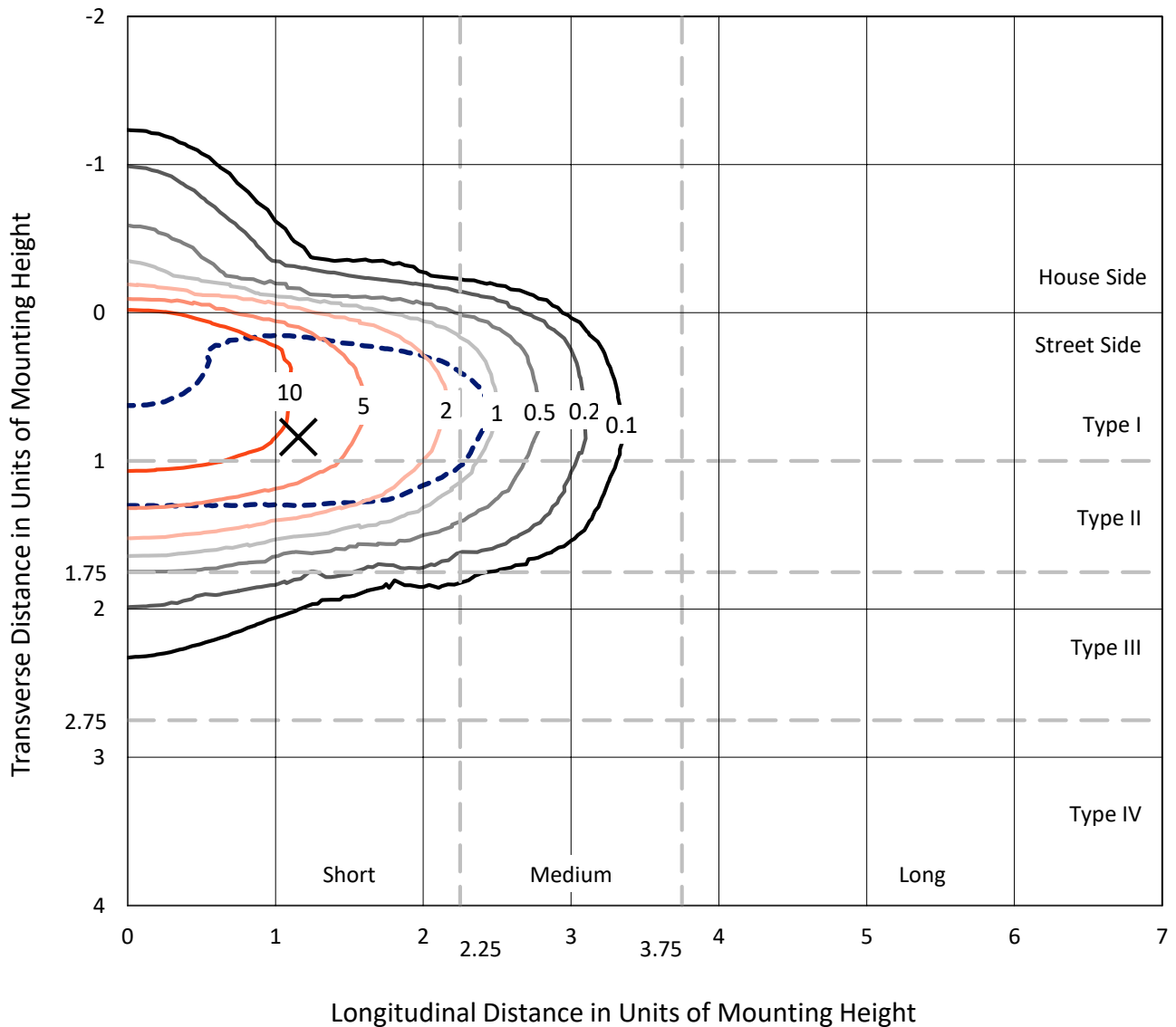
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

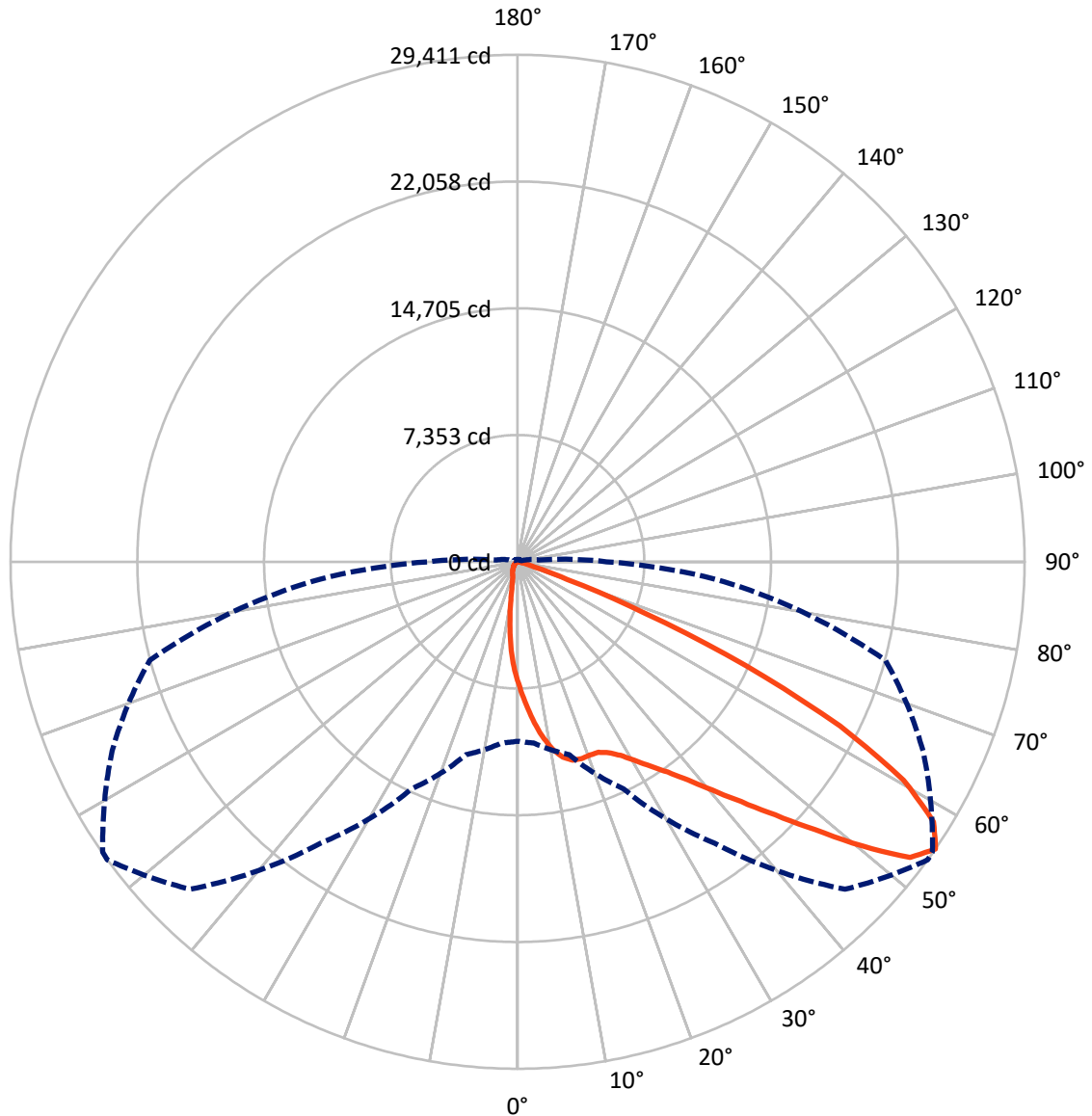
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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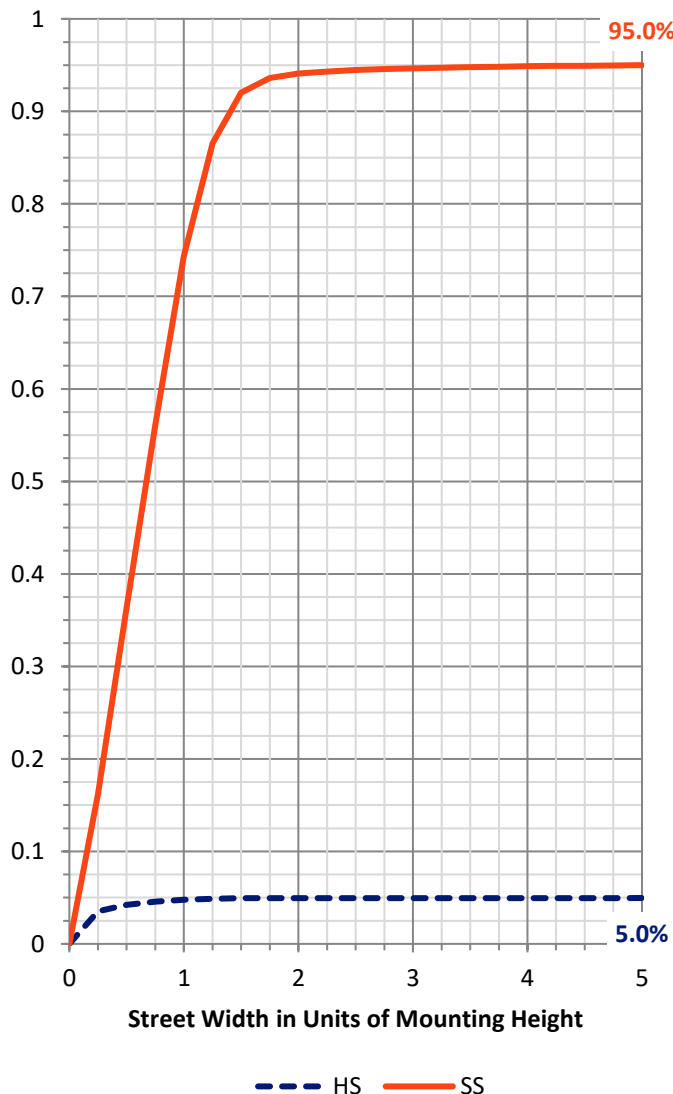
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1573.5	0.0	1573.5
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	29964.5	0.0	29964.5
	% Fixture	95.0	0.0	95.0
Total	Lumens	31538.0	0.0	31538.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	650.4	2.1
10°-20°	1783.9	5.7
20°-30°	3045.6	9.7
30°-40°	4887.7	15.5
40°-50°	7810.6	24.8
50°-60°	8369.3	26.5
60°-70°	4297.1	13.6
70°-80°	650.9	2.1
80°-90°	42.4	0.1
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°	31538.0	100.0
0°-180°	31538.0	100.0

Coefficient of Utilization

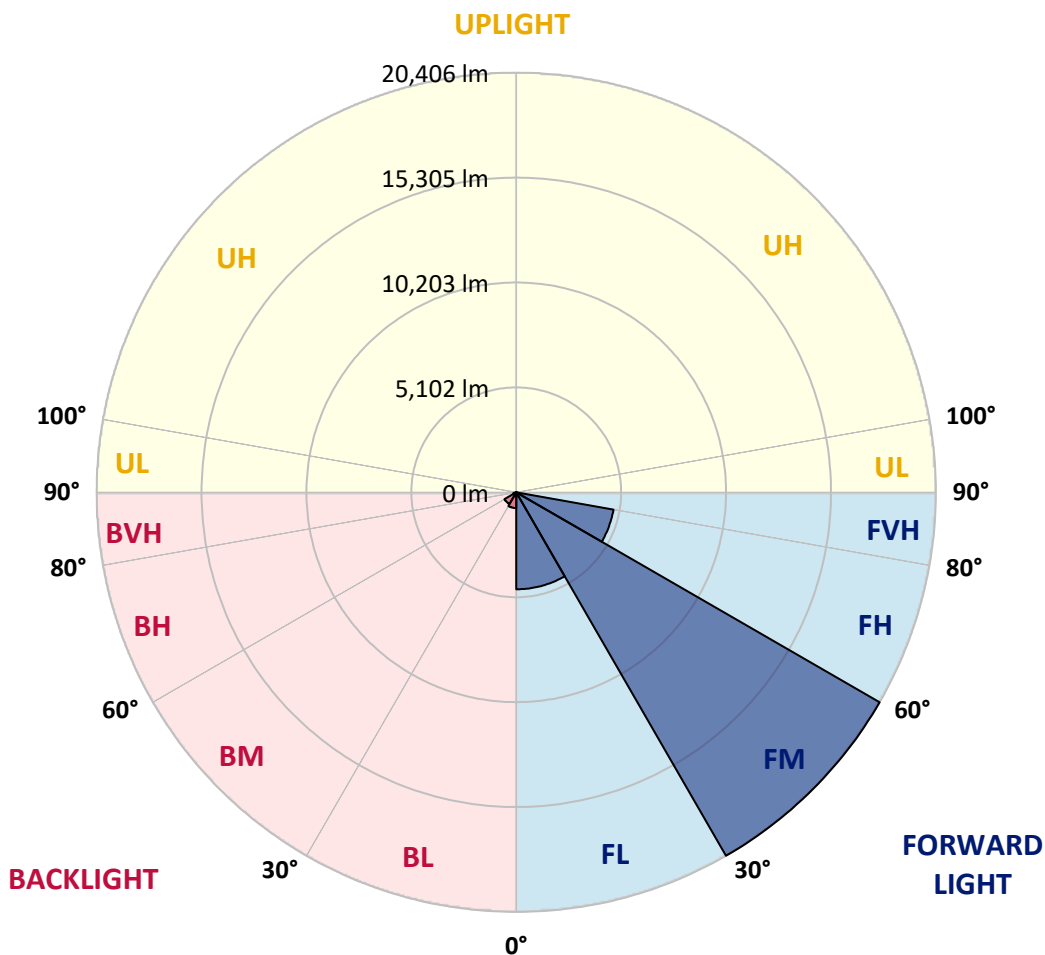


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4714.4	14.9			
FM (30°-60°)	20406.5	64.7			
FH (60°-80°)	4802.9	15.2			G2/5000
FVH (80°-90°)	40.7	0.1			G1/100
BL (0°-30°)	765.6	2.4	B2/1000		
BM (30°-60°)	661.2	2.1	B1/1000		
BH (60°-80°)	145.0	0.5	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7063.2	7063.2	7063.2	7063.2	7063.2	7063.2	7063.2	7063.2	7063.2	7063.2	7063.2
2.5°	8863.8	8731.7	8735.8	8675.8	8456.6	8284.9	8106.5	8064.3	7786.5	7495.0	7214.4
5°	10396.0	10299.3	10276.2	10160.4	9855.3	9532.5	9186.6	9106.2	8562.8	7966.2	7379.2
7.5°	11183.2	11184.6	11165.5	11123.3	10932.6	10619.4	10197.2	10112.7	9373.2	8478.3	7550.8
10°	10954.4	11006.2	11112.4	11252.7	11398.4	11358.9	11041.6	10965.3	10161.8	9020.4	7741.5
12.5°	10420.5	10427.3	10545.8	10776.0	11195.5	11625.9	11631.3	11605.5	10914.9	9587.0	7951.3
15°	10154.9	10180.8	10224.4	10372.9	10770.6	11459.7	11952.8	11989.5	11605.5	10189.0	8174.6
17.5°	10329.3	10366.1	10329.3	10347.0	10577.2	11196.9	12008.6	12102.6	12208.8	10784.2	8385.7
20°	10801.9	10835.9	10770.6	10698.4	10743.3	11120.6	11969.1	12095.8	12681.4	11312.6	8562.8
22.5°	11439.3	11452.9	11353.5	11235.0	11202.3	11379.4	12001.8	12132.5	13060.1	11790.7	8674.5
25°	12140.7	12153.0	12029.0	11892.8	11815.2	11887.4	12270.1	12368.2	13393.7	12247.0	8738.5
27.5°	12904.8	12915.7	12760.4	12592.9	12503.0	12505.7	12712.8	12817.6	13749.2	12767.2	8790.2
30°	13712.4	13707.0	13564.0	13331.1	13216.7	13214.0	13350.2	13456.4	14264.1	13434.6	8861.1
32.5°	14619.5	14608.6	14405.7	14117.0	13987.6	14006.6	14127.9	14189.1	14902.8	14145.6	8987.7
35°	15814.0	15782.7	15476.2	15118.0	14879.7	14872.9	14975.0	15024.0	15717.3	15006.3	9198.8
37.5°	17363.9	17335.3	16919.9	16399.6	16064.6	15939.3	16060.5	16123.2	16879.1	16110.9	9538.0
40°	18892.1	18863.5	18617.0	18140.3	17624.1	17323.1	17418.4	17485.1	18329.6	17451.1	9965.6
42.5°	19946.2	19970.8	20056.6	20096.1	19612.6	18980.6	19024.2	19093.6	19853.6	18883.9	10454.6
45°	20224.1	20277.2	20762.1	21714.1	21895.2	21402.2	20945.9	20984.1	21402.2	20316.7	10943.5
47.5°	19389.2	19487.3	20422.9	22193.5	23727.1	24075.8	23212.3	23161.9	22888.1	21475.8	11290.8
50°	17492.0	17581.8	18794.0	21413.1	24282.8	26628.1	25928.1	25779.6	24191.6	22169.0	11413.4
52.5°	14746.2	14855.2	15839.9	18956.1	23235.4	27766.8	28499.5	28375.6	25147.7	22223.5	11433.9
55°	10413.7	10545.8	11587.8	14528.3	19916.3	26861.0	29410.7	29373.9	25941.7	22079.1	11477.4
57.5°	5852.4	5947.8	7071.4	9313.2	14586.8	23396.2	28458.6	28702.4	26421.1	21828.5	11542.8
60°	2598.7	2624.5	3206.1	4636.2	8539.6	17880.1	25733.3	26144.6	26009.8	21493.5	11653.1
62.5°	1441.0	1419.2	1419.2	1927.2	3711.4	11068.8	20984.1	21663.7	24254.2	21097.1	11658.6
65°	1129.1	1108.7	1050.1	1058.3	1413.7	4912.7	14531.0	15739.1	20920.1	19935.4	11266.3
67.5°	957.5	939.8	881.2	858.0	878.5	1620.8	7983.9	9238.3	15873.9	16915.8	9758.6
70°	809.0	796.8	766.8	738.2	686.4	800.8	3054.9	3907.5	9781.8	11252.7	6661.5
72.5°	651.0	645.6	656.5	632.0	569.3	533.9	1044.6	1265.3	4393.8	5021.6	2744.4
75°	561.1	558.4	563.9	539.3	468.5	371.8	531.2	580.2	1239.4	1228.5	555.7
77.5°	365.0	369.1	467.2	456.3	403.1	247.9	275.1	296.9	375.9	281.9	168.9
80°	232.9	230.2	237.0	378.6	362.3	189.3	137.6	144.4	181.1	138.9	81.7
82.5°	141.6	138.9	155.3	177.1	182.5	132.1	84.4	85.8	113.0	89.9	43.6
85°	12.3	16.3	94.0	87.2	62.7	40.9	40.9	43.6	59.9	53.1	24.5
87.5°	0.0	0.0	16.3	24.5	13.6	15.0	15.0	16.3	23.2	23.2	12.3
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°	7063.2	7063.2	7063.2	7063.2	7063.2	7063.2	7063.2	7063.2	7063.2	7063.2	7063.2
2.5°	7068.7	6927.0	6641.0	6365.9	6133.0	5908.3	5652.2	5398.9	5280.4	5232.7	5183.7
5°	7081.0	6789.5	6199.7	5605.9	4990.3	4436.0	3963.4	3478.5	3236.1	3129.8	3080.8
7.5°	7097.3	6653.3	5699.9	4702.9	3711.4	2959.6	2303.1	1880.9	1698.4	1669.8	1599.0
10°	7100.0	6488.5	5119.7	3706.0	2488.3	1784.2	1372.9	1155.0	1074.6	1061.0	1037.8
12.5°	7105.5	6293.7	4475.5	2744.4	1658.9	1193.1	992.9	920.7	898.9	897.5	897.5
15°	7121.8	6089.4	3806.7	1977.6	1191.7	945.2	871.7	843.1	834.9	839.0	837.6
17.5°	7121.8	5848.4	3150.3	1473.7	962.9	849.9	809.0	790.0	787.2	791.3	792.7
20°	7070.1	5555.5	2548.3	1146.8	854.0	788.6	751.8	734.1	727.3	730.0	731.4
22.5°	6946.1	5196.0	2058.0	949.3	781.8	732.7	693.2	666.0	655.1	656.5	656.5
25°	6752.7	4769.7	1609.9	821.3	723.2	672.8	626.5	595.2	588.4	587.0	589.7
27.5°	6504.8	4298.4	1281.6	723.2	653.8	606.1	559.8	533.9	528.4	529.8	531.2
30°	6261.0	3809.5	1010.6	640.1	576.1	531.2	495.8	483.5	483.5	487.6	489.0
32.5°	6037.7	3339.6	799.5	567.9	506.7	465.8	445.4	444.0	450.8	453.5	454.9
35°	5845.6	2905.1	661.9	512.1	452.2	416.8	410.0	415.4	423.6	429.0	430.4
37.5°	5709.4	2516.9	578.8	465.8	410.0	381.4	380.0	390.9	401.8	414.0	416.8
40°	5652.2	2188.7	521.6	424.9	375.9	354.1	350.0	365.0	385.4	403.1	405.9
42.5°	5604.6	1920.4	472.6	385.4	348.7	317.3	316.0	335.0	359.6	377.3	381.4
45°	5563.7	1705.2	427.7	343.2	313.3	272.4	276.5	301.0	320.1	339.1	343.2
47.5°	5479.3	1528.1	378.6	298.3	258.8	232.9	241.1	262.9	277.8	306.4	310.5
50°	5328.1	1383.8	328.2	243.8	211.1	201.6	213.8	228.8	247.9	272.4	275.1
52.5°	5225.9	1274.8	284.7	204.3	174.3	177.1	189.3	194.8	205.7	215.2	212.5
55°	5167.4	1214.9	249.2	177.1	148.5	156.6	159.4	152.5	147.1	137.6	133.5
57.5°	5160.6	1160.4	222.0	153.9	130.8	134.8	125.3	102.1	83.1	72.2	69.5
60°	5149.7	1093.7	200.2	129.4	115.8	110.3	89.9	55.8	39.5	36.8	36.8
62.5°	5031.2	990.2	183.9	109.0	98.1	83.1	51.8	25.9	21.8	23.2	23.2
65°	4653.9	845.8	167.5	88.5	77.6	59.9	25.9	15.0	8.2	9.5	9.5
67.5°	3956.6	674.2	149.8	68.1	58.6	38.1	15.0	6.8	0.0	0.0	0.0
70°	2649.1	418.1	126.7	47.7	38.1	23.2	10.9	1.4	0.0	0.0	0.0
72.5°	1016.0	226.1	102.1	28.6	24.5	16.3	6.8	0.0	0.0	0.0	0.0
75°	228.8	148.5	70.8	20.4	17.7	10.9	2.7	0.0	0.0	0.0	0.0
77.5°	87.2	107.6	40.9	13.6	12.3	6.8	0.0	0.0	0.0	0.0	0.0
80°	42.2	64.0	19.1	8.2	6.8	2.7	0.0	0.0	0.0	0.0	0.0
82.5°	21.8	24.5	8.2	4.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.3	12.3	4.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.8	4.1	1.4	1.4	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)