

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: P324769

Luminaire Tested: **GAN-SA5C-730-U-AFL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324769
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-SA5C-730-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 26354 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

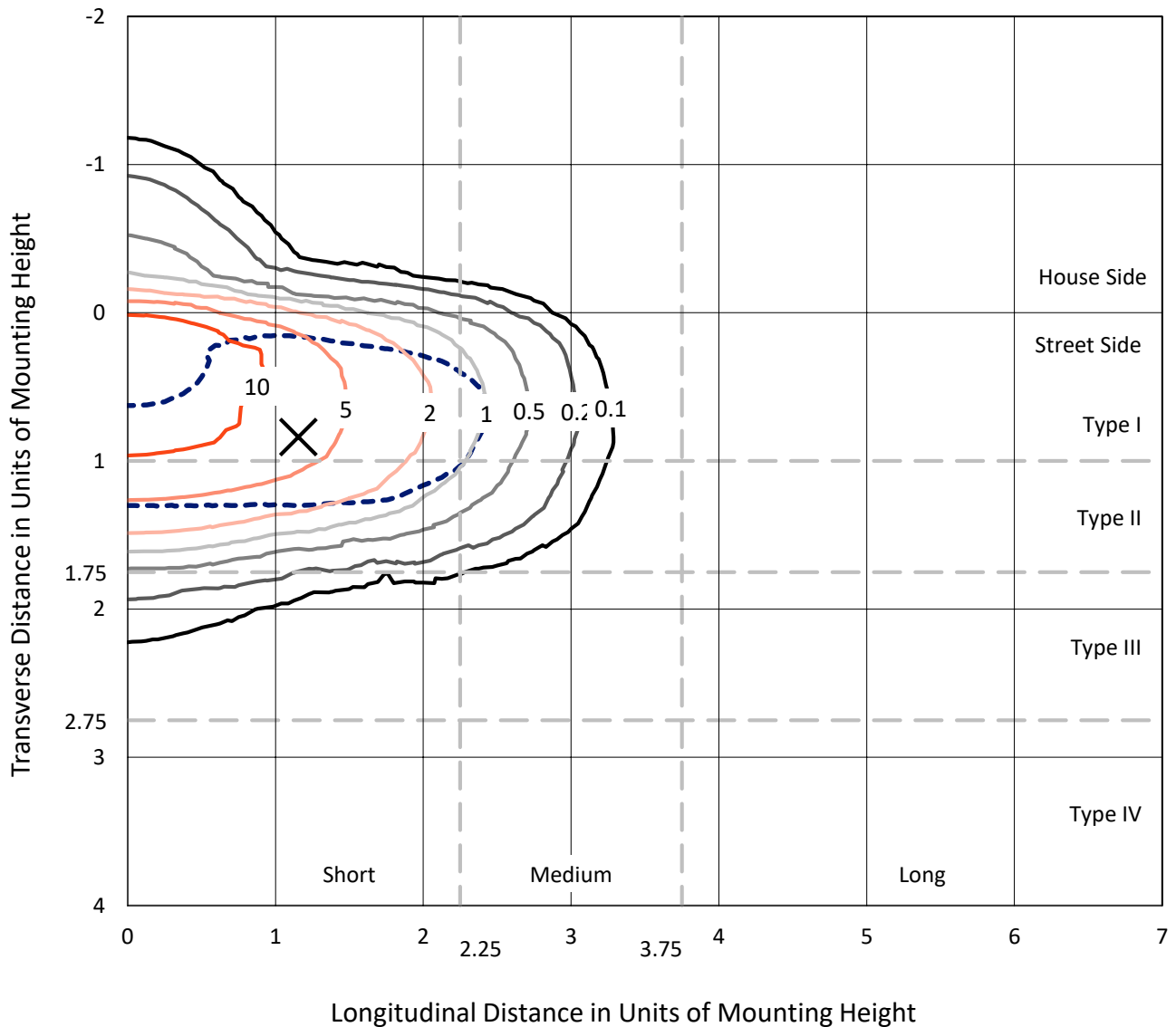
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

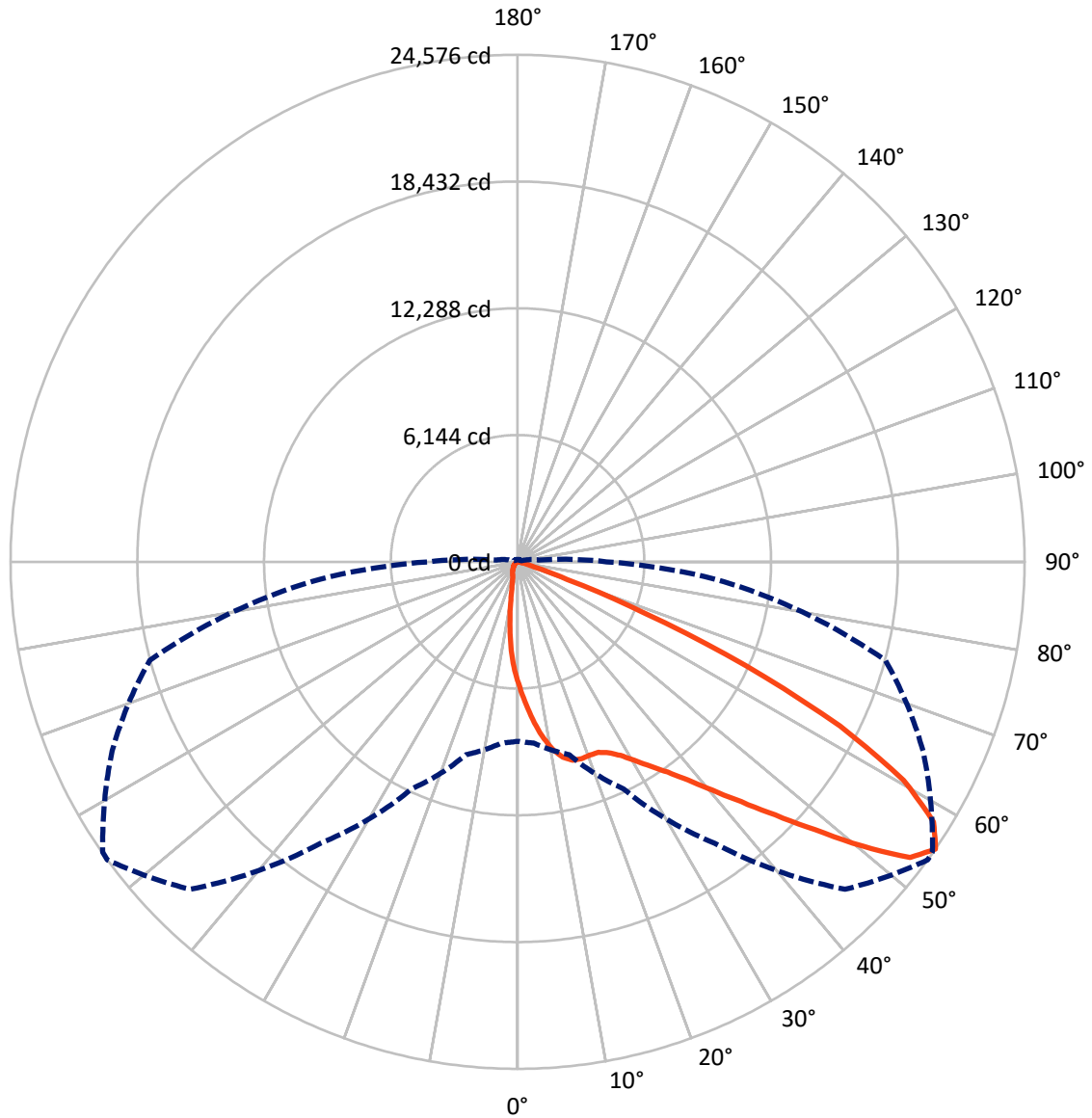
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 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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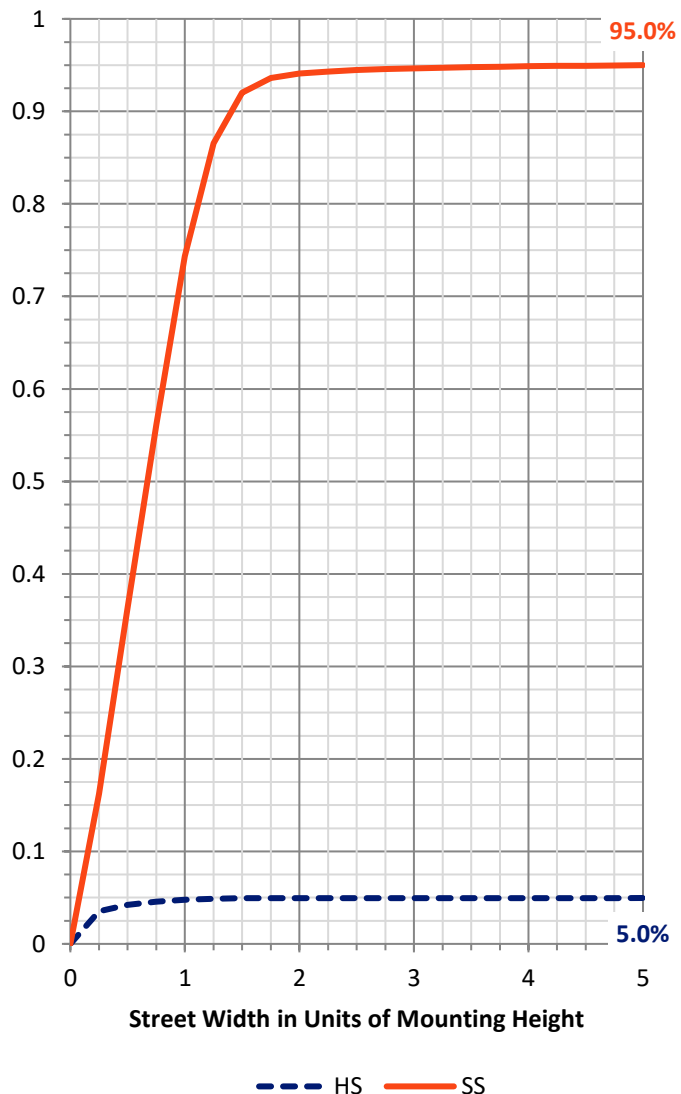
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1314.9	0.0	1314.9
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	25039.1	0.0	25039.1
	% Fixture	95.0	0.0	95.0
Total	Lumens	26354.0	0.0	26354.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.5	2.1
10°-20°	1490.7	5.7
20°-30°	2545.0	9.7
30°-40°	4084.3	15.5
40°-50°	6526.8	24.8
50°-60°	6993.6	26.5
60°-70°	3590.7	13.6
70°-80°	543.9	2.1
80°-90°	35.4	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°	26354.0	100.0
0°-180°	26354.0	100.0

Coefficient of Utilization

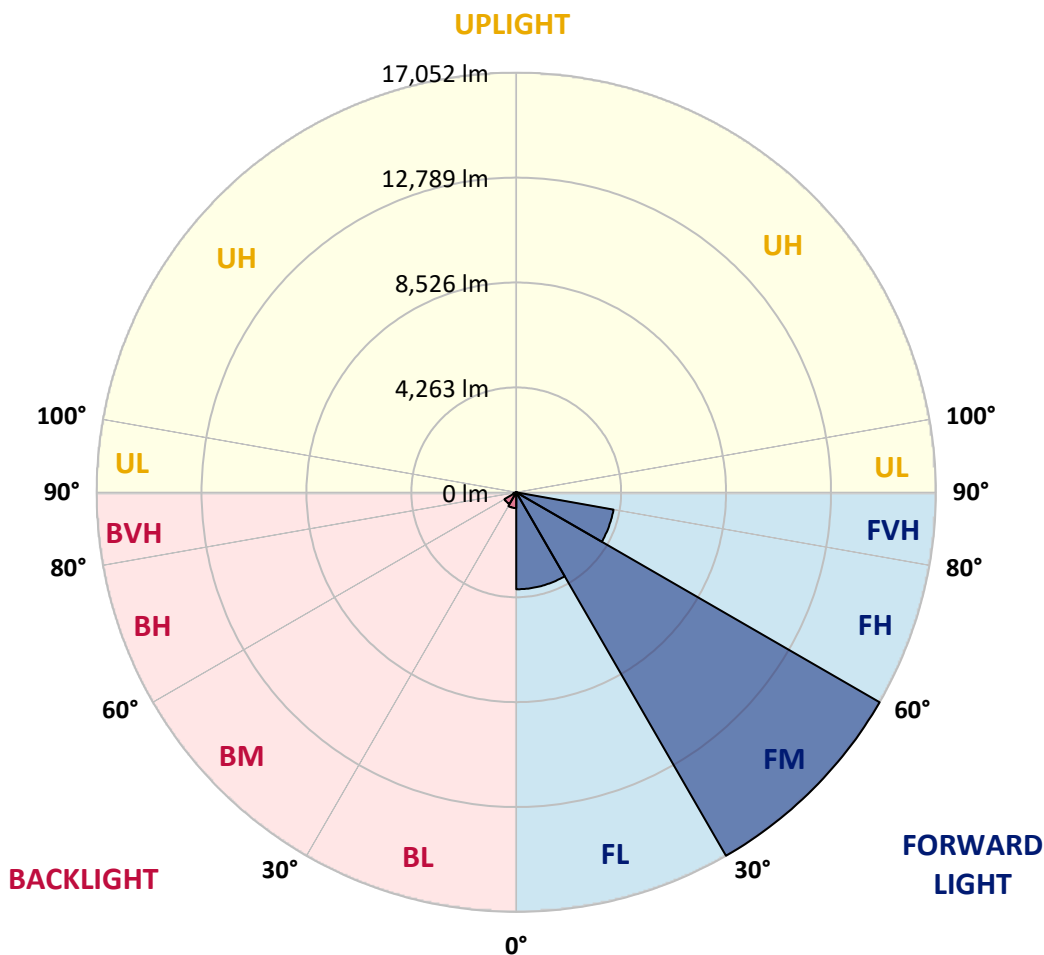


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3939.5	14.9			
FM (30°-60°)	17052.2	64.7			
FH (60°-80°)	4013.5	15.2			G2/5000
FVH (80°-90°)	34.0	0.1			G1/100
BL (0°-30°)	639.7	2.4	B2/1000		
BM (30°-60°)	552.5	2.1	B1/1000		
BH (60°-80°)	121.2	0.5	B1/500		G1/500
BVH (80°-90°)	1.4	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°	5902.2	5902.2	5902.2	5902.2	5902.2	5902.2	5902.2	5902.2	5902.2	5902.2	5902.2
2.5°	7406.8	7296.4	7299.8	7249.8	7066.5	6923.1	6774.0	6738.7	6506.6	6263.0	6028.6
5°	8687.2	8606.4	8587.0	8490.3	8235.4	7965.6	7676.6	7609.4	7155.3	6656.8	6166.3
7.5°	9345.0	9346.2	9330.2	9294.9	9135.6	8873.8	8521.0	8450.5	7832.5	7084.7	6309.7
10°	9153.8	9197.1	9285.8	9403.1	9524.8	9491.8	9226.7	9162.9	8491.4	7537.7	6469.0
12.5°	8707.7	8713.4	8812.4	9004.7	9355.3	9714.9	9719.5	9697.8	9120.8	8011.2	6644.3
15°	8485.7	8507.4	8543.8	8667.8	9000.2	9576.1	9988.1	10018.8	9697.8	8514.2	6830.9
17.5°	8631.4	8662.2	8631.4	8646.2	8838.6	9356.4	10034.7	10113.2	10202.0	9011.6	7007.3
20°	9026.4	9054.8	9000.2	8939.9	8977.4	9292.7	10001.7	10107.6	10596.9	9453.1	7155.3
22.5°	9559.0	9570.4	9487.3	9388.3	9361.0	9508.9	10029.0	10138.3	10913.3	9852.6	7248.6
25°	10145.1	10155.4	10051.8	9938.0	9873.1	9933.4	10253.2	10335.2	11192.2	10233.9	7302.1
27.5°	10783.6	10792.7	10663.0	10523.0	10447.8	10450.1	10623.1	10710.8	11489.2	10668.6	7345.4
30°	11458.5	11453.9	11334.4	11139.8	11044.2	11041.9	11155.8	11244.5	11919.4	11226.3	7404.5
32.5°	12216.5	12207.4	12037.8	11796.5	11688.4	11704.3	11805.6	11856.8	12453.2	11820.4	7510.4
35°	13214.6	13188.4	12932.3	12633.0	12433.9	12428.2	12513.5	12554.5	13133.8	12539.7	7686.8
37.5°	14509.8	14485.9	14138.7	13704.0	13424.0	13319.3	13420.6	13472.9	14104.6	13462.7	7970.2
40°	15786.7	15762.8	15556.8	15158.5	14727.1	14475.6	14555.3	14611.1	15316.7	14582.6	8327.6
42.5°	16667.6	16688.1	16759.8	16792.8	16388.8	15860.7	15897.1	15955.2	16590.2	15779.9	8736.1
45°	16899.8	16944.2	17349.3	18144.9	18296.3	17884.3	17503.0	17534.9	17884.3	16977.2	9144.7
47.5°	16202.1	16284.1	17066.0	18545.5	19827.0	20118.4	19396.8	19354.7	19125.9	17945.7	9434.9
50°	14616.7	14691.9	15704.8	17893.4	20291.4	22251.2	21666.2	21542.1	20215.1	18525.0	9537.4
52.5°	12322.3	12413.4	13236.2	15840.2	19416.2	23202.6	23815.0	23711.4	21014.1	18570.5	9554.4
55°	8702.0	8812.4	9683.0	12140.2	16642.6	22445.8	24576.3	24545.6	21677.6	18449.9	9590.9
57.5°	4890.5	4970.1	5909.1	7782.4	12189.2	19550.5	23780.8	23984.5	22078.2	18240.5	9645.5
60°	2171.5	2193.1	2679.1	3874.1	7135.9	14941.1	21503.4	21847.2	21734.5	17960.5	9737.7
62.5°	1204.1	1185.9	1185.9	1610.4	3101.3	9249.4	17534.9	18102.8	20267.5	17629.3	9742.2
65°	943.5	926.4	877.5	884.3	1181.4	4105.2	12142.5	13152.0	17481.4	16658.5	9414.4
67.5°	800.1	785.3	736.4	717.0	734.1	1354.4	6671.6	7719.8	13264.7	14135.3	8154.6
70°	676.0	665.8	640.8	616.9	573.6	669.2	2552.8	3265.2	8173.9	9403.1	5566.5
72.5°	544.0	539.5	548.6	528.1	475.7	446.1	872.9	1057.3	3671.5	4196.2	2293.3
75°	468.9	466.6	471.2	450.7	391.5	310.7	443.9	484.8	1035.7	1026.6	464.3
77.5°	305.0	308.4	390.4	381.3	336.9	207.1	229.9	248.1	314.1	235.6	141.1
80°	194.6	192.3	198.0	316.4	302.7	158.2	114.9	120.6	151.4	116.1	68.3
82.5°	118.4	116.1	129.7	148.0	152.5	110.4	70.6	71.7	94.5	75.1	36.4
85°	10.2	13.7	78.5	72.8	52.4	34.1	34.1	36.4	50.1	44.4	20.5
87.5°	0.0	0.0	13.7	20.5	11.4	12.5	12.5	13.7	19.3	19.3	10.2
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°	5902.2	5902.2	5902.2	5902.2	5902.2	5902.2	5902.2	5902.2	5902.2	5902.2	5902.2
2.5°	5906.8	5788.4	5549.4	5319.5	5124.9	4937.1	4723.2	4511.5	4412.5	4372.6	4331.6
5°	5917.0	5673.5	5180.7	4684.5	4170.0	3706.8	3311.9	2906.7	2704.1	2615.4	2574.4
7.5°	5930.7	5559.7	4763.0	3929.9	3101.3	2473.1	1924.5	1571.7	1419.2	1395.3	1336.1
10°	5933.0	5422.0	4278.2	3096.8	2079.3	1490.9	1147.2	965.1	898.0	886.6	867.2
12.5°	5937.5	5259.2	3739.8	2293.3	1386.2	997.0	829.7	769.4	751.2	750.0	750.0
15°	5951.2	5088.5	3181.0	1652.5	995.8	789.8	728.4	704.5	697.7	701.1	699.9
17.5°	5951.2	4887.0	2632.4	1231.4	804.6	710.2	676.0	660.1	657.8	661.2	662.4
20°	5907.9	4642.4	2129.4	958.3	713.6	659.0	628.2	613.4	607.8	610.0	611.2
22.5°	5804.4	4341.9	1719.7	793.3	653.3	612.3	579.3	556.5	547.4	548.6	548.6
25°	5642.7	3985.7	1345.2	686.3	604.3	562.2	523.5	497.4	491.7	490.5	492.8
27.5°	5435.6	3591.9	1071.0	604.3	546.3	506.5	467.8	446.1	441.6	442.7	443.9
30°	5231.9	3183.3	844.5	534.9	481.4	443.9	414.3	404.0	404.0	407.4	408.6
32.5°	5045.2	2790.6	668.1	474.6	423.4	389.2	372.2	371.0	376.7	379.0	380.1
35°	4884.8	2427.6	553.1	427.9	377.9	348.3	342.6	347.1	354.0	358.5	359.6
37.5°	4771.0	2103.2	483.7	389.2	342.6	318.7	317.5	326.6	335.7	346.0	348.3
40°	4723.2	1828.9	435.9	355.1	314.1	295.9	292.5	305.0	322.1	336.9	339.2
42.5°	4683.3	1604.7	394.9	322.1	291.4	265.2	264.0	280.0	300.5	315.3	318.7
45°	4649.2	1424.9	357.4	286.8	261.8	227.6	231.0	251.5	267.5	283.4	286.8
47.5°	4578.6	1277.0	316.4	249.2	216.2	194.6	201.4	219.7	232.2	256.1	259.5
50°	4452.3	1156.3	274.3	203.7	176.4	168.4	178.7	191.2	207.1	227.6	229.9
52.5°	4366.9	1065.3	237.9	170.7	145.7	148.0	158.2	162.7	171.9	179.8	177.5
55°	4318.0	1015.2	208.3	148.0	124.1	130.9	133.2	127.5	122.9	114.9	111.5
57.5°	4312.3	969.7	185.5	128.6	109.3	112.7	104.7	85.4	69.4	60.3	58.0
60°	4303.2	913.9	167.3	108.1	96.7	92.2	75.1	46.7	33.0	30.7	30.7
62.5°	4204.2	827.4	153.6	91.0	81.9	69.4	43.2	21.6	18.2	19.3	19.3
65°	3888.9	706.8	140.0	74.0	64.9	50.1	21.6	12.5	6.8	8.0	8.0
67.5°	3306.2	563.4	125.2	56.9	48.9	31.9	12.5	5.7	0.0	0.0	0.0
70°	2213.6	349.4	105.8	39.8	31.9	19.3	9.1	1.1	0.0	0.0	0.0
72.5°	849.0	188.9	85.4	23.9	20.5	13.7	5.7	0.0	0.0	0.0	0.0
75°	191.2	124.1	59.2	17.1	14.8	9.1	2.3	0.0	0.0	0.0	0.0
77.5°	72.8	89.9	34.1	11.4	10.2	5.7	0.0	0.0	0.0	0.0	0.0
80°	35.3	53.5	15.9	6.8	5.7	2.3	0.0	0.0	0.0	0.0	0.0
82.5°	18.2	20.5	6.8	3.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.2	10.2	3.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.7	3.4	1.1	1.1	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)