

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: P318350

Luminaire Tested: **GAN-SA6A-730-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-730-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25389 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

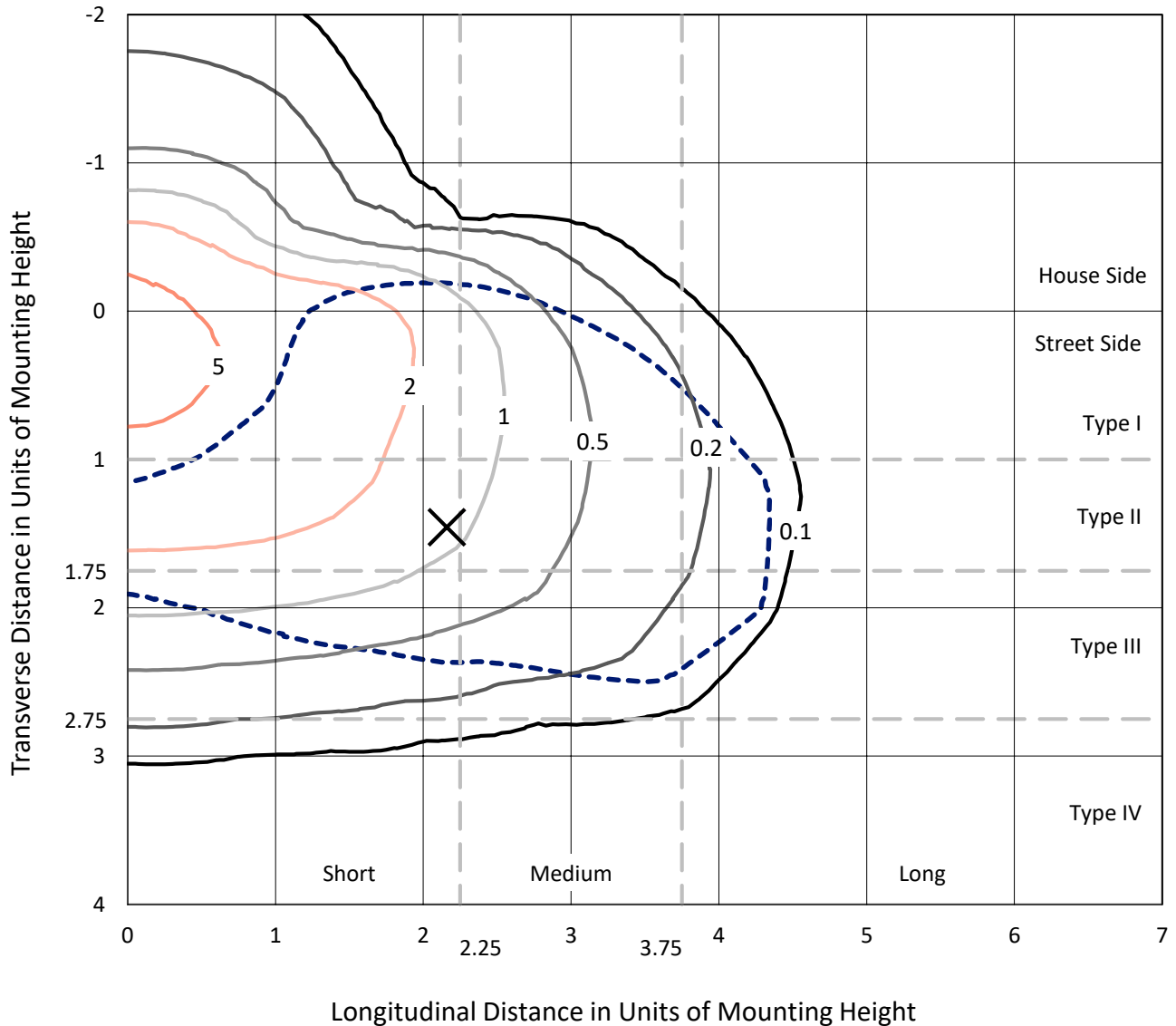
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

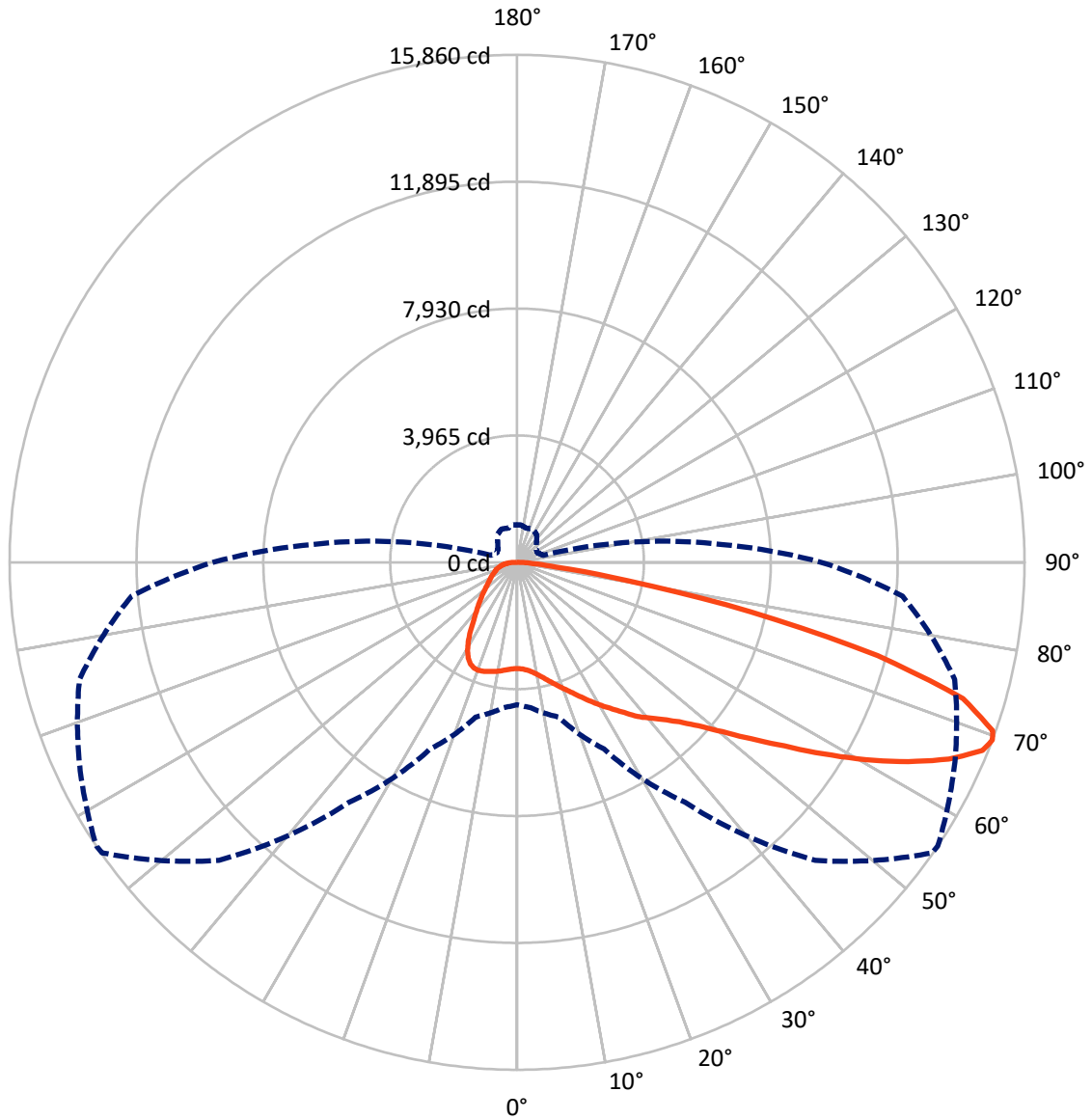
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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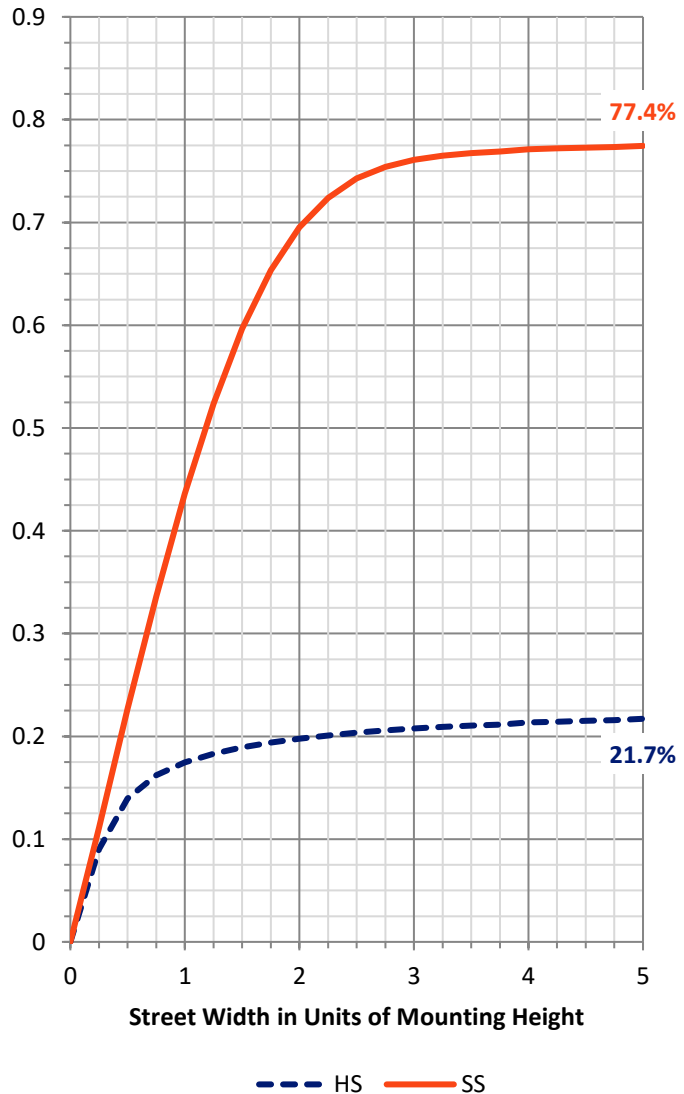
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5654.1	0.0	5654.1
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	19734.9	0.0	19734.9
	% Fixture	77.7	0.0	77.7
Total	Lumens	25389.0	0.0	25389.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.0	1.3
10°-20°	1048.3	4.1
20°-30°	1829.9	7.2
30°-40°	2628.6	10.4
40°-50°	3637.8	14.3
50°-60°	5329.9	21.0
60°-70°	6498.2	25.6
70°-80°	3592.6	14.2
80°-90°	497.6	2.0
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°	25389.0	100.0
0°-180°	25389.0	100.0

Coefficient of Utilization

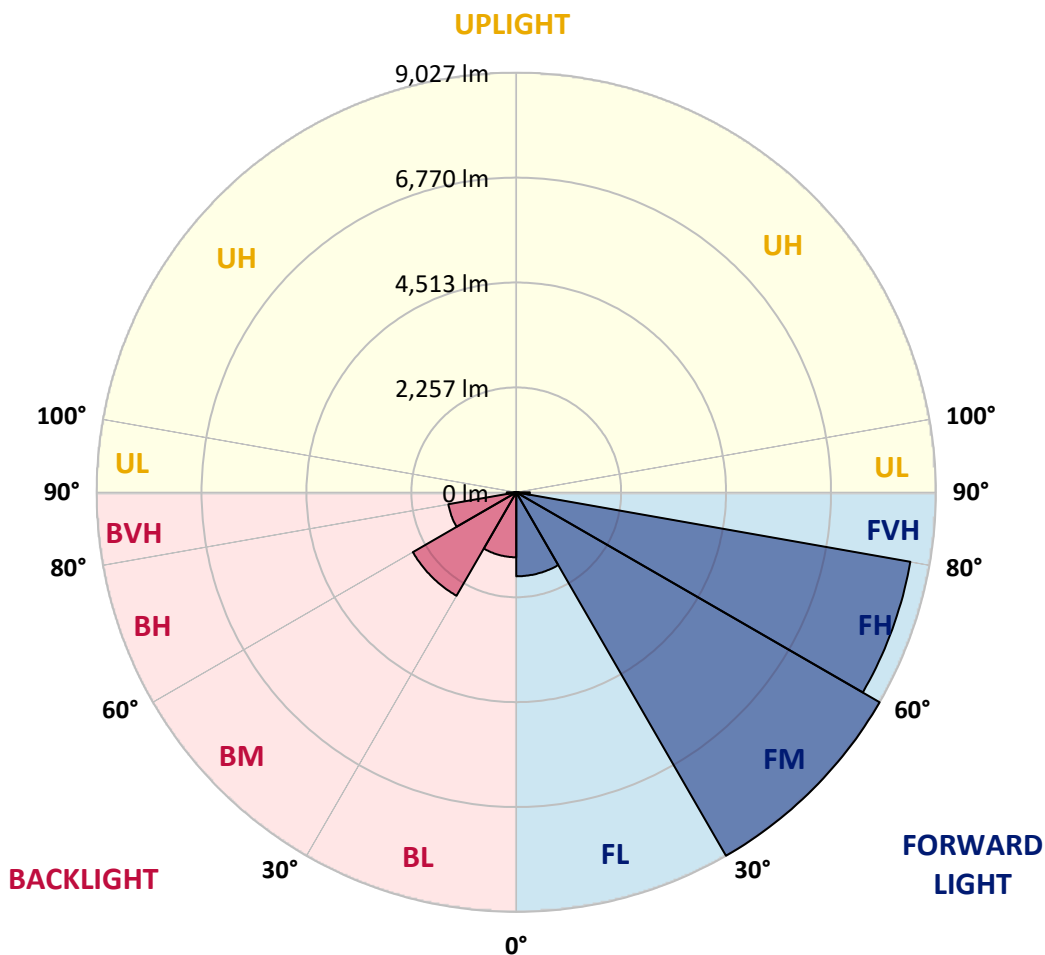


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1806.9	7.1			
FM (30°-60°)	9026.7	35.6			
FH (60°-80°)	8608.1	33.9			G4/12000
FVH (80°-90°)	293.1	1.2			G3/500
BL (0°-30°)	1397.3	5.5	B3/2500		
BM (30°-60°)	2569.7	10.1	B3/5000		
BH (60°-80°)	1482.7	5.8	B3/2500		G3/2500
BVH (80°-90°)	204.5	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3319.2	3319.2	3319.2	3319.2	3319.2	3319.2	3319.2	3319.2	3319.2	3319.2	3319.2
2.5°	3340.2	3343.7	3341.1	3348.1	3340.2	3345.5	3341.1	3341.1	3338.5	3330.6	3321.9
5°	3392.7	3399.7	3395.3	3402.3	3392.7	3394.4	3386.6	3386.6	3378.7	3362.1	3344.6
7.5°	3474.9	3482.8	3479.3	3486.3	3473.2	3473.2	3462.7	3461.8	3446.1	3418.9	3398.8
10°	3572.9	3583.4	3579.9	3590.4	3579.9	3583.4	3572.9	3572.9	3551.9	3513.4	3488.0
12.5°	3715.4	3728.6	3718.9	3718.1	3713.7	3720.7	3711.9	3710.2	3690.9	3638.5	3603.5
15°	3906.1	3920.1	3900.0	3898.2	3873.7	3871.1	3871.1	3868.5	3856.3	3793.3	3735.6
17.5°	4125.6	4130.0	4112.5	4084.5	4053.0	4032.9	4030.3	4037.3	4037.3	3963.8	3872.0
20°	4340.8	4348.7	4334.7	4303.2	4263.0	4233.2	4212.2	4226.2	4225.3	4137.9	4007.6
22.5°	4575.2	4593.6	4572.6	4532.3	4485.1	4451.9	4415.1	4427.4	4428.3	4320.7	4140.5
25°	4878.7	4862.1	4849.0	4792.1	4724.8	4690.7	4656.5	4668.8	4665.3	4517.5	4277.8
27.5°	5147.2	5150.7	5133.2	5072.9	4995.0	4919.8	4918.1	4925.9	4912.8	4722.1	4407.3
30°	5459.5	5461.2	5436.7	5382.5	5297.6	5200.6	5177.8	5190.9	5163.0	4916.3	4543.7
32.5°	5769.9	5778.7	5751.6	5686.0	5617.8	5499.7	5454.2	5463.0	5393.0	5114.8	4684.5
35°	6042.0	6054.2	6045.5	6001.7	5927.4	5825.9	5771.7	5766.5	5679.9	5358.0	4870.8
37.5°	6319.2	6330.6	6321.0	6284.2	6254.5	6146.9	6118.1	6118.1	5967.6	5606.4	5107.9
40°	6604.3	6621.8	6610.5	6559.7	6534.4	6485.4	6416.3	6399.7	6237.0	5904.6	5494.4
42.5°	6869.4	6892.1	6937.6	6907.8	6856.2	6863.2	6724.2	6715.4	6596.5	6345.5	5979.9
45°	7245.5	7278.7	7355.7	7332.9	7322.4	7283.9	7118.6	7110.8	7065.3	6938.5	6582.5
47.5°	7655.7	7701.1	7840.2	7844.6	7957.4	7884.8	7660.0	7632.9	7643.4	7648.7	7318.0
50°	8033.5	8083.4	8311.6	8419.2	8685.1	8700.8	8341.4	8316.9	8358.0	8478.7	8175.2
52.5°	8335.2	8398.2	8683.3	9015.7	9471.4	9600.8	9180.1	9161.8	9192.4	9400.5	9144.3
55°	8556.5	8624.7	8935.2	9540.5	10268.2	10496.5	10145.7	10128.2	10147.5	10412.5	10198.2
57.5°	8608.1	8624.7	9075.2	9893.8	10940.8	11489.2	11327.4	11292.4	11197.9	11428.8	11361.5
60°	8365.9	8432.3	8959.7	10018.0	11461.2	12467.9	12562.3	12518.6	12253.6	12442.5	12388.3
62.5°	7874.3	7993.3	8528.5	9829.1	11665.0	13267.3	13773.7	13721.2	13264.7	13387.1	13126.5
65°	7071.4	7122.1	7684.5	9177.5	11406.1	13779.0	14853.9	14827.6	14253.0	14061.5	13262.9
67.5°	5635.3	5730.6	6208.1	7815.7	10346.9	13718.6	15689.2	15686.5	14898.5	14311.6	12779.3
69°	4451.9	4550.7	5005.5	6438.2	9155.7	13166.7	15829.1	15859.7	15080.4	14159.4	12088.3
70°	3549.3	3663.8	3976.1	5422.7	8098.2	12439.0	15712.8	15767.9	15045.4	13908.4	11450.7
72.5°	1510.5	1603.2	1825.4	2795.3	4935.6	9288.6	14366.7	14574.9	14234.6	12729.4	9463.5
75°	659.5	688.3	788.9	1139.6	2191.0	5055.4	11254.8	11639.6	12171.4	10759.7	7049.5
77.5°	482.8	495.0	550.1	669.1	983.1	1909.3	7237.6	7461.5	8777.8	7829.7	4324.2
80°	373.5	382.2	425.1	491.5	642.0	772.3	3300.9	3493.3	4935.6	4021.6	1800.9
82.5°	297.4	303.5	333.2	362.1	443.4	467.9	1095.9	1215.7	1821.9	1110.8	476.7
85°	276.4	283.4	293.9	264.1	284.3	274.6	474.1	495.9	550.1	436.4	199.4
87.5°	125.1	147.8	291.3	205.5	151.3	120.7	194.2	202.9	228.3	229.2	88.3
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°	3319.2	3319.2	3319.2	3319.2	3319.2	3319.2	3319.2	3319.2	3319.2	3319.2	3319.2
2.5°	3327.1	3324.5	3328.9	3318.4	3331.5	3330.6	3326.2	3328.0	3336.7	3335.8	3336.7
5°	3347.2	3345.5	3350.7	3342.8	3358.6	3363.8	3364.7	3372.6	3382.2	3384.8	3384.8
7.5°	3397.9	3397.9	3400.6	3390.1	3400.6	3399.7	3395.3	3403.2	3412.8	3413.7	3412.8
10°	3485.4	3486.3	3481.9	3454.8	3446.1	3422.4	3400.6	3401.4	3413.7	3423.3	3425.9
12.5°	3595.6	3592.1	3572.9	3523.0	3486.3	3438.2	3415.4	3414.6	3426.8	3434.7	3437.3
15°	3721.6	3711.9	3662.1	3580.7	3516.0	3468.8	3432.1	3423.3	3416.3	3407.6	3408.4
17.5°	3840.5	3818.6	3735.6	3622.7	3554.5	3491.5	3420.7	3363.8	3324.5	3301.7	3294.7
20°	3961.2	3918.4	3798.5	3662.1	3575.5	3460.9	3324.5	3209.0	3137.3	3104.1	3097.9
22.5°	4071.4	4002.3	3857.1	3703.2	3558.9	3357.7	3143.4	2975.5	2875.8	2831.2	2834.7
25°	4179.0	4082.8	3918.4	3732.1	3474.9	3175.8	2891.5	2685.1	2569.7	2519.8	2518.1
27.5°	4273.5	4164.1	3984.8	3708.4	3318.4	2916.9	2593.3	2392.1	2295.9	2253.1	2246.1
30°	4381.9	4266.5	4073.2	3618.4	3089.2	2617.8	2302.0	2160.3	2092.1	2049.3	2041.4
32.5°	4514.0	4405.5	4145.8	3454.8	2796.2	2305.5	2074.6	1975.8	1913.7	1865.6	1856.8
35°	4706.4	4589.2	4164.1	3220.4	2474.3	2058.9	1907.6	1806.1	1722.2	1660.1	1653.9
37.5°	4947.8	4819.2	4122.1	2916.9	2162.1	1898.8	1768.5	1643.4	1534.1	1446.6	1432.6
40°	5295.9	5101.7	4005.8	2567.0	1932.1	1775.5	1632.9	1490.4	1354.8	1252.5	1232.4
42.5°	5714.0	5433.2	3827.4	2218.9	1763.3	1650.4	1498.2	1321.6	1192.1	1119.5	1109.0
45°	6245.7	5777.8	3579.9	1914.6	1597.1	1525.4	1353.1	1190.4	1109.9	1056.6	1047.8
47.5°	6852.7	6164.4	3320.1	1667.0	1456.3	1408.2	1236.7	1131.8	1067.9	1025.9	1018.1
50°	7598.8	6600.8	3044.6	1464.1	1314.6	1267.3	1181.6	1099.4	1048.7	1016.3	1008.5
52.5°	8440.2	7093.3	2846.1	1304.1	1197.4	1163.3	1152.8	1081.9	1040.8	1016.3	1008.5
55°	9346.3	7594.4	2631.8	1169.4	1095.9	1105.5	1133.5	1083.7	1055.7	1025.9	1014.6
57.5°	10253.3	8112.2	2393.0	1055.7	1015.4	1062.7	1120.4	1087.2	1063.6	1034.7	1024.2
60°	10970.5	8440.2	2023.0	960.3	951.6	1015.4	1088.9	1060.9	1030.3	1031.2	1029.4
62.5°	11305.5	8422.7	1614.6	875.5	887.8	951.6	1038.2	1019.8	994.5	1028.6	1031.2
65°	11117.5	8002.9	1256.8	798.5	819.5	885.1	985.7	999.7	1008.5	1074.0	1082.8
67.5°	10328.5	7186.0	973.5	731.2	757.4	839.6	991.0	1088.9	1100.3	1169.4	1168.5
69°	9512.5	6419.8	845.8	696.2	726.8	851.0	1059.2	1145.8	1102.9	1176.4	1165.9
70°	8828.5	5813.7	777.5	672.6	712.8	871.1	1104.7	1144.9	1089.8	1152.8	1135.3
72.5°	6799.4	4182.5	659.5	628.9	665.6	833.5	1117.8	1119.5	1059.2	1071.4	1041.7
75°	4663.5	2643.1	575.5	569.4	593.9	751.3	1075.8	1069.7	979.6	962.1	937.6
77.5°	2571.4	1342.6	488.9	512.5	529.2	665.6	977.8	969.1	894.7	858.0	849.3
80°	991.8	587.8	412.8	455.7	466.2	576.4	857.1	849.3	787.2	739.9	726.8
82.5°	374.3	307.9	341.1	394.5	391.0	475.8	725.9	721.6	661.2	592.1	571.1
85°	173.2	184.5	270.3	325.4	300.0	352.5	580.8	588.6	515.2	432.9	432.9
87.5°	73.5	103.2	191.5	245.8	202.0	237.9	425.9	406.7	373.5	258.9	243.1
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)