

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: P322290

Luminaire Tested: **GAN-SA6C-750-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-750-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30828 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

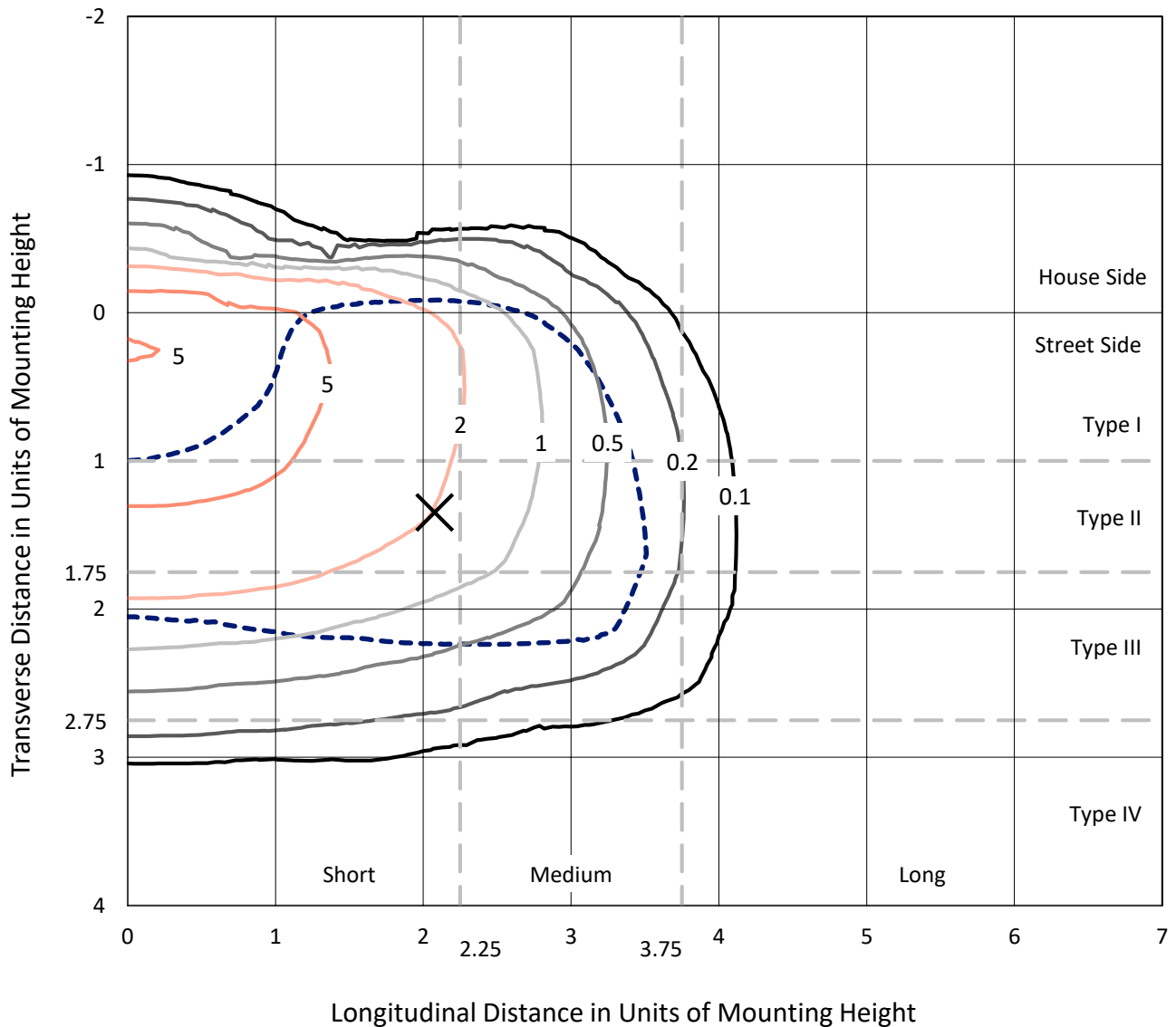
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

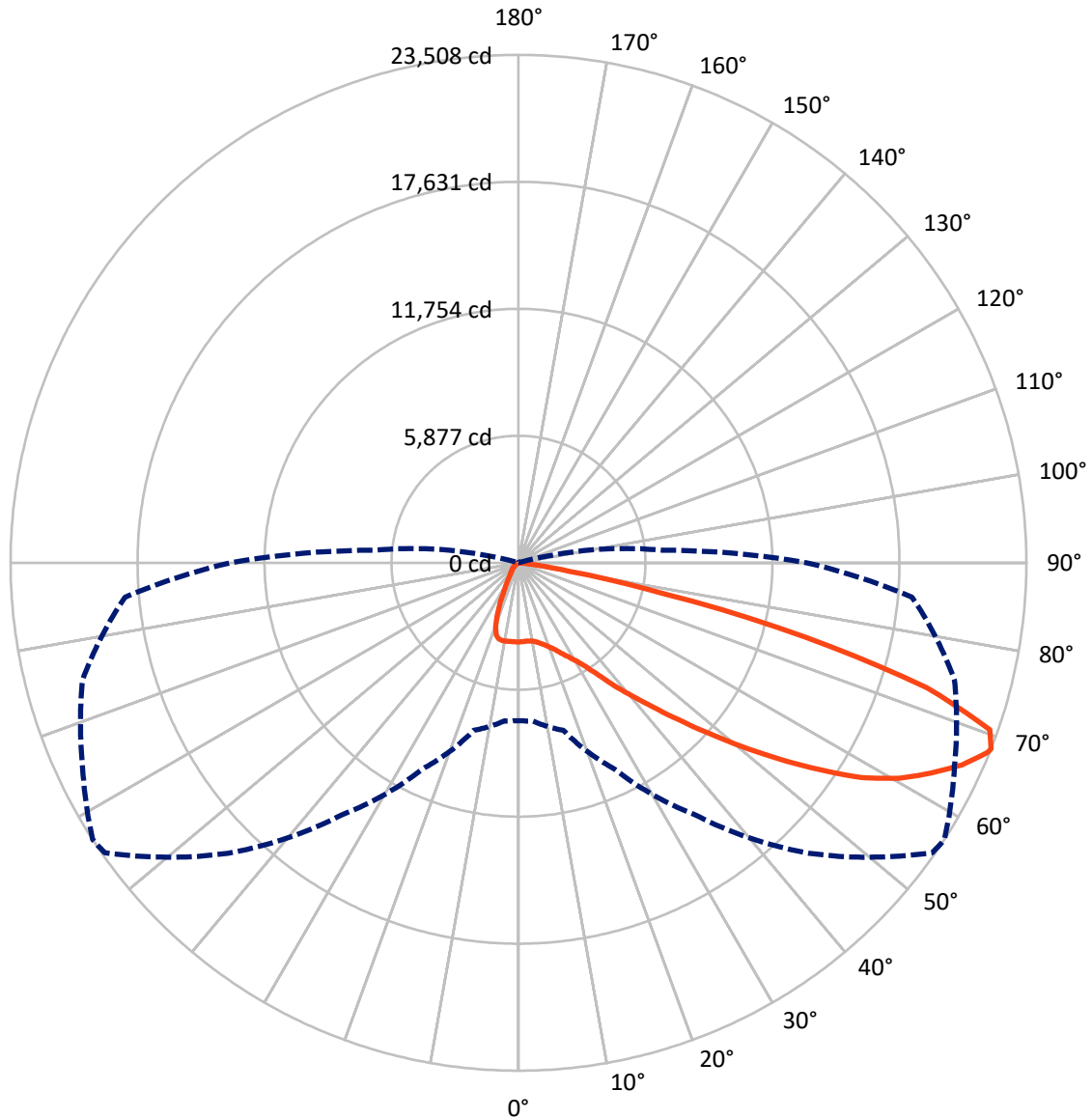
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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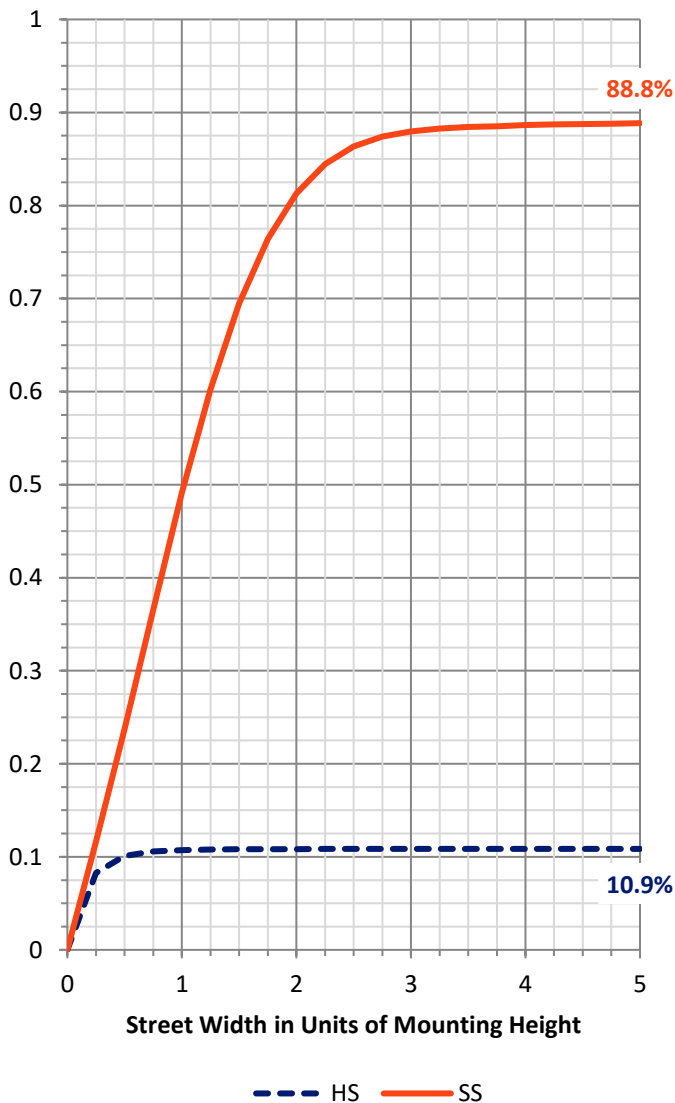
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3380.5	0.0	3380.5
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	27447.5	0.0	27447.5
	% Fixture	89.0	0.0	89.0
Total	Lumens	30828.0	0.0	30828.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.8	1.1
10°-20°	950.0	3.1
20°-30°	1638.8	5.3
30°-40°	2828.5	9.2
40°-50°	4838.2	15.7
50°-60°	7740.7	25.1
60°-70°	8943.5	29.0
70°-80°	3417.4	11.1
80°-90°	128.1	0.4
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°	30828.0	100.0
0°-180°	30828.0	100.0

Coefficient of Utilization



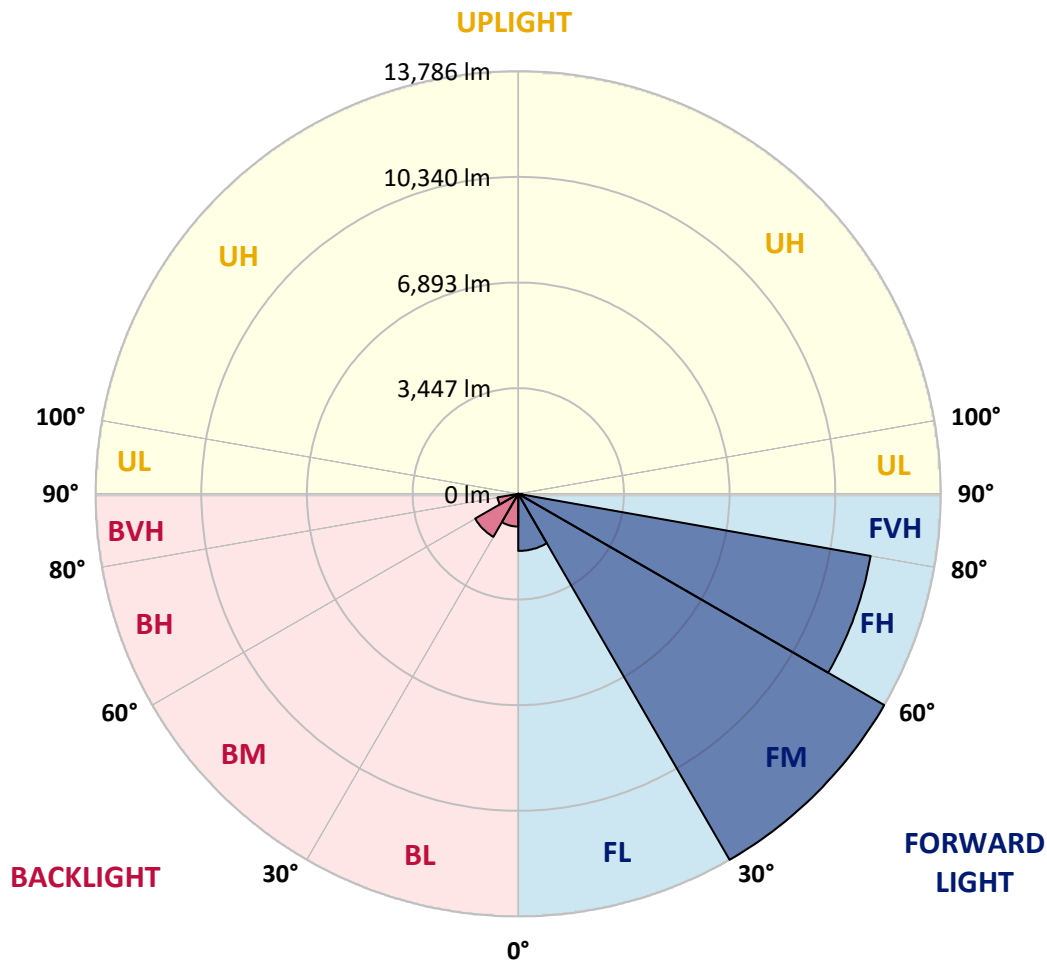
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1863.3	6.0			
FM (30°-60°)	13786.0	44.7			
FH (60°-80°)	11672.5	37.9			G4/12000
FVH (80°-90°)	125.8	0.4			G2/225
BL (0°-30°)	1068.3	3.5	B3/2500		
BM (30°-60°)	1621.3	5.3	B2/2500		
BH (60°-80°)	688.5	2.2	B2/1000		G2/1000
BVH (80°-90°)	2.3	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2
2.5°	3577.2	3593.2	3604.9	3612.2	3620.9	3639.9	3645.7	3654.4	3658.8	3658.8	3669.0
5°	3435.8	3453.3	3478.1	3498.5	3539.3	3591.8	3629.7	3644.2	3670.5	3693.8	3706.9
7.5°	3304.6	3325.0	3354.1	3402.3	3472.2	3556.8	3635.5	3655.9	3706.9	3756.5	3781.3
10°	3220.0	3236.1	3274.0	3342.5	3434.3	3552.4	3663.2	3688.0	3775.4	3858.5	3905.2
12.5°	3190.9	3205.5	3244.8	3322.1	3435.8	3574.3	3727.3	3763.8	3892.0	4013.0	4078.6
15°	3233.2	3236.1	3278.3	3351.2	3463.5	3628.2	3833.7	3877.5	4039.3	4196.7	4278.3
17.5°	3396.4	3383.3	3405.2	3437.2	3526.2	3699.6	3946.0	4011.6	4227.3	4412.4	4489.7
20°	3804.6	3804.6	3755.0	3667.6	3669.0	3810.4	4097.6	4171.9	4435.8	4650.0	4720.0
22.5°	4502.8	4489.7	4390.6	4176.3	3979.5	4001.4	4282.7	4378.9	4686.5	4915.3	4938.7
25°	5342.4	5326.4	5173.3	4871.6	4530.5	4310.4	4533.4	4644.2	4985.3	5187.9	5139.8
27.5°	6231.6	6218.5	6066.9	5692.3	5206.9	4803.1	4832.2	4937.2	5290.0	5489.7	5336.6
30°	7093.1	7097.5	6947.4	6562.5	6013.0	5431.4	5211.2	5272.5	5585.9	5788.5	5569.8
32.5°	7912.4	7918.2	7788.4	7358.4	6845.3	6161.7	5736.0	5720.0	5929.9	6129.6	5878.9
35°	8642.7	8657.2	8568.3	8234.5	7690.8	6975.1	6416.8	6378.9	6418.2	6644.2	6352.6
37.5°	9346.7	9355.5	9288.4	9007.1	8552.3	7868.6	7276.8	7222.9	7138.3	7311.8	6978.0
40°	10117.8	10096.0	10018.7	9763.6	9373.0	8855.5	8201.0	8107.7	7960.5	8115.0	7800.1
42.5°	10835.0	10810.2	10823.4	10534.7	10205.3	9870.0	9278.2	9117.9	9031.9	9209.7	8808.8
45°	11731.5	11718.4	11762.1	11511.4	11244.6	11001.2	10512.9	10337.9	10300.0	10508.5	10028.9
47.5°	12616.3	12648.4	12784.0	12677.5	12569.7	12355.4	11820.4	11741.7	11765.0	12017.2	11316.1
50°	13353.9	13391.8	13763.5	13886.0	14041.9	13916.6	13380.2	13332.0	13423.9	13651.3	12700.9
52.5°	13887.4	13964.7	14426.8	14990.9	15559.4	15643.9	15109.0	15065.2	15189.1	15224.1	13770.8
55°	14257.7	14326.2	14849.5	15881.6	17039.0	17403.4	17071.0	16901.9	16878.6	16533.1	14896.2
57.5°	14323.3	14316.0	15068.2	16457.3	18199.3	19139.5	18929.6	18763.4	18285.3	17743.0	16186.2
60°	13953.0	13995.3	14868.5	16657.0	18928.1	20452.9	20468.9	20253.2	19508.3	18919.4	17436.9
62.5°	12813.1	12985.1	13867.0	16133.7	18919.4	20982.0	21597.2	21432.4	20541.8	19882.9	18705.1
65°	10964.8	11026.0	11867.1	14340.8	17641.0	20760.4	22613.2	22551.9	21473.3	20818.8	19356.7
67.5°	8007.1	7874.5	8757.8	11292.7	14935.5	19468.9	23342.0	23419.3	22191.9	21011.2	18662.8
68°	7307.4	7346.8	8034.8	10539.1	14227.1	19012.7	23390.1	23508.2	22263.3	20885.8	18283.8
70°	4355.6	4431.4	5045.1	7256.4	10823.4	16431.1	22871.2	23140.9	21837.7	19592.8	15814.5
72.5°	1112.2	1202.6	1782.8	3247.7	6182.1	11577.0	19307.1	19763.4	18960.2	15894.7	10676.1
75°	457.7	481.0	637.0	1069.9	2303.2	5215.6	12725.6	13702.3	13144.0	9515.8	4825.0
77.5°	316.3	332.4	409.6	593.3	997.1	1768.2	6238.9	6944.4	6256.4	3247.7	1052.5
80°	227.4	240.5	293.0	395.0	572.9	631.2	2033.5	2351.3	1867.3	712.8	260.9
82.5°	135.6	145.8	218.7	281.3	348.4	301.7	505.8	574.3	540.8	354.2	116.6
85°	67.1	78.7	147.2	201.2	188.0	126.8	154.5	172.0	212.8	215.7	62.7
87.5°	4.4	8.7	86.0	121.0	52.5	29.2	45.2	55.4	75.8	106.4	26.2
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°	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2
2.5°	3673.4	3674.8	3664.6	3660.3	3663.2	3645.7	3638.4	3641.3	3641.3	3645.7	3638.4
5°	3709.8	3709.8	3692.3	3669.0	3655.9	3622.4	3600.5	3594.7	3590.3	3587.4	3581.5
7.5°	3788.5	3779.8	3749.2	3698.2	3654.4	3581.5	3526.2	3497.0	3482.4	3476.6	3472.2
10°	3915.4	3899.3	3848.3	3753.6	3653.0	3523.2	3402.3	3316.2	3244.8	3215.7	3198.2
12.5°	4085.9	4062.6	3976.6	3819.2	3642.8	3403.7	3141.3	2889.1	2654.5	2558.2	2510.1
15°	4282.7	4249.2	4113.6	3874.5	3583.0	3134.0	2564.1	2122.4	1797.3	1674.9	1622.4
17.5°	4482.4	4438.7	4233.1	3909.5	3403.7	2575.7	1798.8	1358.6	1141.4	1083.1	1062.7
20°	4683.6	4619.4	4336.6	3883.3	2998.5	1857.1	1186.6	992.7	930.0	912.5	906.7
22.5°	4874.5	4775.4	4429.9	3781.3	2374.6	1246.3	938.8	877.5	857.1	846.9	844.0
25°	5040.7	4902.2	4511.6	3466.4	1680.7	941.7	845.5	825.1	798.8	779.9	781.3
27.5°	5196.7	5029.0	4561.1	2947.5	1121.0	804.6	782.8	755.1	707.0	679.3	679.3
30°	5384.7	5198.1	4597.6	2268.2	825.1	711.4	693.9	651.6	586.0	549.5	549.5
32.5°	5667.5	5454.7	4574.2	1591.8	683.7	625.3	584.5	526.2	454.8	419.8	418.4
35°	6100.4	5851.2	4408.1	1043.7	603.5	543.7	478.1	406.7	344.0	314.9	313.4
37.5°	6683.5	6381.8	4034.9	746.3	540.8	467.9	389.2	310.5	263.8	244.9	243.4
40°	7440.1	6998.4	3501.4	604.9	482.5	395.0	300.3	240.5	208.4	193.9	195.3
42.5°	8348.2	7658.7	2861.4	521.9	425.6	325.1	234.7	189.5	169.1	158.9	156.0
45°	9356.9	8310.3	2190.9	465.0	368.8	262.4	183.7	150.1	134.1	128.3	128.3
47.5°	10466.2	8944.4	1603.5	415.4	307.6	202.6	147.2	122.4	109.3	105.0	103.5
50°	11473.5	9384.6	1155.9	363.0	252.2	160.3	119.5	102.0	93.3	87.5	87.5
52.5°	12313.1	9523.1	851.3	306.1	204.1	128.3	99.1	87.5	78.7	74.3	74.3
55°	13052.2	9466.2	632.6	252.2	164.7	105.0	84.5	74.3	67.1	62.7	62.7
57.5°	13760.6	9282.6	472.3	205.5	132.6	84.5	71.4	62.7	55.4	52.5	52.5
60°	14339.3	8976.5	351.3	166.2	106.4	68.5	59.8	51.0	45.2	40.8	40.8
62.5°	14808.7	8638.3	258.0	137.0	84.5	53.9	46.6	42.3	33.5	29.2	29.2
65°	14811.6	8077.1	193.9	113.7	65.6	42.3	35.0	33.5	21.9	17.5	16.0
67.5°	13740.2	6963.4	148.7	97.7	51.0	32.1	26.2	27.7	11.7	7.3	5.8
68°	13351.0	6680.6	139.9	96.2	48.1	30.6	24.8	27.7	10.2	5.8	4.4
70°	11256.3	5314.7	112.2	93.3	42.3	23.3	20.4	27.7	8.7	4.4	2.9
72.5°	7199.5	3084.5	83.1	74.3	32.1	17.5	13.1	24.8	8.7	2.9	1.5
75°	3064.1	956.2	56.8	52.5	18.9	13.1	8.7	16.0	5.8	1.5	0.0
77.5°	645.8	215.7	33.5	32.1	13.1	8.7	5.8	4.4	1.5	0.0	0.0
80°	166.2	62.7	17.5	16.0	7.3	4.4	2.9	0.0	0.0	0.0	0.0
82.5°	52.5	24.8	10.2	7.3	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	26.2	14.6	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.6	4.4	1.5	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)