

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: P321970

Luminaire Tested: **GAN-SA6C-750-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-750-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30095 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

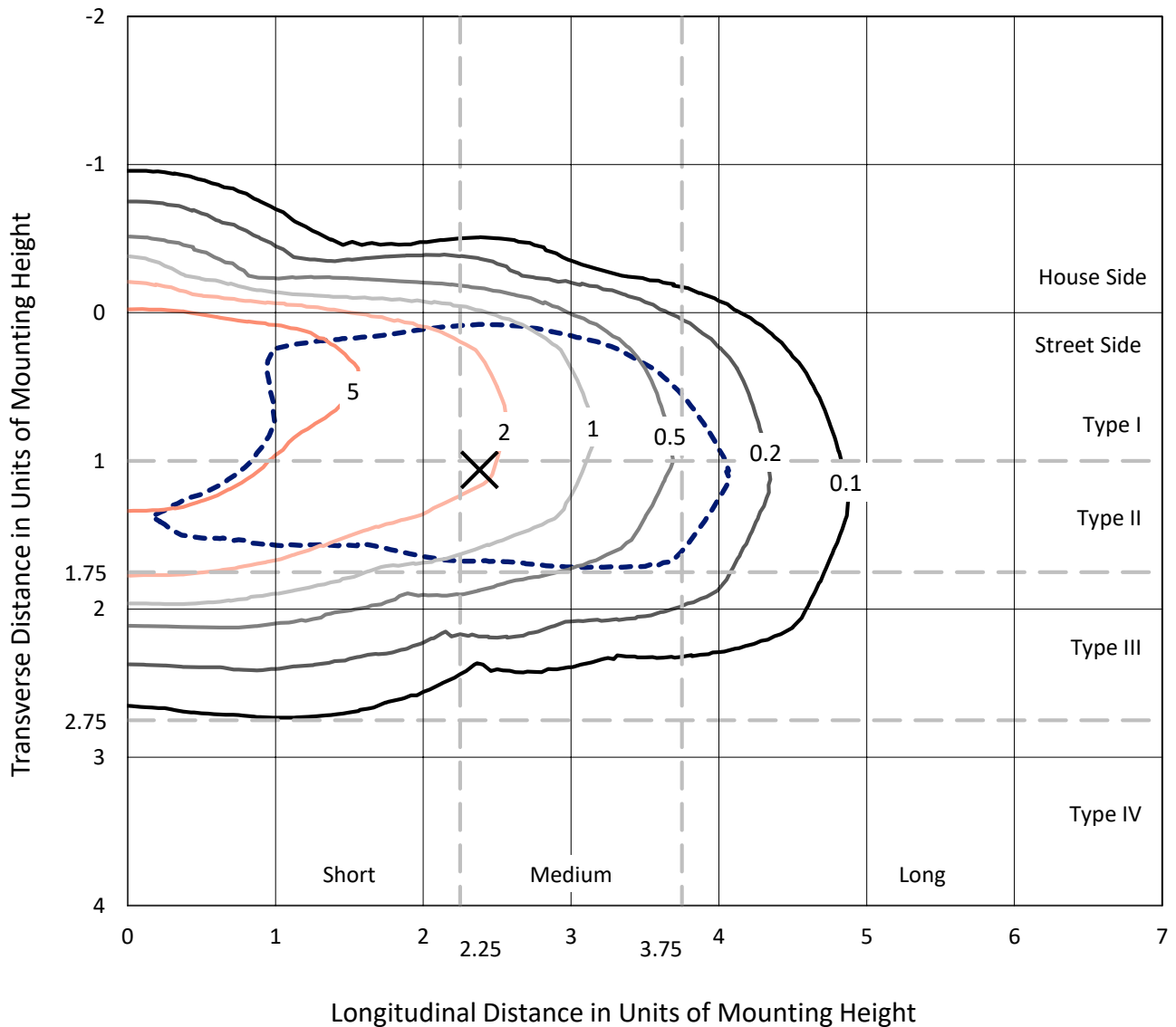
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

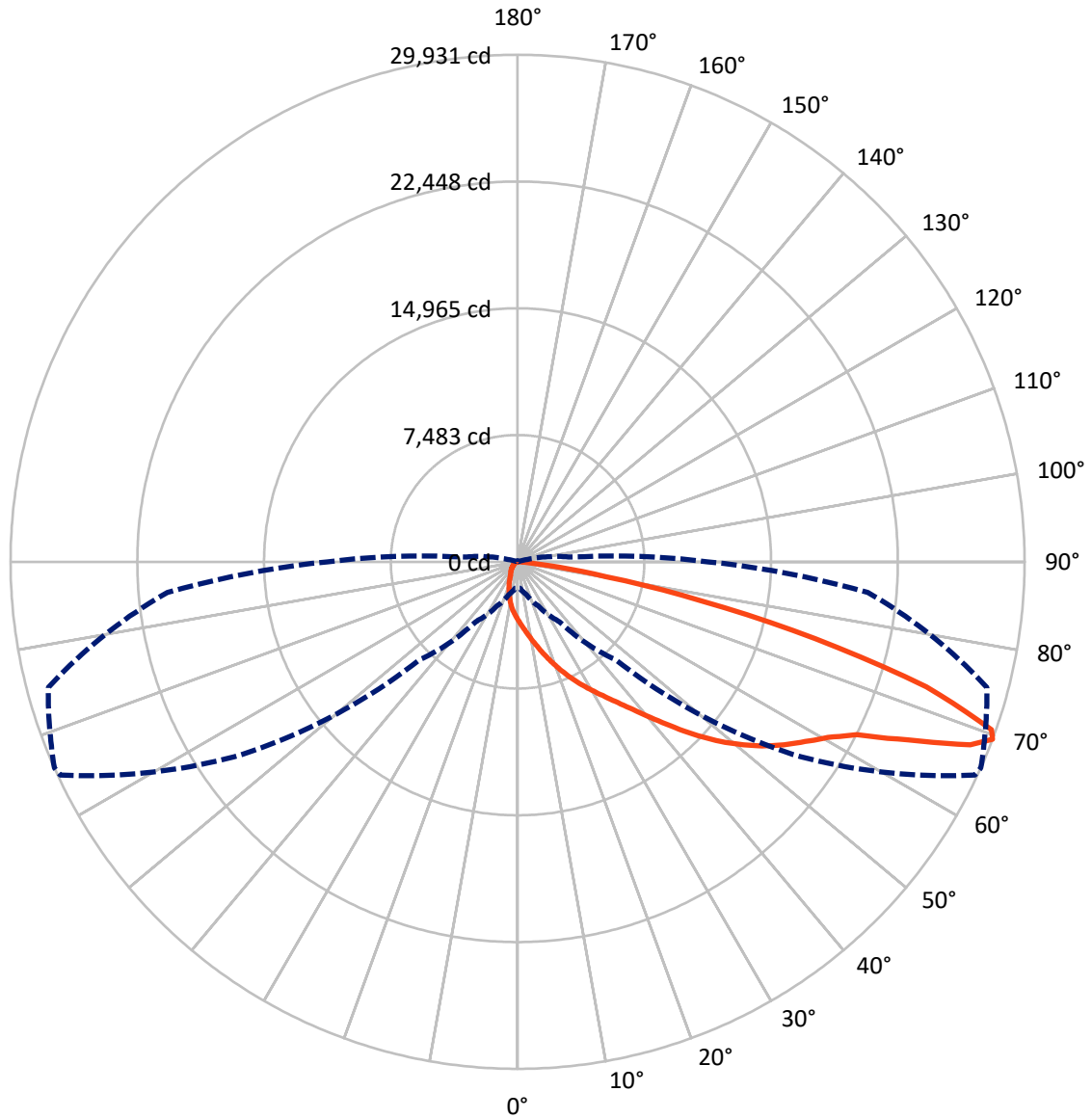
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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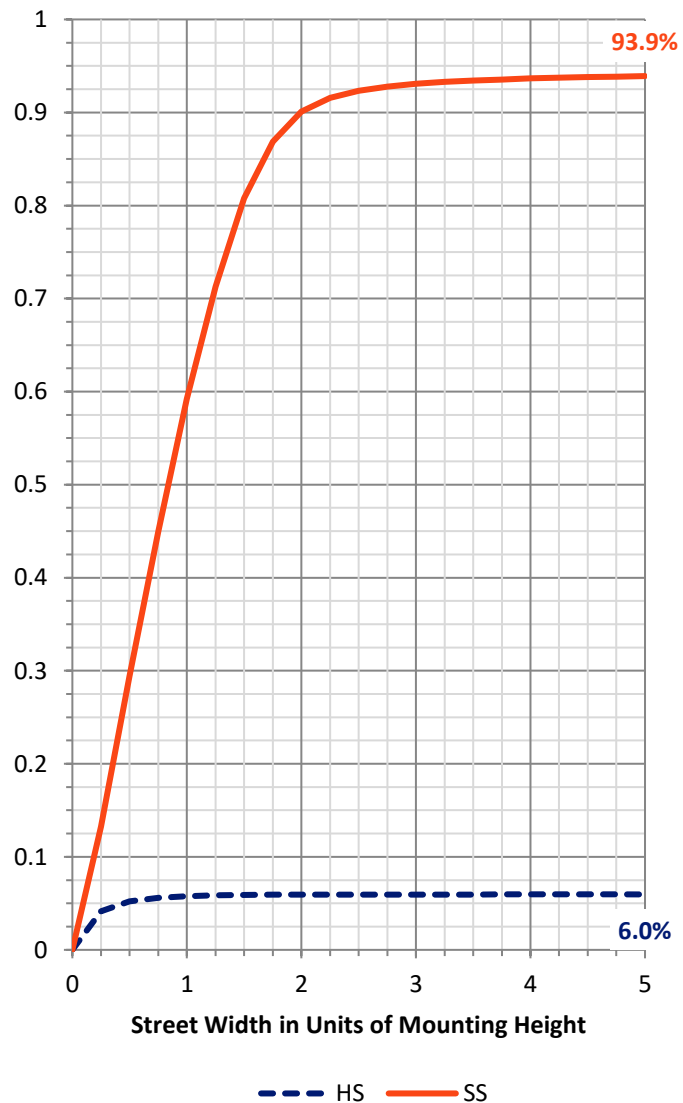
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1805.3	0.0	1805.3
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	28289.7	0.0	28289.7
	% Fixture	94.0	0.0	94.0
Total	Lumens	30095.0	0.0	30095.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.1	1.1
10°-20°	985.3	3.3
20°-30°	1715.8	5.7
30°-40°	3010.3	10.0
40°-50°	5038.8	16.7
50°-60°	7406.6	24.6
60°-70°	7604.7	25.3
70°-80°	3754.2	12.5
80°-90°	248.2	0.8
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°	30095.0	100.0
0°-180°	30095.0	100.0

Coefficient of Utilization



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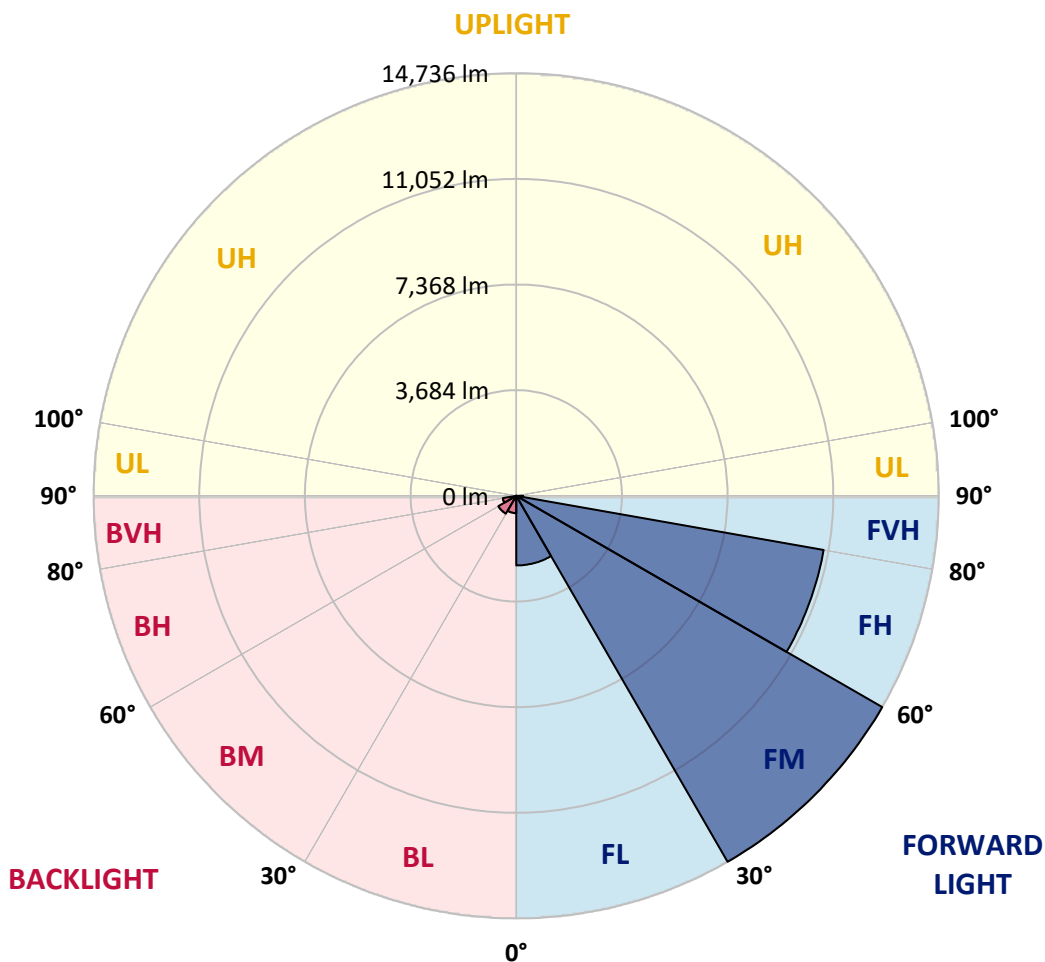
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2428.4	8.1			
FM (30°-60°)	14735.9	49.0			
FH (60°-80°)	10883.2	36.2			G4/12000
FVH (80°-90°)	242.2	0.8			G3/500
BL (0°-30°)	603.8	2.0	B2/1000		
BM (30°-60°)	719.8	2.4	B1/1000		
BH (60°-80°)	475.7	1.6	B1/500		G1/500
BVH (80°-90°)	6.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3424.9	3424.9	3424.9	3424.9	3424.9	3424.9	3424.9	3424.9	3424.9	3424.9	3424.9
2.5°	4031.0	4013.8	4006.7	3975.2	3920.9	3879.5	3799.4	3706.5	3689.4	3599.3	3489.2
5°	4554.2	4539.9	4529.9	4485.5	4429.8	4325.4	4179.6	4006.7	3973.8	3802.3	3582.1
7.5°	4918.7	4944.4	4944.4	4915.8	4845.8	4767.1	4588.5	4352.6	4311.2	4048.1	3706.5
10°	5131.6	5163.1	5187.4	5211.7	5201.7	5170.2	5001.6	4735.7	4685.7	4336.9	3850.9
12.5°	5151.7	5183.1	5251.7	5353.2	5451.8	5523.3	5417.5	5160.2	5103.1	4671.4	4022.4
15°	5040.2	5073.0	5178.8	5376.1	5614.8	5823.5	5857.8	5630.5	5571.9	5070.2	4236.8
17.5°	4845.8	4867.2	5018.7	5291.7	5666.2	6049.3	6256.6	6135.1	6080.8	5526.2	4475.5
20°	4701.4	4717.1	4850.0	5143.1	5634.8	6190.8	6634.0	6671.1	6614.0	6015.0	4734.3
22.5°	4948.7	4977.3	4981.6	5120.2	5549.0	6260.9	6965.6	7198.6	7155.7	6533.9	4988.7
25°	5624.8	5657.7	5549.0	5463.3	5621.9	6292.3	7250.1	7738.9	7704.6	7092.8	5244.6
27.5°	6518.2	6552.5	6412.4	6156.5	6003.6	6411.0	7503.1	8287.8	8286.4	7684.6	5520.4
30°	7395.9	7430.2	7287.2	7031.4	6679.7	6746.9	7721.8	8862.4	8871.0	8295.0	5813.5
32.5°	8316.4	8359.3	8212.1	7883.3	7515.9	7327.2	8029.1	9439.9	9488.5	9002.5	6143.7
35°	9362.7	9368.5	9161.2	8816.7	8393.6	8103.4	8522.2	10087.5	10203.3	9878.8	6562.5
37.5°	10389.1	10430.5	10260.4	9717.2	9328.4	8999.7	9255.5	10896.5	11060.9	10949.4	7110.0
40°	11149.5	11236.7	11212.4	10626.4	10257.6	10023.1	10166.1	11858.5	12067.2	12195.9	7800.4
42.5°	11627.0	11692.7	11804.2	11451.1	11116.7	11155.3	11241.0	12979.2	13236.5	13616.7	8593.7
45°	12174.4	12205.9	12298.8	12143.0	11917.1	12305.9	12381.7	14241.4	14511.5	15144.8	9474.2
47.5°	12843.4	12917.7	12943.5	12800.5	12697.6	13323.7	13480.9	15389.2	15768.0	16781.5	10406.2
50°	13695.3	13715.4	13759.7	13666.8	13563.8	14198.5	14467.2	16594.2	16938.7	18423.9	11325.4
52.5°	14528.7	14600.2	14754.5	14695.9	14654.5	14943.2	15346.3	17680.6	18065.1	19793.3	12243.0
55°	14768.8	14830.3	15363.5	15728.0	16065.3	15860.9	16186.8	18654.0	19070.0	21016.9	13126.4
57.5°	13809.7	13934.1	14857.5	15806.6	17206.0	17287.5	17341.8	19653.2	20026.3	21954.6	14045.6
60°	11385.4	11409.7	12924.9	14553.0	17017.3	18532.5	19028.5	20726.7	21039.7	22828.0	15146.2
62.5°	7241.5	7488.8	9151.2	11449.7	15021.9	18352.4	21068.3	22350.5	22464.9	23875.7	16724.3
65°	3449.2	3609.3	4807.2	7074.2	10880.8	16046.7	22476.3	25288.0	25339.5	25952.7	18832.7
67.5°	1909.7	1986.9	2557.2	3808.0	6361.0	11348.2	21907.4	28767.2	28815.8	28074.0	20682.4
69°	1493.8	1559.5	2008.3	2870.3	4312.6	8156.3	19824.7	29786.4	29930.8	28681.5	20748.1
70°	1267.9	1332.2	1729.6	2424.3	3467.8	6302.3	17646.3	29533.4	29686.3	28624.3	20257.8
72.5°	776.2	813.3	1152.1	1706.7	2324.2	3170.5	10882.2	24976.4	25235.1	26257.1	17410.4
75°	523.2	543.2	720.4	1177.8	1662.4	1632.4	5653.4	17604.8	18165.2	20425.1	12859.1
77.5°	374.5	393.1	483.1	761.9	1165.0	1077.8	2560.1	10940.8	11060.9	12250.2	7012.8
80°	213.0	230.1	341.6	453.1	790.5	719.0	1017.8	5226.0	5286.0	5253.1	2341.4
82.5°	111.5	125.8	187.3	298.8	507.4	470.3	423.1	1749.6	1758.2	1462.3	513.2
85°	21.4	25.7	92.9	204.4	261.6	204.4	173.0	410.2	418.8	370.2	127.2
87.5°	0.0	1.4	37.2	45.7	51.5	52.9	55.7	80.0	85.8	115.8	34.3
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°	3424.9	3424.9	3424.9	3424.9	3424.9	3424.9	3424.9	3424.9	3424.9	3424.9	3424.9
2.5°	3440.6	3389.2	3290.5	3176.2	3087.6	3000.4	2931.8	2860.3	2834.6	2821.7	2820.3
5°	3474.9	3366.3	3157.6	2943.2	2767.4	2601.6	2482.9	2370.0	2317.1	2292.8	2282.8
7.5°	3532.1	3357.7	3021.8	2694.5	2441.5	2234.2	2069.8	1946.9	1885.4	1859.7	1849.7
10°	3599.3	3346.3	2863.1	2431.5	2108.4	1894.0	1731.0	1609.5	1542.4	1513.8	1499.5
12.5°	3677.9	3326.3	2680.2	2165.6	1823.9	1609.5	1412.3	1262.2	1185.0	1152.1	1136.4
15°	3775.1	3306.3	2488.6	1915.4	1573.8	1312.2	1096.4	994.9	979.2	973.4	974.9
17.5°	3870.9	3274.8	2279.9	1668.1	1310.8	1024.9	914.8	909.1	912.0	912.0	912.0
20°	3956.7	3203.3	2052.7	1456.6	1060.6	864.8	841.9	831.9	824.8	819.1	811.9
22.5°	4023.8	3107.6	1834.0	1246.5	866.2	791.9	756.2	724.7	699.0	681.8	673.3
25°	4069.6	2980.4	1633.8	1044.9	779.0	720.4	656.1	603.2	563.2	538.9	528.9
27.5°	4103.9	2843.1	1455.2	874.8	719.0	637.5	553.2	490.3	448.8	427.4	418.8
30°	4128.2	2687.3	1297.9	769.0	651.8	550.3	460.3	398.8	368.8	357.4	351.6
32.5°	4151.1	2514.4	1149.3	719.0	588.9	470.3	385.9	338.8	320.2	305.9	301.6
35°	4208.2	2354.3	1007.7	666.1	524.6	401.7	331.6	297.3	278.7	270.2	267.3
37.5°	4344.0	2235.6	872.0	611.8	460.3	347.4	290.2	265.9	248.7	240.1	237.3
40°	4562.7	2175.6	757.6	553.2	397.4	305.9	263.0	240.1	221.6	208.7	205.8
42.5°	4884.4	2184.2	677.5	494.6	347.4	273.0	237.3	210.1	190.1	178.7	175.8
45°	5274.6	2247.1	621.8	437.4	305.9	247.3	208.7	180.1	161.5	151.5	148.7
47.5°	5697.7	2348.5	576.1	385.9	273.0	223.0	180.1	150.1	134.4	125.8	124.4
50°	6143.7	2447.2	528.9	335.9	244.4	198.7	151.5	124.4	111.5	104.3	101.5
52.5°	6595.4	2561.5	486.0	290.2	220.1	170.1	125.8	101.5	91.5	85.8	82.9
55°	7081.4	2647.3	444.6	254.4	195.8	144.4	104.3	84.3	75.8	68.6	67.2
57.5°	7653.2	2780.2	401.7	220.1	167.2	120.1	85.8	67.2	60.0	52.9	51.5
60°	8425.0	2936.0	355.9	194.4	137.2	98.6	70.0	54.3	45.7	40.0	38.6
62.5°	9442.8	3109.0	298.8	170.1	111.5	80.0	55.7	42.9	32.9	25.7	25.7
65°	10733.6	3390.6	244.4	142.9	91.5	65.8	42.9	31.4	18.6	11.4	11.4
67.5°	11486.9	3439.2	197.3	117.2	74.3	55.7	35.7	21.4	5.7	1.4	0.0
69°	11245.3	3157.6	167.2	100.1	64.3	52.9	32.9	15.7	2.9	0.0	0.0
70°	10790.7	2887.4	147.2	88.6	58.6	50.0	31.4	11.4	2.9	0.0	0.0
72.5°	8916.8	2055.5	111.5	65.8	42.9	44.3	28.6	7.1	2.9	0.0	0.0
75°	6495.3	1249.3	80.0	45.7	27.2	32.9	20.0	2.9	1.4	0.0	0.0
77.5°	3613.6	588.9	50.0	25.7	17.2	20.0	10.0	0.0	0.0	0.0	0.0
80°	1173.6	160.1	22.9	14.3	10.0	11.4	4.3	0.0	0.0	0.0	0.0
82.5°	217.3	45.7	12.9	7.1	2.9	2.9	0.0	0.0	0.0	0.0	0.0
85°	47.2	18.6	7.1	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.7	5.7	1.4	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)