

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: P320030

Luminaire Tested: **GAN-SA6A-750-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-750-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26485 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

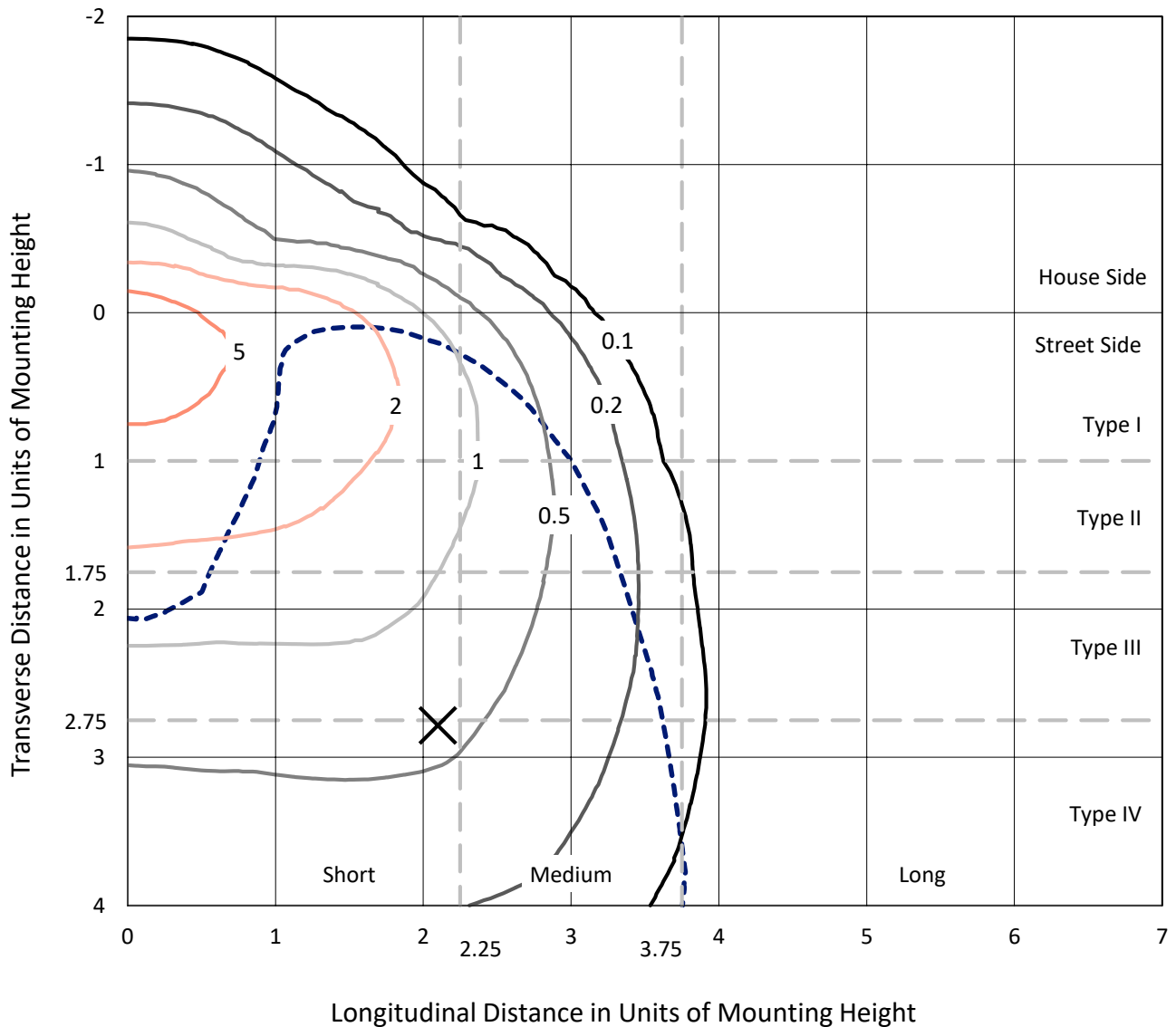
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

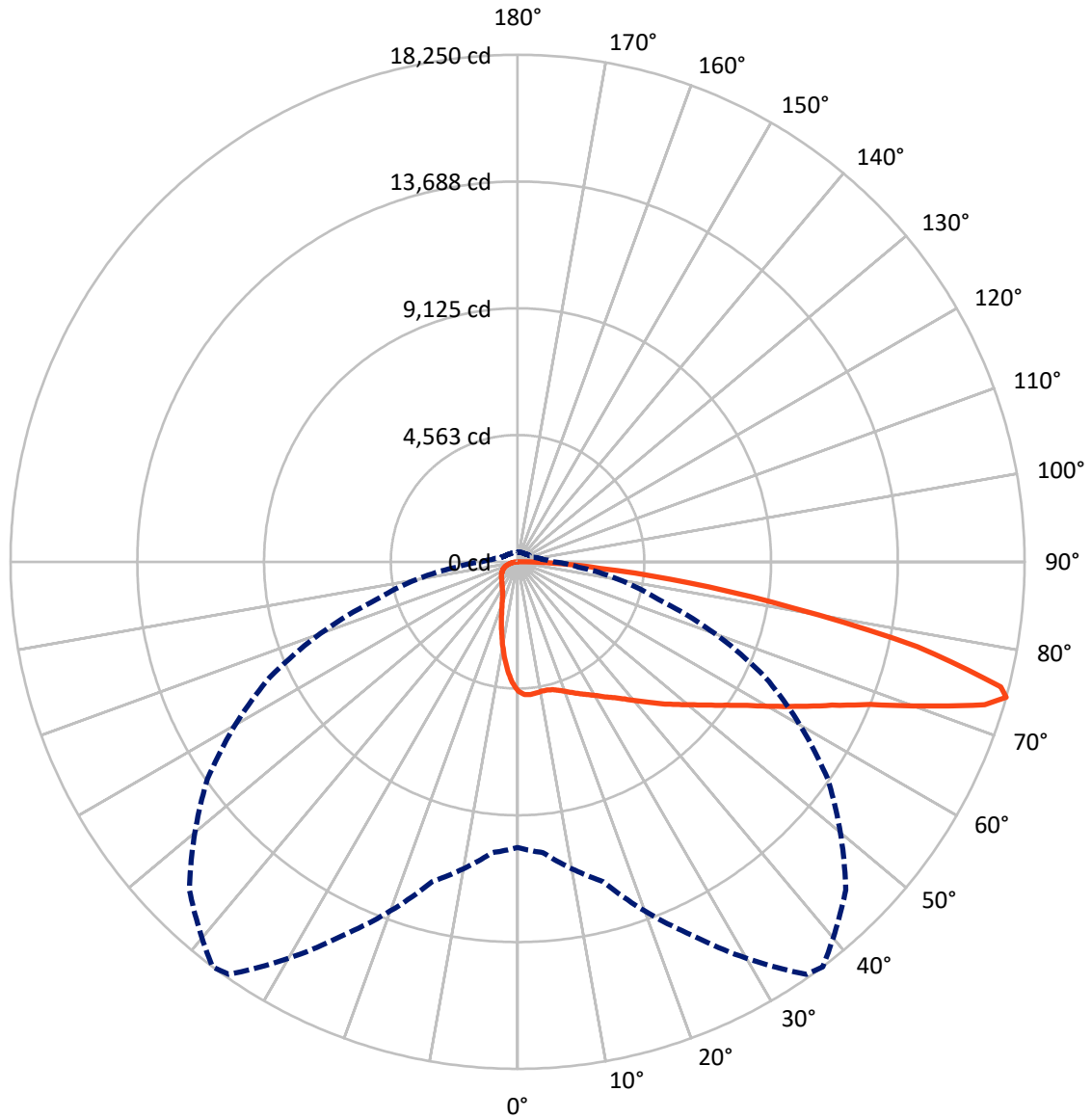
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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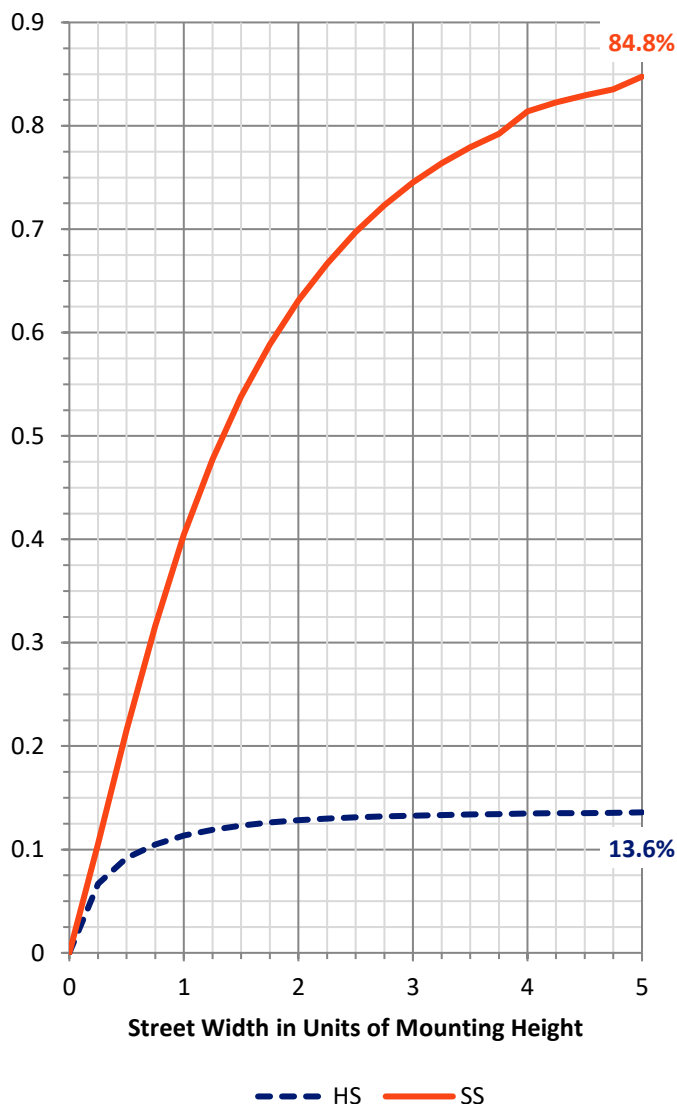
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3644.2	0.0	3644.2
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	22840.8	0.0	22840.8
	% Fixture	86.2	0.0	86.2
Total	Lumens	26485.0	0.0	26485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.9	1.6
10°-20°	1053.4	4.0
20°-30°	1623.0	6.1
30°-40°	2360.1	8.9
40°-50°	3473.7	13.1
50°-60°	4878.1	18.4
60°-70°	6174.2	23.3
70°-80°	5436.6	20.5
80°-90°	1074.9	4.1
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°	26485.0	100.0
0°-180°	26485.0	100.0

Coefficient of Utilization



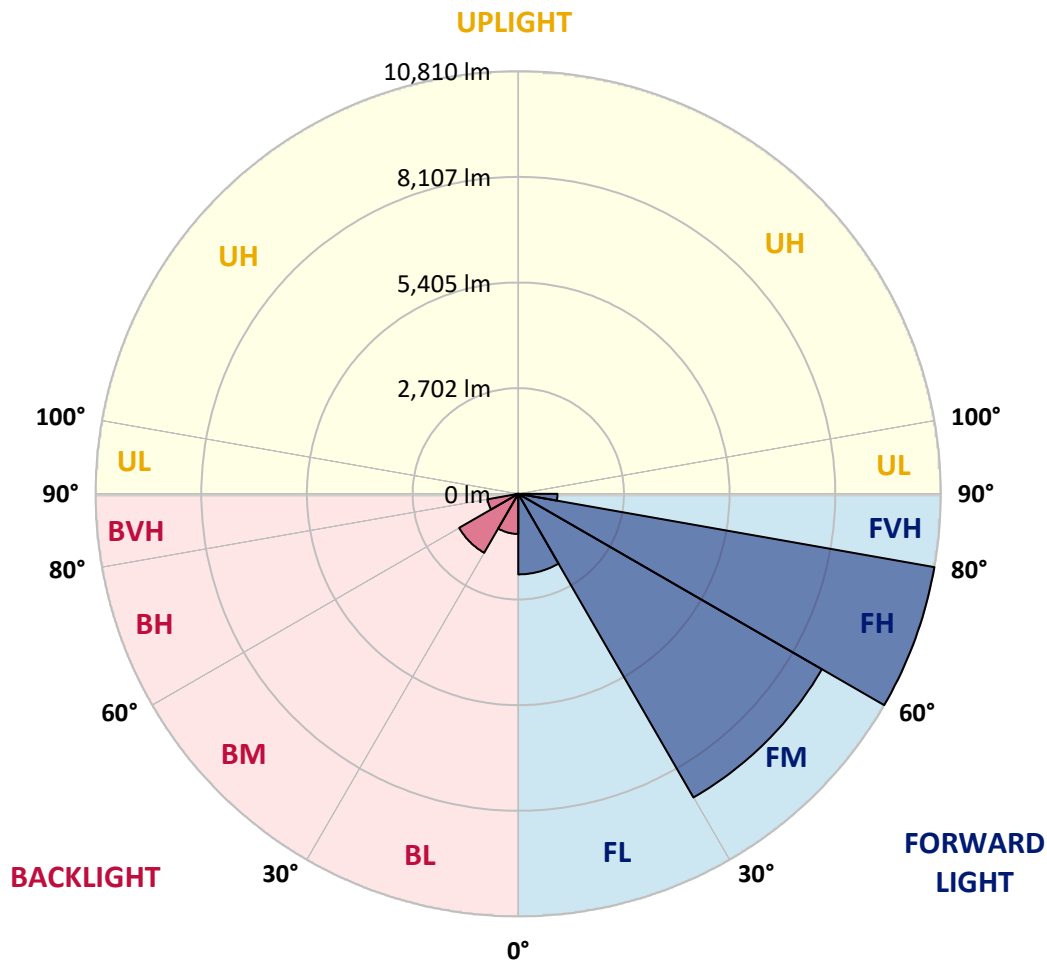
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2060.8	7.8			
FM (30°-60°)	8968.0	33.9			
FH (60°-80°)	10809.8	40.8			G4/12000
FVH (80°-90°)	1002.1	3.8			G5
BL (0°-30°)	1026.5	3.9	B3/2500		
BM (30°-60°)	1743.9	6.6	B2/2500		
BH (60°-80°)	801.0	3.0	B2/1000		G2/1000
BVH (80°-90°)	72.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	4666.6	4666.6	4666.6	4666.6	4666.6	4666.6	4666.6	4666.6	4666.6	4666.6	4666.6
2.5°	4826.1	4827.0	4826.1	4818.6	4800.9	4786.0	4773.8	4756.1	4716.9	4687.1	4642.3
5°	4871.8	4866.2	4862.5	4848.5	4820.5	4803.7	4780.4	4746.8	4682.4	4622.7	4549.9
7.5°	4850.3	4843.8	4835.4	4818.6	4786.9	4772.9	4740.3	4696.4	4619.0	4540.6	4436.1
10°	4784.1	4782.2	4778.5	4774.8	4747.7	4736.5	4706.7	4660.0	4583.5	4488.4	4366.1
12.5°	4710.4	4715.1	4730.0	4749.6	4737.5	4731.9	4713.2	4681.5	4603.1	4500.5	4353.1
15°	4663.8	4676.8	4716.9	4768.2	4778.5	4776.6	4772.0	4751.5	4668.4	4554.6	4382.9
17.5°	4647.9	4669.4	4745.9	4830.8	4860.6	4867.1	4869.0	4833.6	4741.2	4620.8	4413.7
20°	4676.8	4703.9	4815.8	4932.4	4980.0	4983.8	4975.4	4913.8	4810.2	4677.7	4430.5
22.5°	4764.5	4788.8	4928.7	5060.3	5114.4	5120.0	5094.8	5001.5	4883.0	4744.9	4453.8
25°	4933.4	4963.2	5103.2	5234.7	5262.7	5263.6	5227.2	5111.6	4978.2	4839.1	4504.2
27.5°	5153.5	5183.4	5309.3	5438.1	5423.2	5414.8	5365.3	5249.6	5102.2	4968.8	4593.8
30°	5398.9	5431.6	5551.0	5642.4	5607.0	5590.2	5550.0	5400.8	5274.8	5146.1	4730.9
32.5°	5652.7	5682.5	5787.0	5849.5	5804.7	5797.3	5736.6	5600.4	5499.7	5416.6	4953.0
35°	5913.0	5934.4	6037.0	6072.5	6012.8	6010.9	5994.1	5869.1	5805.7	5844.9	5275.8
37.5°	6178.8	6184.4	6272.1	6274.0	6256.3	6263.7	6281.5	6203.1	6220.8	6343.0	5695.6
40°	6415.8	6430.7	6494.2	6513.8	6544.6	6570.7	6659.3	6608.0	6745.1	6961.6	6218.0
42.5°	6591.2	6620.1	6721.8	6772.2	6872.0	6913.1	7038.1	7085.7	7361.8	7686.5	6839.4
45°	6739.5	6784.3	6947.6	7051.1	7220.0	7291.8	7471.0	7630.5	8058.7	8472.9	7493.4
47.5°	6900.0	6956.9	7161.2	7359.0	7588.5	7669.7	7995.3	8234.1	8802.3	9264.1	8110.0
50°	7136.0	7179.9	7379.5	7690.2	7976.6	8081.1	8531.7	8874.1	9557.9	10017.9	8644.6
52.5°	7465.4	7448.6	7617.4	8053.1	8437.5	8566.2	9104.5	9555.1	10323.9	10699.9	9096.1
55°	7796.6	7768.6	7887.1	8432.8	8974.9	9110.1	9735.2	10239.0	11052.5	11313.7	9442.3
57.5°	8165.1	8111.9	8211.7	8861.0	9586.9	9748.3	10441.4	10965.7	11769.0	11810.1	9662.4
60°	8544.8	8472.9	8584.9	9391.9	10364.0	10554.3	11268.0	11674.8	12444.5	12207.5	9733.3
62.5°	8876.9	8826.5	8999.1	9984.3	11240.0	11449.0	12079.7	12428.6	13110.6	12372.6	9477.7
65°	9167.0	9175.4	9474.0	10650.4	12216.8	12439.8	13010.7	13357.8	13634.9	12274.7	8879.7
67.5°	9513.2	9560.7	10070.1	11527.4	13446.4	13690.9	14365.4	14371.0	13927.8	11700.0	7702.3
70°	10017.9	10115.8	10890.2	12743.9	15194.8	15530.6	16051.2	14966.2	13516.4	10142.0	6060.4
72.5°	10465.7	10648.6	11762.5	14135.9	17325.6	17580.3	17037.3	14622.9	11797.0	7600.6	3775.6
74°	10283.8	10510.5	11921.1	14821.6	18127.9	18250.1	16704.2	13620.9	9836.0	5263.6	2194.3
75°	9891.9	10138.2	11689.7	14815.1	18026.2	17958.1	15900.1	12476.2	8100.7	3589.9	1460.0
77.5°	7983.1	8243.4	9850.0	12697.3	14780.5	14716.2	12214.0	8369.4	3548.0	1177.4	741.7
80°	4641.4	4840.1	6114.5	8063.4	9966.6	10083.2	8032.6	4141.3	1395.7	661.5	502.9
82.5°	2061.8	2198.9	2953.7	4116.1	6014.6	6164.9	4206.6	2170.0	862.0	402.1	302.3
85°	1352.8	1454.4	1793.1	1960.1	2864.1	2966.7	2059.0	1689.6	569.1	221.1	222.0
87.5°	973.1	1071.0	1332.2	1163.4	1314.5	1244.5	1120.5	1563.6	228.6	125.9	74.6
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°	4666.6	4666.6	4666.6	4666.6	4666.6	4666.6	4666.6	4666.6	4666.6	4666.6	4666.6
2.5°	4622.7	4607.8	4574.2	4510.8	4475.3	4445.4	4396.0	4367.1	4354.0	4353.1	4358.7
5°	4508.0	4473.4	4386.7	4280.3	4195.4	4118.0	4021.9	3964.1	3923.0	3898.7	3905.3
7.5°	4374.5	4320.4	4184.2	4014.4	3878.2	3728.0	3579.7	3491.1	3422.0	3370.7	3380.0
10°	4283.1	4208.5	4009.8	3765.3	3538.6	3320.3	3116.0	2993.8	2896.8	2822.1	2827.7
12.5°	4252.3	4151.6	3876.4	3549.8	3231.7	2933.2	2666.3	2478.8	2379.0	2294.1	2300.6
15°	4257.0	4121.7	3764.4	3355.8	2955.5	2579.6	2255.8	2036.6	1901.3	1842.6	1843.5
17.5°	4260.7	4087.2	3646.9	3147.7	2682.2	2249.3	1897.6	1675.6	1547.7	1493.6	1494.6
20°	4248.6	4031.2	3501.3	2908.9	2396.7	1946.1	1605.6	1417.1	1320.1	1278.1	1278.1
22.5°	4232.7	3965.0	3337.1	2669.1	2115.0	1683.0	1396.6	1252.9	1197.0	1169.0	1168.0
25°	4240.2	3915.5	3169.2	2422.8	1855.6	1473.1	1257.6	1162.4	1125.1	1107.4	1106.5
27.5°	4280.3	3892.2	3014.3	2177.5	1628.9	1315.4	1164.3	1097.1	1072.9	1061.7	1061.7
30°	4353.1	3892.2	2852.9	1968.5	1440.5	1198.8	1092.5	1046.8	1030.0	1022.5	1022.5
32.5°	4480.0	3913.7	2697.1	1761.4	1290.3	1107.4	1032.8	1002.0	988.9	985.2	985.2
35°	4698.3	3986.4	2545.1	1565.5	1169.0	1032.8	975.9	958.1	948.8	947.9	950.7
37.5°	5005.2	4134.8	2402.3	1420.9	1083.1	972.1	928.3	914.3	908.7	913.3	917.1
40°	5391.4	4336.3	2272.6	1290.3	1017.8	923.6	884.4	875.1	872.3	878.8	884.4
42.5°	5857.9	4608.7	2166.3	1196.0	967.5	882.6	847.1	835.9	833.1	840.6	848.0
45°	6362.6	4901.7	2091.6	1126.1	928.3	851.8	814.5	802.3	796.7	800.5	808.9
47.5°	6821.6	5178.7	2061.8	1076.6	891.0	825.6	785.5	770.6	761.3	759.4	765.9
50°	7208.8	5384.9	2075.8	1046.8	861.1	796.7	757.5	740.8	726.8	718.4	723.0
52.5°	7490.6	5514.6	2088.8	1033.7	837.8	765.0	726.8	710.9	692.2	678.2	678.2
55°	7694.9	5544.4	2059.9	1023.4	820.1	730.5	692.2	677.3	658.7	642.8	640.9
57.5°	7775.1	5460.5	1952.6	1008.5	807.9	697.8	655.9	644.7	628.8	610.1	609.2
60°	7666.9	5201.1	1745.5	976.8	792.1	670.8	619.5	612.0	604.5	586.8	585.9
62.5°	7232.1	4632.0	1477.8	912.4	760.3	641.9	585.9	589.6	590.5	578.4	576.6
65°	6443.8	3850.2	1216.6	828.4	712.8	607.3	551.4	569.1	579.4	577.5	574.7
67.5°	5298.2	2996.6	1030.9	739.8	650.3	559.8	514.0	534.6	543.0	549.5	547.6
70°	3932.3	2113.1	852.7	646.5	574.7	503.8	465.5	475.8	470.2	477.7	480.5
72.5°	2192.4	1267.9	695.0	553.2	496.3	438.5	411.4	409.6	397.4	397.4	397.4
74°	1315.4	930.1	611.1	495.4	448.7	395.6	372.2	363.8	352.7	353.6	352.7
75°	1058.0	799.5	560.7	457.1	415.2	370.4	347.1	335.9	327.5	327.5	326.5
77.5°	668.0	607.3	451.5	363.8	332.1	305.1	289.2	274.3	274.3	273.4	272.4
80°	504.7	483.3	351.7	275.2	254.7	234.2	223.9	217.4	217.4	220.2	219.2
82.5°	346.1	363.8	247.2	192.2	181.9	167.0	165.1	166.1	163.3	159.5	158.6
85°	252.8	273.4	167.0	121.3	111.0	101.7	109.2	112.9	108.2	99.8	96.1
87.5°	97.0	179.1	89.6	50.4	46.6	40.1	46.6	48.5	52.2	41.0	42.0
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)