

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: P319447

Luminaire Tested: **GAN-SA3C-760-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-760-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21154 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 166
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

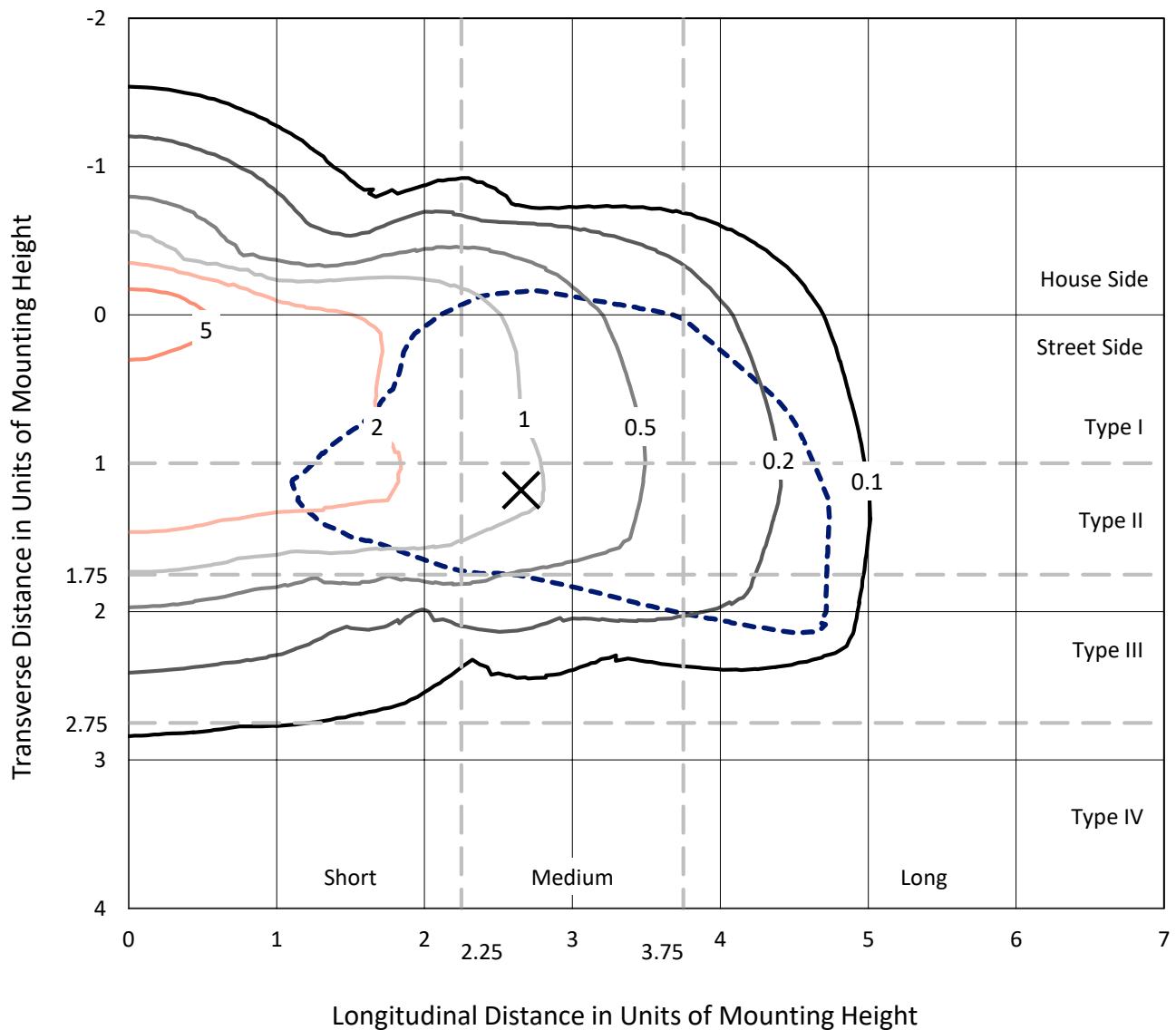


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Iso-Footcandle Lines of Horizontal Illumination

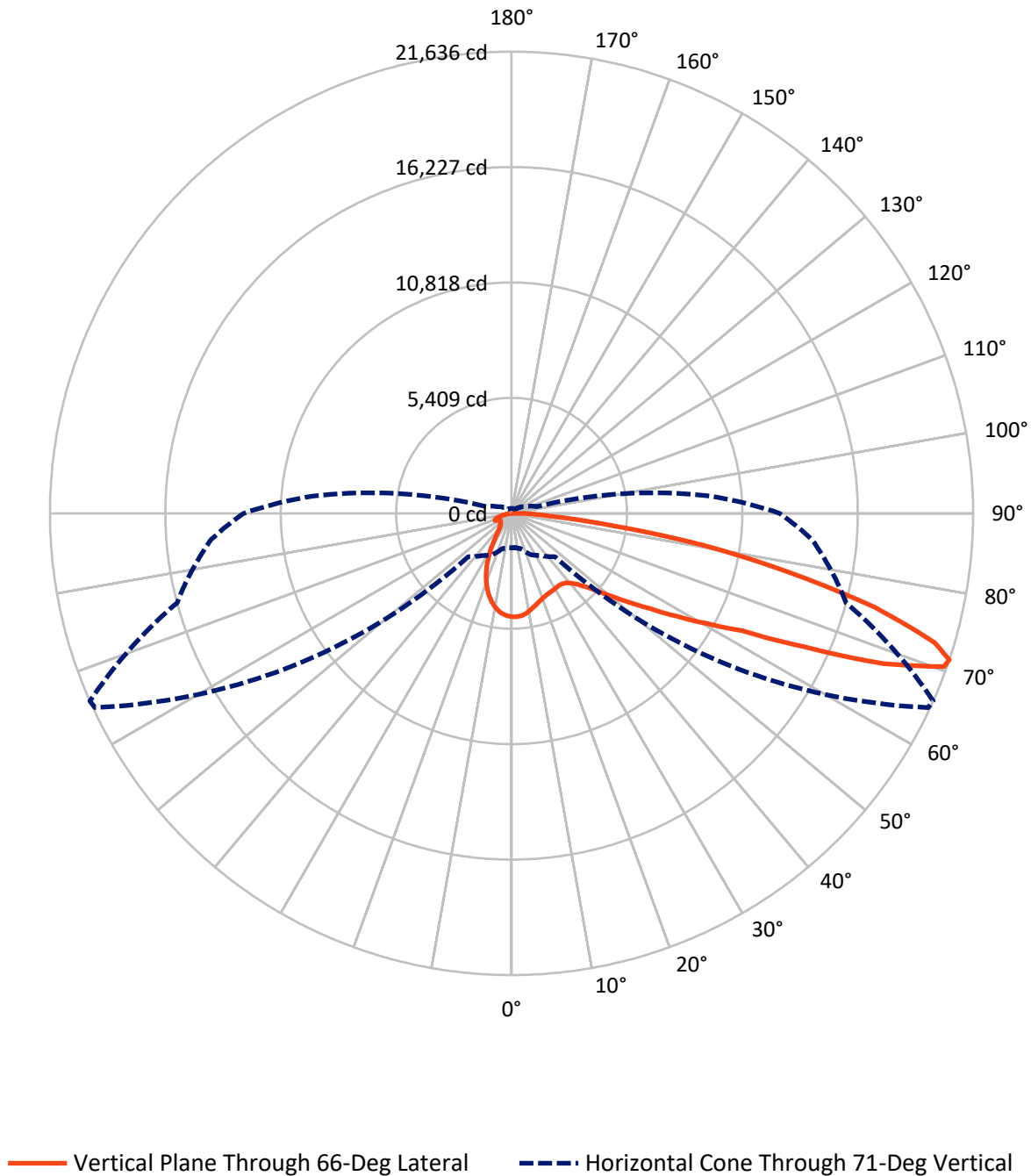
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3920.4	0.0	3920.4
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	17233.6	0.0	17233.6
	% Fixture	81.5	0.0	81.5
Total	Lumens	21154.0	0.0	21154.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.6	2.0
10°-20°	1023.1	4.8
20°-30°	1374.3	6.5
30°-40°	1807.8	8.5
40°-50°	2629.9	12.4
50°-60°	4108.2	19.4
60°-70°	5146.1	24.3
70°-80°	3925.3	18.6
80°-90°	712.8	3.4
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°	21154.0	100.0
0°-180°	21154.0	100.0

Coefficient of Utilization



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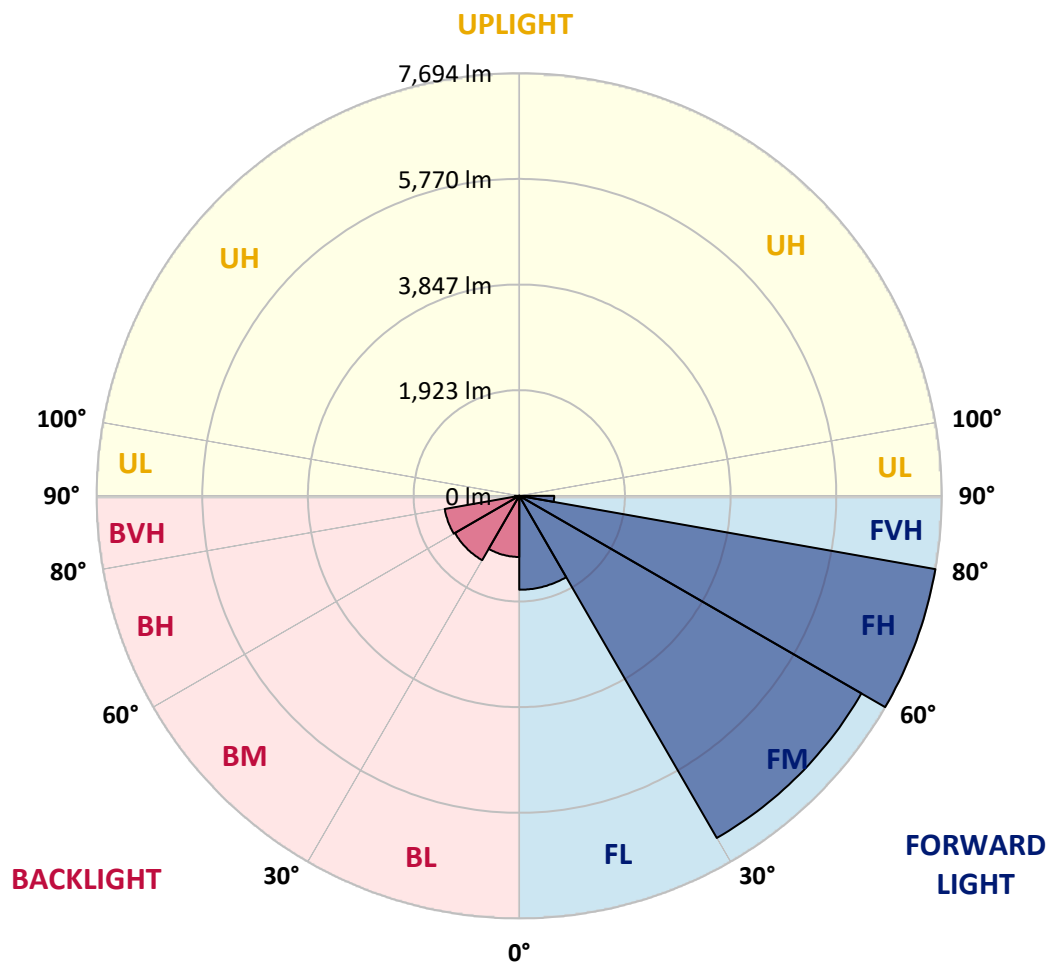
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1710.6	8.1			
FM	(30°-60°)	7193.4	34.0			
FH	(60°-80°)	7693.9	36.4			G4/12000
FVH	(80°-90°)	635.6	3.0			G4/750
BL	(0°-30°)	1113.3	5.3	B3/2500		
BM	(30°-60°)	1352.4	6.4	B2/2500		
BH	(60°-80°)	1377.5	6.5	B3/2500		G3/2500
BVH	(80°-90°)	77.2	0.4			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4846.0	4846.0	4846.0	4846.0	4846.0	4846.0	4846.0	4846.0	4846.0	4846.0	4846.0
2.5°	4756.1	4748.8	4770.7	4793.4	4802.1	4816.8	4838.7	4851.1	4850.4	4852.5	4845.2
5°	4440.6	4431.1	4474.9	4510.7	4579.4	4656.8	4751.0	4818.2	4819.7	4857.7	4867.9
7.5°	4141.9	4135.3	4185.7	4243.4	4323.0	4441.3	4594.0	4738.6	4747.4	4850.4	4886.1
10°	3902.3	3900.9	3949.8	4012.6	4105.4	4237.6	4412.9	4624.7	4637.8	4815.3	4889.1
12.5°	3715.4	3718.3	3760.6	3832.2	3930.1	4068.1	4258.0	4496.9	4518.0	4759.8	4872.3
15°	3577.3	3589.0	3623.3	3695.6	3792.1	3932.3	4127.3	4378.5	4410.7	4697.7	4862.8
17.5°	3498.4	3511.6	3535.7	3595.6	3686.2	3821.3	4006.1	4281.4	4310.6	4650.2	4863.5
20°	3475.1	3486.0	3499.9	3536.4	3613.1	3735.8	3910.4	4193.8	4225.2	4612.3	4870.8
22.5°	3521.1	3529.1	3530.6	3527.7	3574.4	3674.5	3841.0	4129.5	4163.1	4587.4	4875.9
25°	3619.7	3630.6	3622.6	3595.6	3580.2	3641.6	3805.2	4087.1	4120.7	4569.2	4865.7
27.5°	3768.0	3769.4	3762.8	3727.8	3655.5	3645.3	3794.2	4062.3	4094.4	4548.0	4844.5
30°	3969.5	3979.0	3967.3	3919.9	3801.5	3703.7	3807.4	4038.2	4067.4	4521.0	4810.2
32.5°	4205.4	4228.8	4228.1	4178.4	4009.0	3834.4	3861.4	4023.6	4046.2	4492.5	4768.6
35°	4450.1	4482.3	4542.1	4521.0	4311.3	4041.1	3965.2	4047.0	4062.3	4488.8	4739.3
37.5°	4704.3	4736.4	4859.8	4916.8	4671.4	4336.9	4128.8	4129.5	4136.8	4533.4	4737.1
40°	4970.1	5004.5	5190.0	5338.2	5138.1	4711.6	4392.4	4301.8	4293.8	4642.9	4780.2
42.5°	5342.6	5373.3	5596.1	5785.2	5655.9	5191.4	4756.9	4567.7	4550.9	4857.7	4918.3
45°	5813.7	5840.0	6076.6	6278.9	6212.5	5739.2	5214.8	4933.6	4930.7	5215.5	5198.0
47.5°	6373.9	6394.3	6606.9	6802.6	6826.7	6369.5	5790.3	5498.2	5450.7	5706.3	5631.1
50°	6957.5	6980.1	7124.7	7335.1	7514.0	7213.1	6530.9	6189.8	6126.3	6354.2	6244.6
52.5°	7343.8	7373.8	7499.4	7766.0	8286.7	8137.7	7406.6	7028.3	6931.9	7139.3	7055.3
55°	7171.5	7238.6	7430.7	7858.0	8904.6	9550.3	8486.8	8006.3	7897.4	8069.8	8020.1
57.5°	6387.8	6479.8	6742.0	7401.5	8991.5	10794.8	10119.9	9158.0	9081.4	9031.7	9054.3
60°	4955.5	5043.9	5368.9	6228.6	8386.1	11703.4	12577.6	10577.9	10466.9	9997.2	10017.7
62.5°	3507.2	3462.7	3685.4	4314.3	6814.3	11810.0	15374.2	12476.8	12111.6	11016.8	10927.0
65°	2674.6	2664.4	2764.4	2964.6	4127.3	10534.1	17040.1	15668.5	15098.1	12216.1	12004.3
67.5°	2197.7	2179.4	2278.0	2569.4	2657.8	6796.0	17076.7	19371.5	18811.3	13709.0	13250.3
70°	1806.9	1786.5	1878.5	2254.6	2456.2	3446.6	14372.1	21539.9	21510.0	15599.1	14191.0
71°	1619.9	1605.3	1715.6	2133.4	2413.1	2872.5	12408.9	21545.8	21635.6	16238.9	14135.5
72.5°	1319.0	1324.2	1441.0	1898.9	2381.0	2536.6	9120.1	20541.5	20731.4	16848.8	13630.8
75°	876.4	880.8	1034.2	1460.7	2308.7	2481.8	5012.5	17236.6	17585.7	16483.6	12438.1
77.5°	588.7	587.2	691.7	1002.1	2011.4	2481.8	2939.0	12891.7	13275.1	13115.9	9589.0
80°	405.4	402.4	476.2	691.7	1522.8	2511.7	2272.2	9034.6	9150.7	7083.1	3897.2
82.5°	248.3	250.5	311.1	488.6	1036.4	2260.5	2145.1	4926.3	4800.0	1986.6	973.6
85°	142.4	141.7	198.7	330.9	665.4	1907.7	2091.8	2120.2	1945.0	598.2	352.0
87.5°	51.1	54.8	106.6	183.3	381.3	1328.5	1774.8	1102.9	994.0	270.2	159.2
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°	4846.0	4846.0	4846.0	4846.0	4846.0	4846.0	4846.0	4846.0	4846.0	4846.0	4846.0
2.5°	4840.1	4844.5	4839.4	4810.2	4785.4	4745.2	4722.5	4691.1	4681.6	4677.3	4688.9
5°	4858.4	4859.8	4816.8	4740.1	4653.9	4552.4	4479.3	4389.5	4347.1	4328.9	4340.6
7.5°	4875.2	4868.6	4774.4	4627.6	4468.4	4291.6	4134.6	3990.7	3906.7	3872.4	3875.3
10°	4877.4	4849.6	4698.4	4471.3	4224.4	3965.2	3724.1	3502.1	3361.9	3270.6	3298.3
12.5°	4854.7	4808.0	4586.7	4269.0	3926.4	3572.9	3247.2	2914.2	2714.0	2621.3	2624.2
15°	4837.2	4752.5	4449.4	4030.9	3570.8	3102.6	2657.8	2266.3	2053.1	1958.1	1913.6
17.5°	4822.6	4692.6	4290.2	3762.8	3150.8	2557.0	2022.4	1673.3	1556.4	1528.7	1517.0
20°	4802.1	4629.1	4112.7	3452.4	2672.4	1946.4	1476.8	1304.4	1305.2	1337.3	1341.7
22.5°	4773.7	4556.7	3923.5	3104.1	2159.0	1417.6	1157.6	1108.0	1158.4	1219.7	1230.7
25°	4731.3	4471.3	3713.2	2719.1	1646.2	1089.7	988.9	986.7	1048.1	1112.3	1121.8
27.5°	4671.4	4359.5	3479.5	2305.8	1213.1	926.1	885.9	901.3	946.6	993.3	996.9
30°	4591.1	4229.5	3221.6	1869.7	950.9	824.6	820.2	834.1	861.8	894.7	897.6
32.5°	4502.7	4097.3	2946.3	1447.6	814.4	769.8	774.2	780.8	793.9	807.1	810.0
35°	4422.4	3962.2	2664.4	1099.9	749.4	734.0	731.1	729.6	731.1	726.7	727.4
37.5°	4370.5	3850.5	2370.8	875.7	712.1	702.6	693.8	682.9	670.5	663.2	664.6
40°	4351.5	3767.2	2073.5	756.7	681.4	674.9	658.1	634.7	620.1	615.7	615.7
42.5°	4402.6	3724.1	1786.5	696.8	655.9	644.9	617.2	590.1	579.2	578.4	577.7
45°	4558.9	3741.7	1513.3	663.9	632.5	611.3	574.8	552.2	544.9	546.3	545.6
47.5°	4839.4	3851.9	1279.6	642.0	609.1	581.4	540.5	522.2	513.4	513.4	514.2
50°	5316.3	4109.8	1093.4	623.7	589.4	553.6	515.6	493.0	481.3	480.6	480.6
52.5°	6010.9	4571.4	977.2	608.4	567.5	528.8	490.8	462.3	448.4	445.5	444.1
55°	6881.5	5233.1	945.1	598.2	538.3	501.8	460.9	432.4	417.0	410.5	409.7
57.5°	7855.1	6037.9	1008.6	585.8	508.3	469.6	428.0	401.0	384.9	376.9	376.1
60°	8840.3	6916.6	1267.9	568.2	483.5	434.6	394.4	369.6	353.5	344.7	343.3
62.5°	9827.1	7842.7	1797.4	566.8	466.0	401.0	360.1	338.9	323.6	314.1	311.9
65°	10940.1	8856.4	2399.2	605.5	460.1	370.3	325.0	308.2	295.1	286.3	285.6
67.5°	12218.3	10000.9	2341.6	685.1	479.8	342.5	292.1	279.0	269.5	262.2	261.5
70°	12817.9	9821.9	1455.6	741.3	507.6	315.5	260.7	251.2	243.9	238.8	236.6
71°	12566.7	9326.0	1220.4	734.7	504.7	303.8	248.3	241.0	233.7	229.3	227.1
72.5°	11881.6	8505.1	1018.1	683.6	471.8	282.7	232.3	225.0	218.4	213.3	211.8
75°	10661.9	7595.8	815.1	546.3	376.1	238.8	203.8	195.7	190.6	187.7	184.8
77.5°	7837.5	5420.8	630.3	431.6	276.8	195.0	173.8	168.0	162.9	158.5	156.3
80°	3002.5	2099.8	424.3	322.1	203.0	154.1	140.2	137.3	132.2	129.3	129.3
82.5°	808.5	627.4	226.4	195.0	135.8	112.5	107.4	105.9	101.5	95.7	96.4
85°	327.2	276.8	127.1	107.4	83.3	66.5	72.3	73.0	67.9	60.6	61.4
87.5°	143.9	117.6	70.8	47.5	36.5	25.6	32.9	32.9	29.9	24.8	22.6
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)