

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: P323760

Luminaire Tested: **GAN-SA6B-727-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-727-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23198 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

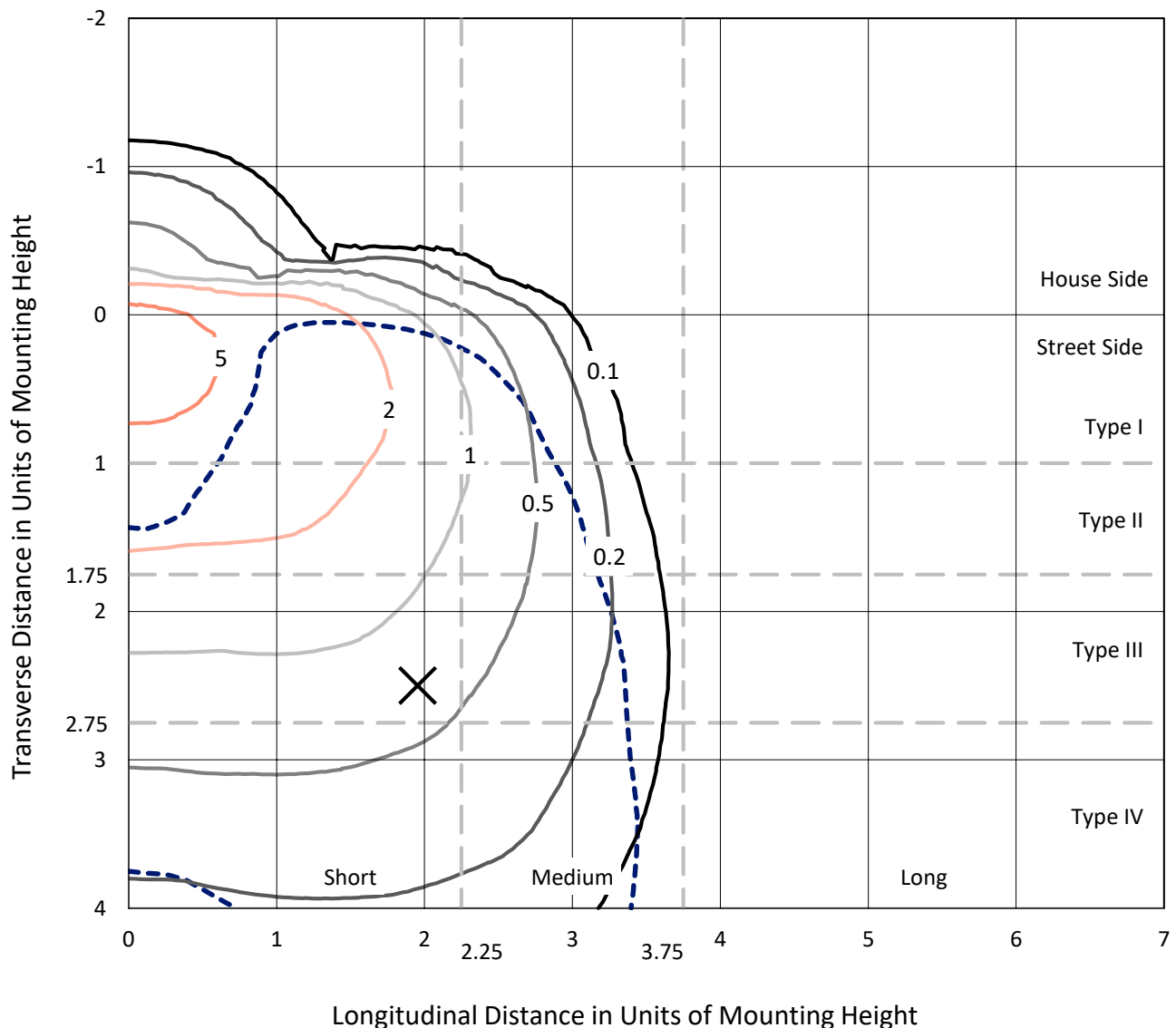
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

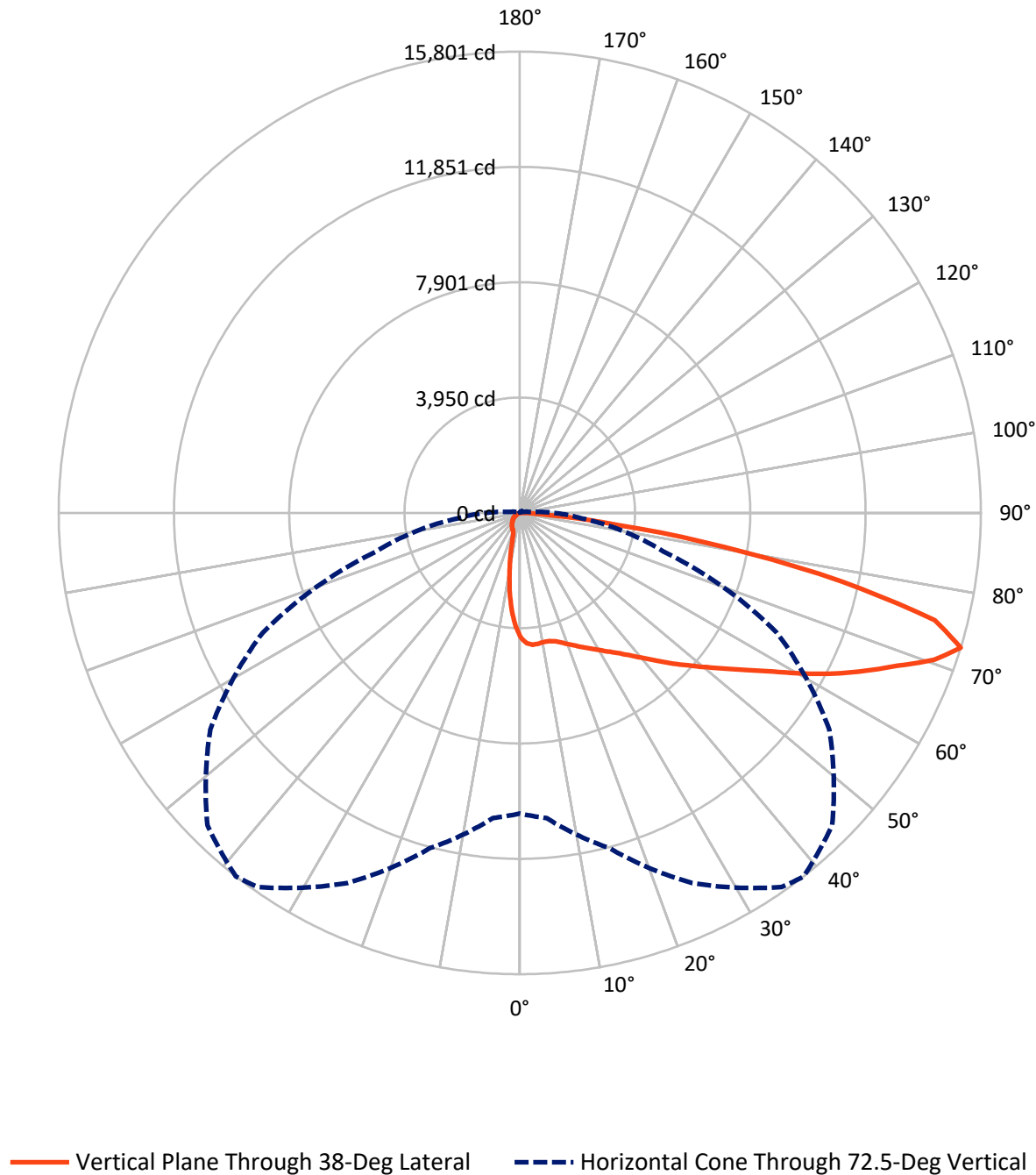
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1952.2	0.0	1952.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	21245.8	0.0	21245.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	23198.0	0.0	23198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.5	1.6
10°-20°	889.0	3.8
20°-30°	1413.9	6.1
30°-40°	2125.6	9.2
40°-50°	3242.7	14.0
50°-60°	4583.1	19.8
60°-70°	5748.7	24.8
70°-80°	4298.4	18.5
80°-90°	533.0	2.3
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°	23198.0	100.0
0°-180°	23198.0	100.0

Coefficient of Utilization



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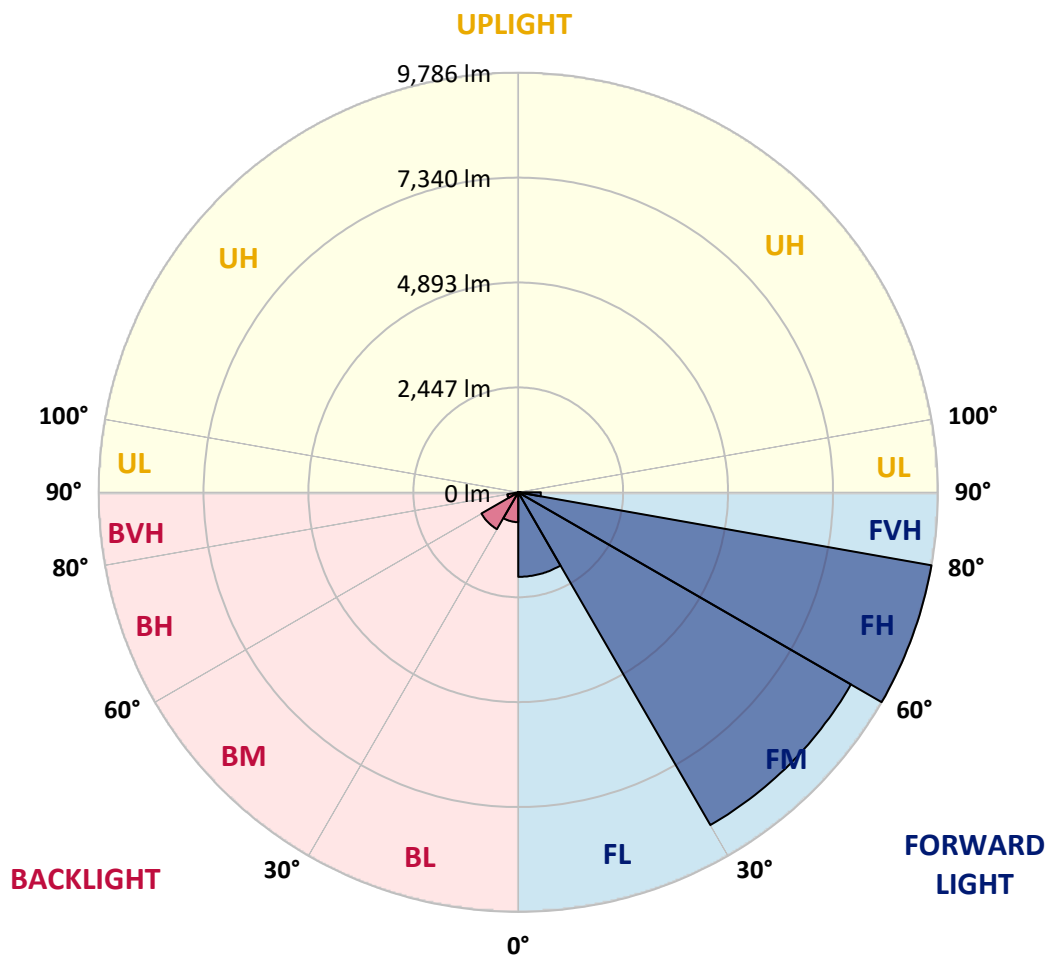
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1971.3	8.5			
FM	(30°-60°)	8960.1	38.6			
FH	(60°-80°)	9786.4	42.2			G4/12000
FVH	(80°-90°)	528.0	2.3			G4/750
BL	(0°-30°)	695.1	3.0	B2/1000		
BM	(30°-60°)	991.3	4.3	B1/1000		
BH	(60°-80°)	260.8	1.1	B1/500		G1/500
BVH	(80°-90°)	5.0	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	4266.0	4266.0	4266.0	4266.0	4266.0	4266.0	4266.0	4266.0	4266.0	4266.0	4266.0
2.5°	4528.1	4529.1	4518.5	4501.1	4479.0	4467.4	4448.1	4417.3	4384.5	4325.8	4262.2
5°	4620.6	4620.6	4607.1	4584.0	4548.3	4537.7	4501.1	4452.0	4384.5	4289.2	4182.2
7.5°	4610.9	4612.9	4594.6	4570.5	4534.8	4525.2	4480.9	4426.0	4342.1	4226.5	4089.7
10°	4560.8	4565.7	4551.2	4539.6	4506.9	4496.3	4454.9	4400.0	4316.1	4192.8	4035.8
12.5°	4509.8	4514.6	4519.4	4530.0	4509.8	4505.9	4473.2	4426.9	4347.0	4218.8	4041.6
15°	4477.0	4486.7	4521.3	4562.8	4567.6	4563.7	4542.5	4499.2	4418.3	4285.3	4083.0
17.5°	4477.0	4492.4	4564.7	4643.7	4671.6	4674.5	4656.2	4595.5	4499.2	4356.6	4121.5
20°	4514.6	4535.8	4648.5	4760.3	4806.5	4806.5	4770.9	4686.1	4573.4	4421.1	4147.5
22.5°	4610.9	4638.9	4780.5	4909.6	4958.7	4948.1	4900.0	4776.6	4650.4	4494.4	4180.3
25°	4800.7	4821.9	4969.3	5099.4	5129.3	5105.2	5044.5	4886.5	4748.7	4593.6	4240.0
27.5°	5045.4	5048.3	5200.6	5310.4	5292.1	5275.7	5199.6	5024.2	4890.3	4735.2	4343.1
30°	5314.2	5314.2	5448.2	5532.0	5476.1	5462.6	5386.5	5190.9	5071.5	4927.9	4489.5
32.5°	5574.4	5585.9	5694.8	5747.8	5685.2	5671.7	5597.5	5401.9	5312.3	5221.8	4717.9
35°	5825.8	5834.5	5937.6	5966.5	5906.7	5910.6	5857.6	5691.9	5658.2	5646.6	5061.8
37.5°	6069.6	6071.5	6176.5	6194.8	6164.9	6197.7	6202.5	6056.1	6118.7	6212.1	5546.4
40°	6292.1	6294.0	6398.1	6445.3	6496.4	6538.7	6576.3	6498.3	6705.4	6922.2	6123.5
42.5°	6470.3	6490.6	6622.6	6712.2	6847.0	6928.0	7030.1	7026.2	7403.9	7729.5	6821.0
45°	6627.4	6662.1	6846.1	7003.1	7234.3	7363.4	7523.4	7648.6	8190.1	8628.4	7527.2
47.5°	6834.5	6867.3	7077.3	7334.5	7642.8	7812.4	8077.3	8348.1	9054.2	9510.9	8217.0
50°	7126.4	7112.0	7319.1	7688.1	8084.1	8306.6	8684.3	9089.9	9911.7	10279.7	8622.6
52.5°	7437.6	7431.8	7585.0	8072.5	8604.3	8864.5	9363.5	9856.8	10731.6	10809.6	8808.6
55°	7823.0	7781.6	7910.7	8510.9	9221.9	9501.3	10089.0	10616.0	11384.8	11108.3	8902.0
57.5°	8226.7	8158.3	8281.6	8999.3	9918.4	10248.9	10892.5	11355.9	11819.3	11312.5	8901.1
60°	8643.8	8562.9	8709.3	9610.1	10783.6	11166.1	11763.4	11855.9	12224.9	11415.6	8835.5
62.5°	8992.6	8944.4	9162.1	10263.3	11749.9	12125.6	12421.4	12310.6	12566.9	11495.6	8682.4
65°	9361.6	9364.5	9716.1	11025.4	12776.9	13030.3	13055.3	12900.2	12853.0	11479.2	8164.0
67.5°	9860.6	9906.9	10493.6	12060.1	13776.0	13971.6	13969.6	13539.0	13062.1	10827.9	7014.7
70°	10388.6	10497.5	11389.6	13244.2	14866.6	15065.0	14962.9	13945.5	12299.1	8755.6	4964.5
72.5°	10300.0	10488.8	11887.7	13990.8	15649.8	15801.1	15137.3	12946.5	9720.9	5088.8	2113.7
75°	7946.3	8165.0	10900.2	13250.9	14828.0	14692.2	13006.2	10074.5	5312.3	1420.1	475.9
77.5°	4197.6	4314.2	7200.6	10094.7	11562.0	11277.8	9162.1	5588.8	1619.5	351.6	213.9
80°	2198.5	2225.5	3137.9	5727.5	7136.1	7138.0	5429.9	2454.8	667.7	180.2	143.5
82.5°	1177.3	1200.4	1658.1	2646.5	3739.0	3389.3	2079.1	1350.7	388.3	102.1	137.8
85°	283.2	288.1	940.3	1209.1	1470.2	1050.1	617.6	1133.9	105.0	59.7	111.8
87.5°	108.9	110.8	348.8	523.1	374.8	242.8	289.0	422.9	13.5	23.1	17.3
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°	4266.0	4266.0	4266.0	4266.0	4266.0	4266.0	4266.0	4266.0	4266.0	4266.0	4266.0
2.5°	4223.6	4198.6	4136.9	4058.9	3989.5	3939.4	3864.3	3815.2	3782.4	3781.4	3768.9
5°	4116.7	4065.6	3932.7	3774.7	3631.1	3502.0	3349.8	3229.4	3139.8	3125.3	3094.5
7.5°	4002.1	3918.2	3714.0	3467.4	3226.5	2981.8	2697.6	2521.3	2370.0	2297.8	2290.1
10°	3931.7	3814.2	3524.2	3167.7	2790.1	2392.2	2020.3	1763.1	1577.1	1524.1	1484.6
12.5°	3917.3	3762.2	3377.8	2886.4	2346.9	1820.9	1409.5	1135.9	987.5	940.3	927.8
15°	3931.7	3738.1	3254.4	2608.0	1897.9	1291.9	946.1	787.1	731.2	717.7	716.8
17.5°	3940.4	3709.2	3114.7	2298.7	1462.5	923.0	724.5	678.2	669.6	668.6	670.5
20°	3939.4	3664.9	2948.1	1953.8	1087.7	725.5	655.1	645.5	643.6	644.5	643.6
22.5°	3932.7	3612.8	2765.0	1598.3	821.8	648.4	625.3	619.5	618.5	618.5	618.5
25°	3945.2	3571.4	2563.7	1258.2	677.3	612.7	598.3	593.5	592.5	592.5	590.6
27.5°	3990.5	3548.3	2343.0	968.2	611.8	580.9	569.4	568.4	565.5	564.6	566.5
30°	4063.7	3548.3	2101.2	753.4	572.3	548.2	539.5	537.6	536.6	535.7	536.6
32.5°	4192.8	3575.3	1837.2	626.2	534.7	511.6	505.8	508.7	505.8	505.8	505.8
35°	4426.0	3656.2	1560.7	546.3	495.2	475.9	470.2	474.0	472.1	472.1	471.1
37.5°	4766.1	3806.5	1282.3	498.1	460.5	440.3	432.6	438.4	436.4	436.4	435.5
40°	5180.3	4025.2	1017.4	461.5	426.8	405.6	398.9	401.7	396.9	396.9	398.9
42.5°	5691.9	4302.6	786.2	425.8	393.1	372.8	369.0	366.1	357.4	352.6	353.6
45°	6260.3	4591.7	612.7	391.1	361.3	344.9	339.1	331.4	317.0	307.3	308.3
47.5°	6768.0	4814.2	498.1	357.4	332.4	319.9	311.2	296.7	275.5	264.0	264.9
50°	7034.9	4847.9	423.9	323.7	305.4	292.9	280.4	258.2	233.1	220.6	219.7
52.5°	7103.3	4689.9	369.0	292.9	278.4	264.0	247.6	217.7	189.8	176.3	174.4
55°	7128.4	4449.1	319.9	264.0	249.5	233.1	212.0	178.2	152.2	138.7	137.8
57.5°	7045.5	4089.7	281.3	238.0	220.6	200.4	174.4	142.6	117.5	106.9	106.9
60°	6861.5	3603.2	251.5	210.0	190.8	167.6	140.7	110.8	87.7	79.0	79.0
62.5°	6494.4	2973.1	223.5	181.1	162.8	138.7	113.7	83.8	61.7	56.8	57.8
65°	5801.7	2255.4	195.6	155.1	138.7	114.6	88.6	59.7	41.4	41.4	43.4
67.5°	4731.4	1566.5	166.7	132.0	119.5	93.5	67.4	41.4	28.9	32.8	36.6
70°	3132.1	878.6	142.6	108.9	102.1	74.2	50.1	27.9	23.1	30.8	37.6
72.5°	1182.1	342.0	119.5	87.7	88.6	56.8	35.6	21.2	21.2	33.7	44.3
75°	329.5	167.6	85.7	64.5	69.4	41.4	26.0	18.3	20.2	38.5	52.0
77.5°	193.6	123.3	55.9	37.6	47.2	28.9	17.3	14.5	17.3	32.8	50.1
80°	156.1	65.5	32.8	19.3	26.0	16.4	11.6	8.7	4.8	12.5	26.0
82.5°	156.1	39.5	15.4	13.5	13.5	8.7	5.8	3.9	1.0	0.0	6.7
85°	105.0	16.4	9.6	8.7	6.7	2.9	1.9	1.0	0.0	0.0	0.0
87.5°	17.3	6.7	3.9	1.9	1.0	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)