

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: P323287

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
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-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17886 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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



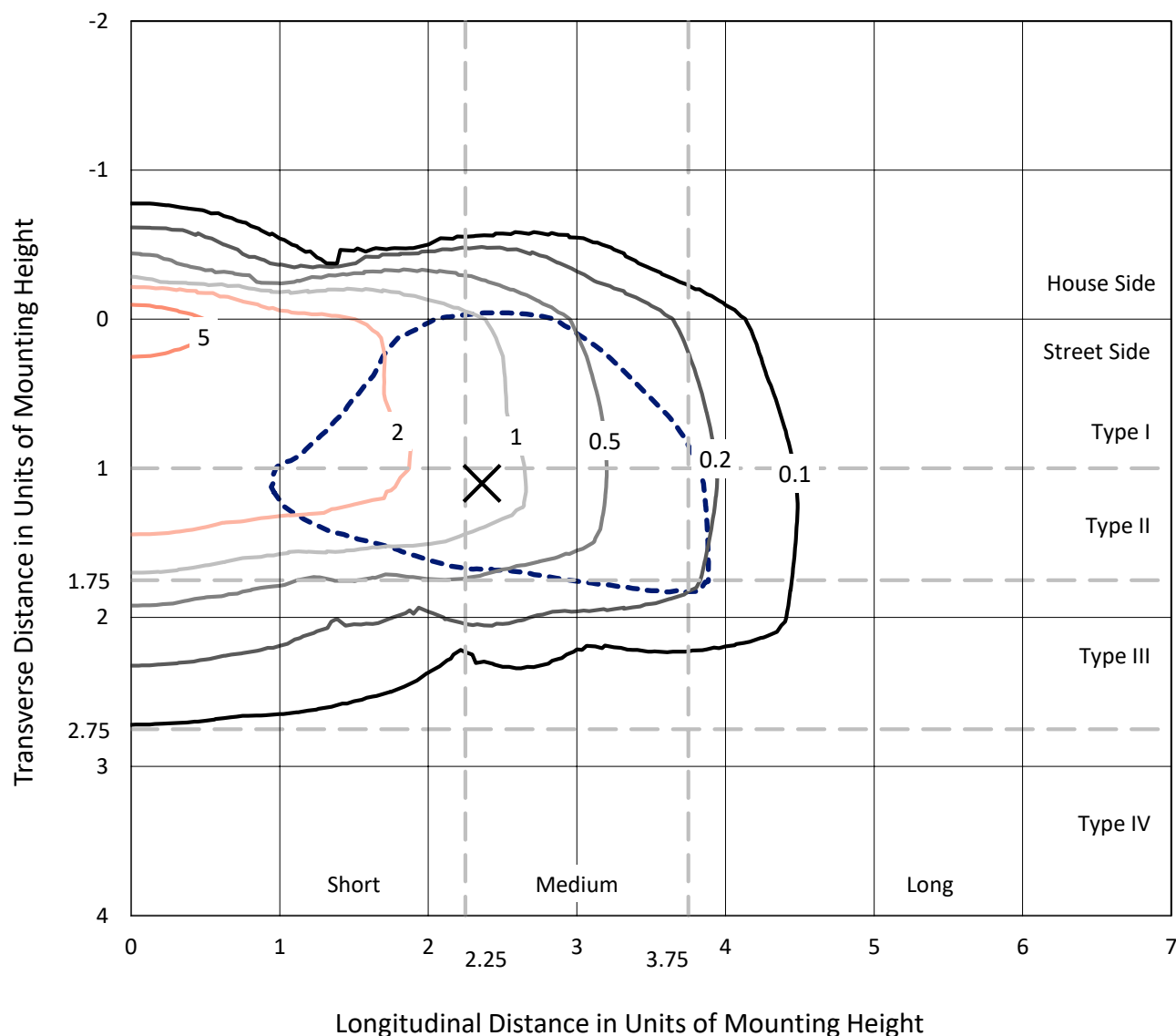
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

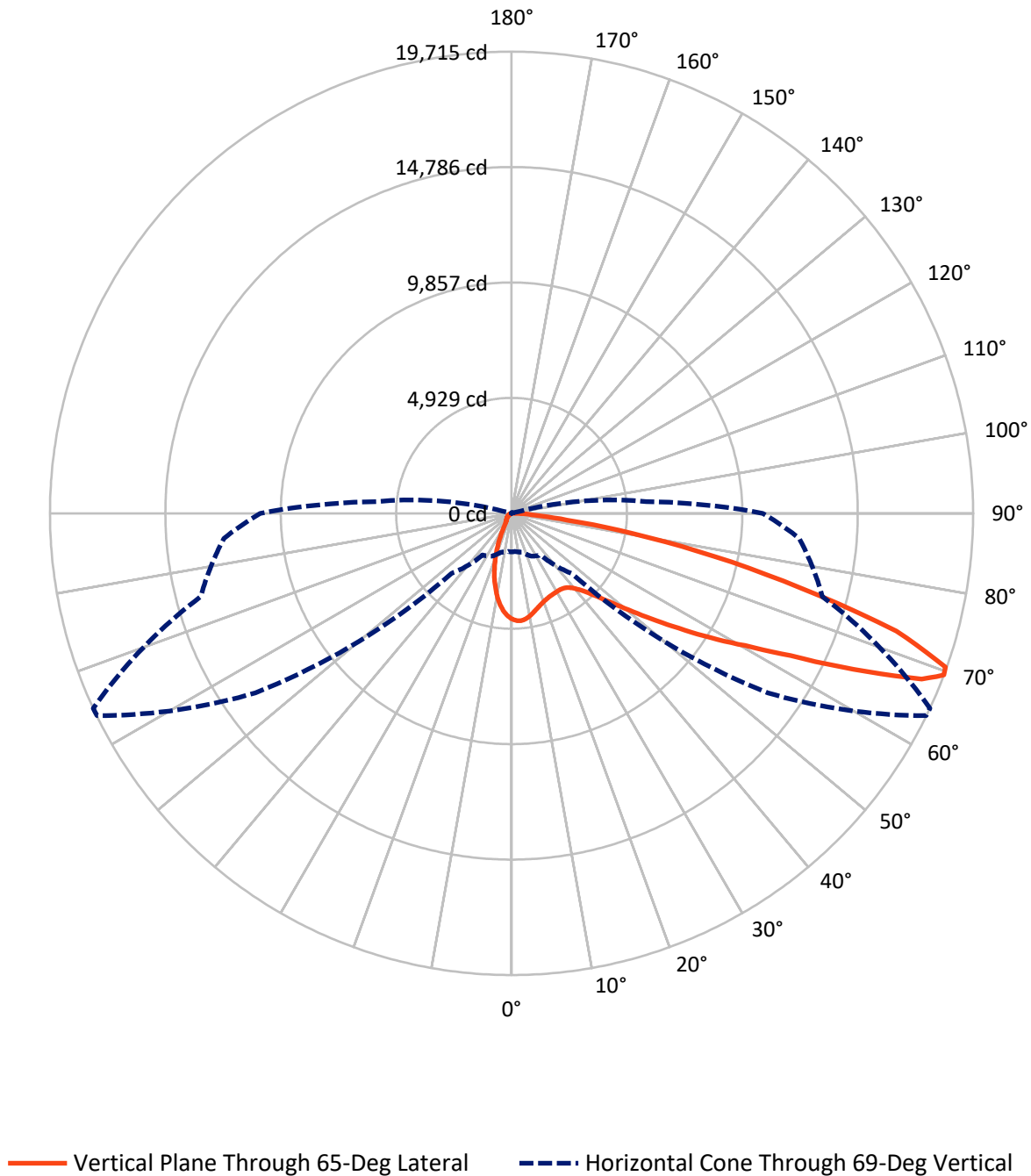
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	2108.3	0.0	2108.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	15777.7	0.0	15777.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	17886.0	0.0	17886.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.9	2.1
10°-20°	827.4	4.6
20°-30°	1145.9	6.4
30°-40°	1597.8	8.9
40°-50°	2483.5	13.9
50°-60°	3986.9	22.3
60°-70°	4509.9	25.2
70°-80°	2648.7	14.8
80°-90°	308.1	1.7
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°	17886.0	100.0
0°-180°	17886.0	100.0

Coefficient of Utilization



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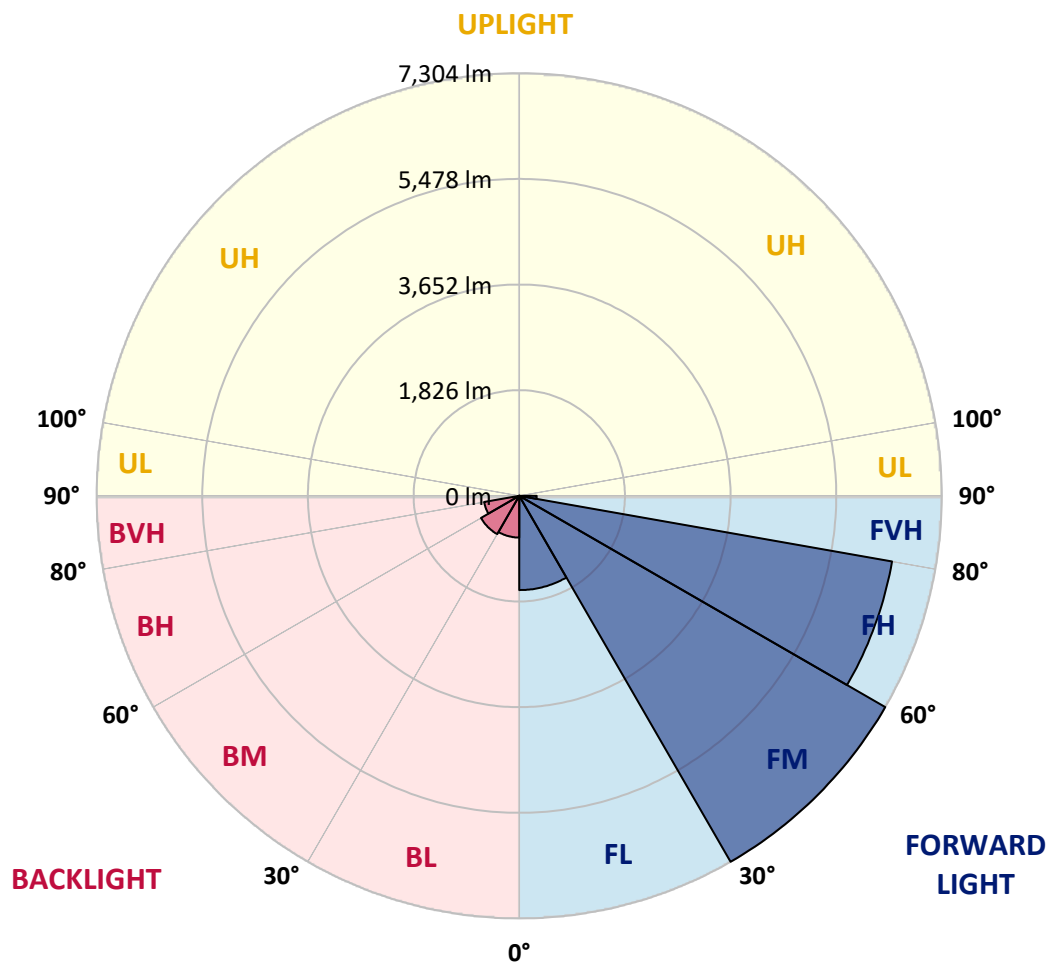
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1629.8	9.1			
FM	(30°-60°)	7304.1	40.8			
FH	(60°-80°)	6542.5	36.6			G3/7500
FVH	(80°-90°)	301.2	1.7			G3/500
BL	(0°-30°)	721.4	4.0	B2/1000		
BM	(30°-60°)	764.0	4.3	B1/1000		
BH	(60°-80°)	616.0	3.4	B2/1000		G2/1000
BVH	(80°-90°)	6.9	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-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	4519.8	4519.8	4519.8	4519.8	4519.8	4519.8	4519.8	4519.8	4519.8	4519.8	4519.8
2.5°	4559.9	4548.6	4557.7	4577.3	4587.2	4587.2	4594.8	4585.7	4588.7	4566.7	4535.0
5°	4274.6	4257.2	4282.2	4337.4	4405.5	4463.8	4550.1	4595.5	4600.0	4600.8	4563.7
7.5°	3967.3	3951.4	3988.5	4053.6	4141.4	4249.6	4400.2	4531.9	4539.5	4610.6	4583.4
10°	3717.6	3706.2	3749.4	3819.0	3921.9	4043.0	4227.7	4410.8	4432.8	4590.2	4580.4
12.5°	3519.3	3510.2	3551.1	3631.3	3736.5	3870.5	4063.5	4276.1	4305.6	4544.0	4565.2
15°	3374.7	3373.2	3407.3	3484.5	3601.0	3725.9	3923.4	4151.2	4185.3	4494.1	4563.0
17.5°	3299.0	3301.3	3326.3	3392.1	3492.0	3616.2	3805.4	4046.0	4083.1	4449.4	4574.3
20°	3291.5	3293.7	3307.4	3344.5	3425.4	3535.2	3709.3	3957.5	3996.1	4416.1	4592.5
22.5°	3358.1	3356.6	3360.4	3356.6	3402.0	3485.2	3645.7	3889.4	3934.0	4394.2	4606.9
25°	3486.0	3483.7	3482.2	3454.2	3423.9	3468.6	3619.2	3850.8	3893.2	4378.3	4615.2
27.5°	3663.8	3662.3	3660.1	3613.9	3523.1	3495.1	3622.2	3836.4	3872.0	4365.4	4613.7
30°	3897.7	3908.3	3905.3	3840.9	3699.4	3576.0	3654.0	3828.8	3859.9	4340.5	4597.8
32.5°	4172.4	4193.6	4210.3	4141.4	3964.3	3736.5	3727.4	3837.2	3859.9	4321.5	4569.0
35°	4457.8	4485.0	4546.3	4522.1	4289.0	3977.9	3853.8	3887.1	3906.0	4332.1	4555.4
37.5°	4738.5	4771.1	4904.3	4974.7	4714.3	4297.3	4050.6	4010.5	4020.3	4396.5	4570.5
40°	5064.7	5113.9	5316.0	5429.5	5222.2	4724.9	4345.0	4222.4	4226.2	4538.0	4640.9
42.5°	5493.1	5543.8	5762.5	5940.4	5794.3	5265.3	4744.6	4546.3	4542.5	4802.9	4806.7
45°	6015.3	6068.3	6294.6	6492.1	6426.3	5905.6	5256.2	5019.3	5014.8	5220.7	5120.8
47.5°	6607.2	6659.4	6861.5	7065.1	7136.2	6653.3	5907.9	5664.9	5654.3	5801.1	5605.9
50°	7115.0	7149.1	7335.3	7609.2	7930.1	7572.1	6718.4	6484.6	6473.2	6572.4	6318.1
52.5°	7299.7	7319.4	7508.6	7892.3	8693.0	8816.4	7783.3	7482.1	7473.8	7516.9	7266.4
55°	6925.8	6961.4	7193.7	7762.9	9106.2	10222.6	9127.4	8717.2	8654.4	8561.3	8257.8
57.5°	5907.1	5963.9	6213.6	6970.5	8913.3	11338.2	11102.8	10114.4	10022.0	9452.9	9063.9
60°	4426.0	4495.6	4703.0	5519.6	7883.2	11735.5	13261.3	11671.2	11463.0	10162.8	9804.8
62.5°	3037.2	3072.0	3212.8	3744.8	5805.7	11084.6	15067.1	13756.2	13376.3	10934.8	10606.3
65°	2319.7	2331.8	2389.3	2572.5	3457.2	9004.1	15785.3	16507.3	16047.9	11858.1	11438.1
67.5°	1869.4	1859.5	1939.0	2200.9	2315.2	5493.1	14947.5	19110.1	18895.2	13092.5	12275.1
69°	1648.4	1634.8	1715.7	2020.0	2174.4	3631.3	13362.7	19701.2	19714.8	13744.1	12332.6
70°	1483.4	1492.5	1572.7	1912.5	2126.7	2850.2	11849.0	19550.6	19658.1	13987.8	11987.5
72.5°	990.7	1014.9	1176.1	1587.8	2045.0	2157.0	7154.4	16776.8	17190.0	13439.1	10284.6
75°	558.5	576.7	768.2	1197.3	1926.9	2054.1	3778.9	12359.9	12759.5	11238.3	7930.9
77.5°	274.0	283.8	434.4	772.7	1611.3	1957.2	2143.4	8395.6	8852.0	7335.3	4485.8
80°	115.8	121.1	217.2	476.8	1151.9	1867.9	1591.6	5166.9	5223.7	2873.7	1195.0
82.5°	44.7	46.2	91.6	297.4	731.9	1456.2	1331.3	2449.9	2390.8	541.1	272.5
85°	5.3	6.1	33.3	178.6	407.2	749.3	1081.5	1055.8	977.1	107.5	140.0
87.5°	0.0	0.0	2.3	54.5	121.1	351.2	562.3	438.2	395.1	34.8	72.7
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°	4519.8	4519.8	4519.8	4519.8	4519.8	4519.8	4519.8	4519.8	4519.8	4519.8	4519.8
2.5°	4508.5	4500.9	4460.0	4401.0	4345.0	4275.4	4208.8	4168.7	4136.9	4115.7	4140.6
5°	4520.6	4487.3	4363.2	4204.2	4048.3	3872.7	3709.3	3570.8	3516.3	3455.7	3483.0
7.5°	4516.8	4454.0	4230.7	3947.7	3661.6	3365.6	3085.6	2869.9	2757.9	2648.2	2676.2
10°	4497.9	4391.9	4053.6	3634.3	3206.0	2780.6	2383.3	2081.3	1912.5	1759.6	1781.6
12.5°	4456.2	4308.7	3844.7	3275.6	2702.7	2141.8	1676.4	1289.6	1082.3	990.7	1002.1
15°	4431.3	4227.7	3623.7	2912.3	2165.3	1491.7	1024.8	762.1	667.5	637.3	641.0
17.5°	4419.2	4149.7	3395.2	2496.8	1615.8	949.8	662.2	584.3	563.8	558.5	560.1
20°	4407.1	4071.0	3159.8	2085.8	1113.3	638.8	544.2	521.5	513.9	507.1	508.6
22.5°	4386.6	3995.3	2907.0	1669.6	750.8	518.4	490.4	468.5	452.6	444.3	445.8
25°	4361.6	3915.9	2648.9	1243.5	547.9	462.4	435.9	404.9	386.0	370.8	371.6
27.5°	4321.5	3818.2	2382.5	905.2	460.2	414.0	378.4	344.4	312.6	295.2	295.2
30°	4265.5	3707.7	2086.6	647.9	412.5	366.3	323.2	280.8	246.7	230.8	229.3
32.5°	4203.5	3592.7	1787.6	491.2	374.6	321.7	272.5	227.8	197.5	184.7	183.9
35°	4150.5	3468.6	1489.5	411.7	336.8	278.5	224.8	186.9	162.7	152.1	151.4
37.5°	4116.4	3344.5	1198.8	367.8	302.7	238.4	188.5	154.4	137.0	128.7	127.9
40°	4111.1	3252.1	933.2	334.5	270.9	202.8	157.4	130.9	115.0	106.0	105.2
42.5°	4180.0	3199.1	716.0	306.5	238.4	171.8	134.0	112.0	95.4	86.3	85.5
45°	4360.9	3215.8	551.0	281.5	205.9	145.3	113.5	93.1	78.0	71.1	69.6
47.5°	4690.9	3330.8	438.2	256.6	174.8	123.4	96.9	77.2	64.3	57.5	56.8
50°	5278.2	3601.0	366.3	229.3	146.1	105.2	80.2	62.8	52.2	46.2	45.4
52.5°	6057.7	4082.4	327.0	202.8	121.1	89.3	65.8	50.0	40.9	36.3	35.6
55°	6917.5	4665.1	301.2	174.1	99.1	74.2	52.2	39.4	31.8	28.0	26.5
57.5°	7756.8	5169.9	277.0	146.1	82.5	60.5	41.6	31.0	25.0	21.2	20.4
60°	8528.0	5633.9	249.0	117.3	67.4	47.7	32.5	24.2	19.7	15.9	15.9
62.5°	9353.7	5992.6	210.4	91.6	55.2	36.3	26.5	21.9	15.9	13.6	12.9
65°	10228.6	6259.0	165.0	71.1	43.1	27.2	21.9	22.7	12.9	9.8	9.1
67.5°	10875.0	6206.1	121.9	56.0	33.3	21.2	21.2	24.2	11.4	7.6	6.8
69°	10732.7	5775.4	102.2	48.4	28.8	18.2	19.7	24.2	10.6	6.8	6.1
70°	10320.2	5298.6	90.1	43.1	25.7	16.7	18.9	23.5	9.8	6.8	6.1
72.5°	8594.6	3990.8	70.4	32.5	20.4	13.6	15.9	20.4	9.8	6.8	5.3
75°	6464.9	2554.3	53.7	23.5	15.1	10.6	12.1	15.1	9.8	6.1	5.3
77.5°	3517.8	921.1	38.6	15.9	10.6	8.3	8.3	11.4	9.1	4.5	3.0
80°	904.4	231.6	24.2	10.6	8.3	6.1	5.3	7.6	5.3	0.8	0.0
82.5°	223.3	52.2	12.9	7.6	6.1	2.3	2.3	3.8	2.3	0.0	0.0
85°	122.6	25.7	8.3	5.3	3.0	0.0	0.0	0.8	0.0	0.0	0.0
87.5°	62.8	7.6	2.3	1.5	0.8	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)