

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: P532637

Luminaire Tested: **GLAN-SA8A-730-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-730-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20083 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

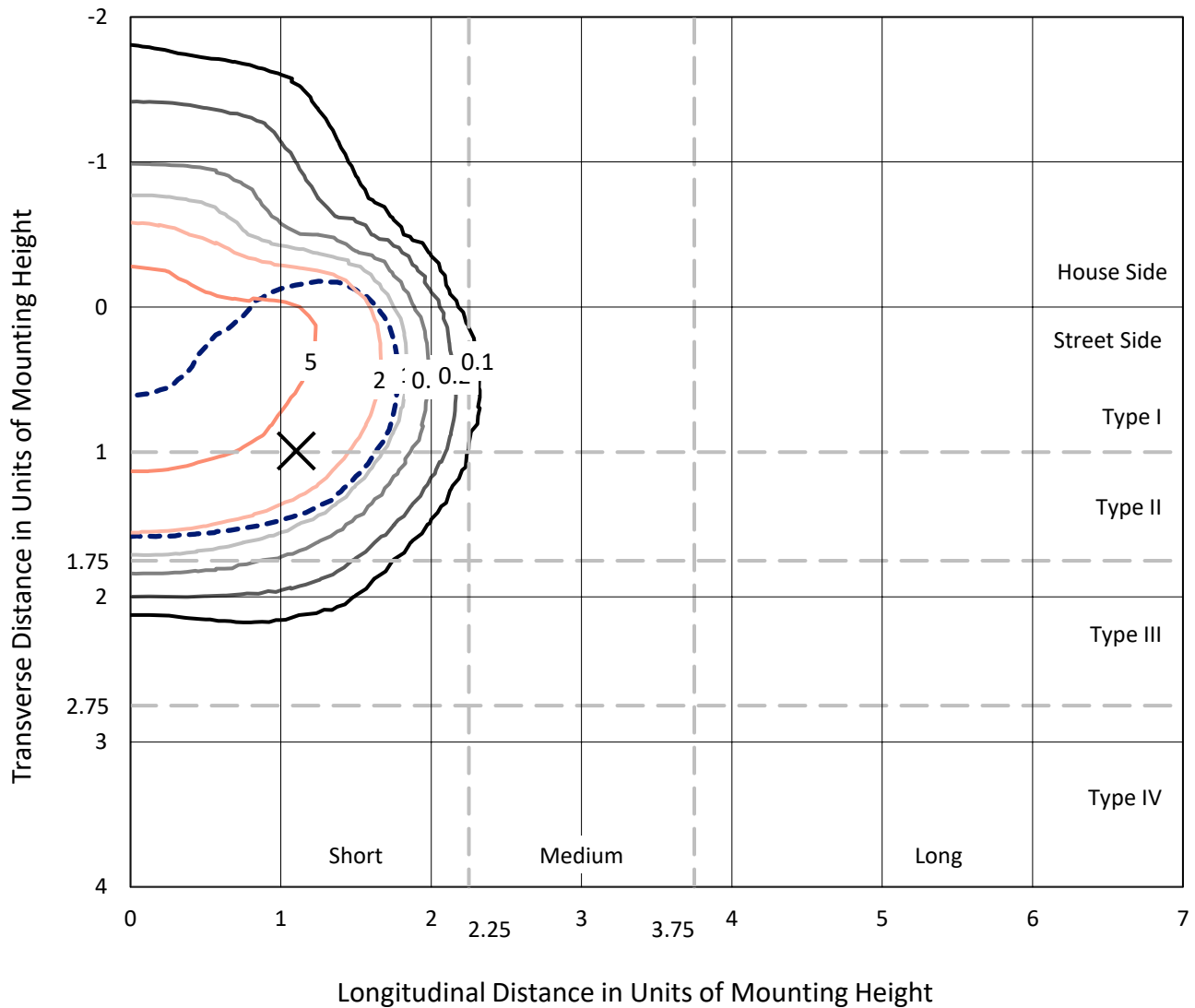
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

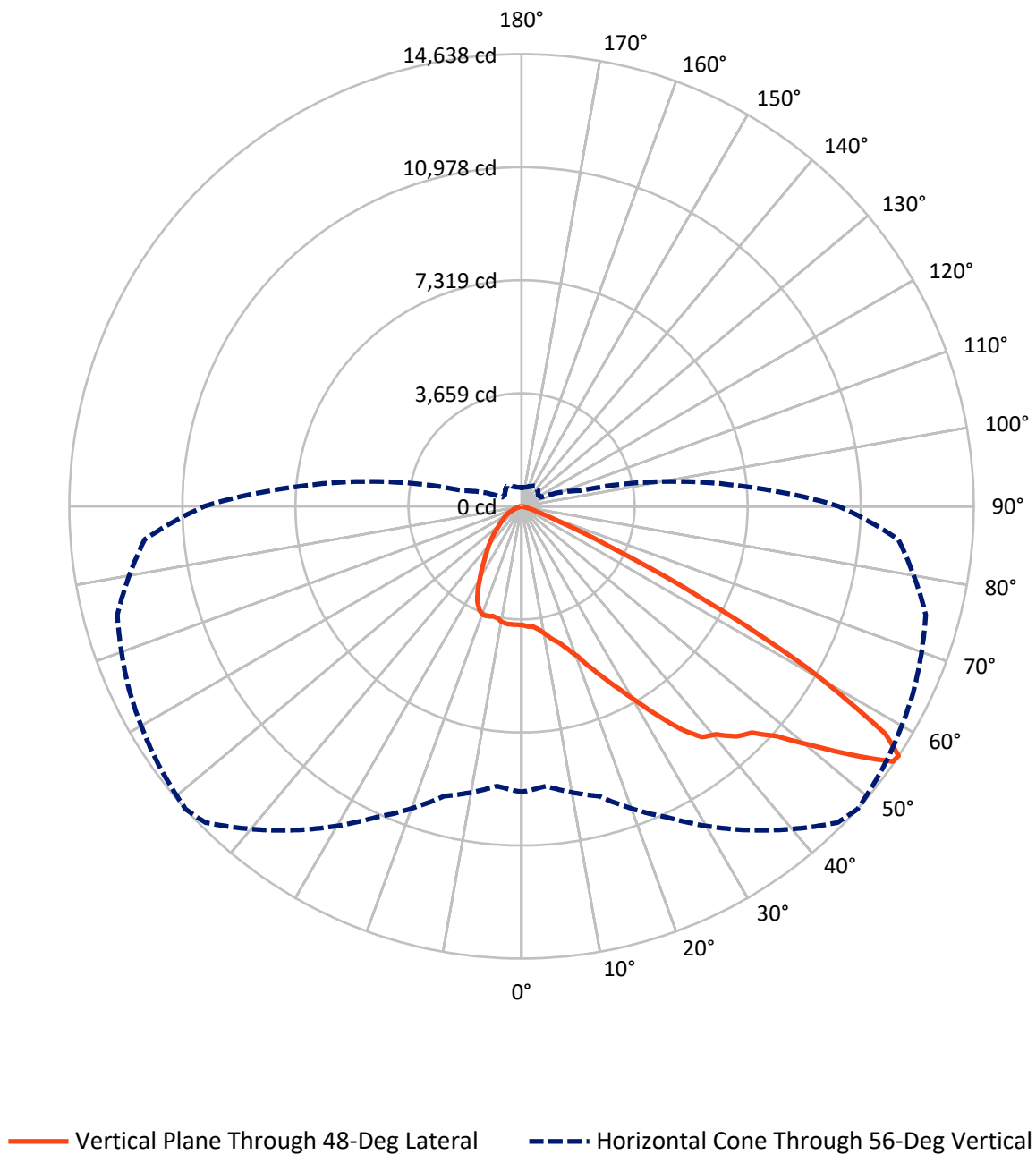
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4367.7	0.0	4367.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	15715.3	0.0	15715.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	20083.0	0.0	20083.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.7	1.9
10°-20°	1194.1	5.9
20°-30°	2165.9	10.8
30°-40°	3402.2	16.9
40°-50°	4963.2	24.7
50°-60°	5979.8	29.8
60°-70°	1750.8	8.7
70°-80°	222.1	1.1
80°-90°	31.2	0.2
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°	20083.0	100.0
0°-180°	20083.0	100.0

Coefficient of Utilization



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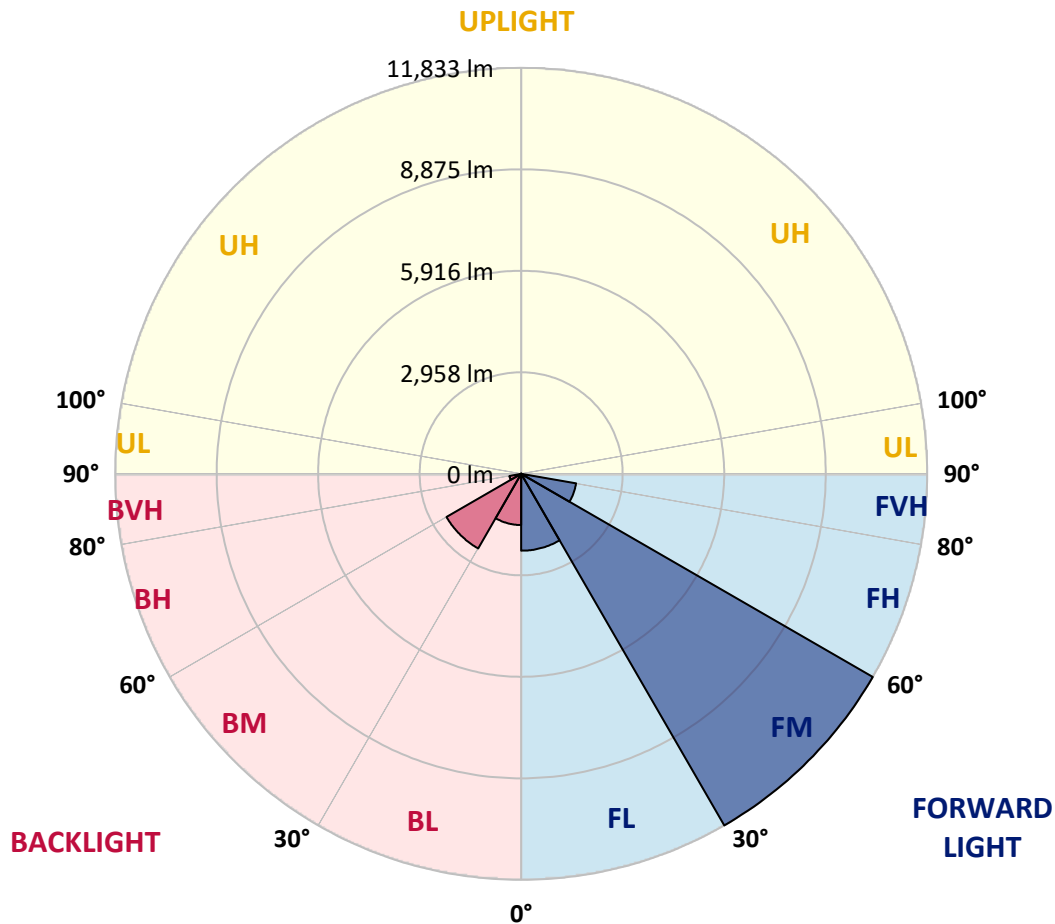
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2240.9	11.2			
FM	(30°-60°)	11833.0	58.9			
FH	(60°-80°)	1625.9	8.1			G1/1800
FVH	(80°-90°)	15.6	0.1			G1/100
BL	(0°-30°)	1492.9	7.4	B3/2500		
BM	(30°-60°)	2512.3	12.5	B3/5000		
BH	(60°-80°)	347.1	1.7	B1/500		G1/500
BVH	(80°-90°)	15.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	3835.9	3835.9	3835.9	3835.9	3835.9	3835.9	3835.9	3835.9	3835.9	3835.9	3835.9
2.5°	3905.3	3887.1	3887.1	3857.8	3890.7	3876.1	3887.1	3850.5	3887.1	3832.2	3876.1
5°	3923.6	3927.3	3912.7	3930.9	3930.9	3952.9	3916.3	3949.2	3967.5	3927.3	3909.0
7.5°	4018.7	4026.0	4022.4	4007.7	4037.0	4033.3	4029.7	4004.1	4011.4	3996.8	3974.8
10°	4205.2	4201.5	4219.8	4183.2	4161.3	4186.9	4194.2	4154.0	4124.7	4113.8	4044.3
12.5°	4475.8	4431.9	4406.3	4369.7	4380.7	4344.1	4410.0	4340.5	4325.9	4260.0	4190.6
15°	4695.2	4687.9	4691.5	4633.0	4567.2	4581.8	4581.8	4545.3	4523.3	4442.9	4344.1
17.5°	5145.0	4991.4	5024.3	4951.2	4896.3	4892.6	4859.7	4867.0	4808.5	4640.3	4490.4
20°	5496.0	5430.2	5379.0	5254.7	5170.6	5196.1	5181.5	5145.0	5126.7	4907.3	4695.2
22.5°	5810.5	5832.4	5748.3	5715.4	5598.4	5609.4	5638.6	5605.7	5466.7	5240.0	4925.6
25°	6252.9	6227.3	6114.0	6073.8	5964.1	6004.3	6117.6	6092.0	6004.3	5594.7	5104.7
27.5°	6775.8	6688.1	6710.0	6527.2	6421.1	6534.5	6669.8	6797.8	6549.1	6011.6	5316.8
30°	7145.2	7053.7	7046.4	7039.1	7013.5	7145.2	7302.4	7419.4	7218.3	6428.5	5667.9
32.5°	7328.0	7349.9	7412.1	7390.2	7613.2	7883.8	8048.4	8216.6	7964.3	7108.6	6132.3
35°	7814.3	7675.4	7814.3	7829.0	8059.3	8633.4	8841.9	9244.1	9181.9	8070.3	6699.0
37.5°	8099.6	8088.6	8106.9	8245.8	8468.9	9178.3	9474.5	9785.3	9668.3	8648.1	7404.8
40°	8571.3	8600.5	8596.9	8702.9	8947.9	9587.8	9708.5	9960.8	9971.8	9448.9	8443.3
42.5°	9328.2	9211.2	9134.4	9244.1	9587.8	9942.5	10183.9	10132.7	10494.7	10421.5	9778.0
45°	10008.3	10077.8	9964.5	10147.3	10271.6	10461.8	10454.5	10564.2	11024.9	11372.3	10783.6
47.5°	10644.6	10688.5	10743.3	10867.7	11138.3	11167.5	11105.3	11057.8	11694.1	12052.4	11562.4
50°	11024.9	11065.1	11321.1	11544.2	12048.8	12114.6	12151.2	12030.5	12462.0	12502.2	12297.4
52.5°	10922.5	10966.4	11324.8	12059.7	12864.2	13467.6	13357.9	13153.1	13127.5	13284.7	12977.6
55°	10015.7	9975.4	10469.1	11613.6	13120.2	14568.2	14582.9	14367.1	13953.9	13847.9	12875.2
56°	9244.1	9086.9	9715.8	11098.0	12791.1	14473.2	14637.7	14407.3	14019.7	13544.4	12242.6
57.5°	7573.0	7722.9	8348.2	9492.8	11653.9	13789.4	13884.4	13829.6	13537.0	12739.9	10772.6
60°	4175.9	4439.2	4991.4	6391.9	8297.0	10582.4	10659.2	11105.3	11160.2	9756.0	7412.1
62.5°	1773.5	1744.2	2318.3	3349.5	4724.4	6388.2	6530.8	6987.9	7072.0	5624.0	3718.8
65°	720.4	760.6	1049.5	1685.7	2497.5	2910.7	3111.8	3261.8	3539.7	2322.0	1371.3
67.5°	475.4	471.7	618.0	961.7	1345.7	1298.1	1298.1	1371.3	1268.9	947.1	592.4
70°	340.1	351.0	442.5	665.5	837.4	621.6	596.0	570.4	647.2	625.3	479.0
72.5°	223.1	237.7	296.2	398.6	435.1	340.1	340.1	409.5	533.9	504.6	391.3
75°	146.3	149.9	182.8	230.4	215.7	175.5	193.8	274.3	387.6	373.0	277.9
77.5°	98.7	102.4	124.3	149.9	120.7	98.7	106.0	139.0	190.1	190.1	146.3
80°	36.6	40.2	51.2	47.5	54.9	69.5	76.8	95.1	113.4	113.4	98.7
82.5°	0.0	3.7	11.0	25.6	40.2	54.9	62.2	73.1	84.1	95.1	91.4
85°	0.0	3.7	11.0	18.3	29.3	32.9	36.6	25.6	21.9	21.9	18.3
87.5°	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	7.3	3.7	3.7
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°	3835.9	3835.9	3835.9	3835.9	3835.9	3835.9	3835.9	3835.9	3835.9	3835.9	3835.9
2.5°	3835.9	3832.2	3832.2	3821.2	3843.2	3832.2	3839.5	3835.9	3788.3	3824.9	3799.3
5°	3876.1	3901.7	3861.5	3854.1	3824.9	3835.9	3835.9	3799.3	3832.2	3828.5	3821.2
7.5°	3978.5	3934.6	3890.7	3846.8	3839.5	3828.5	3788.3	3773.7	3799.3	3770.0	3813.9
10°	4022.4	4029.7	3963.8	3905.3	3850.5	3773.7	3718.8	3685.9	3645.7	3689.6	3715.2
12.5°	4223.5	4150.3	4037.0	3945.6	3759.1	3682.3	3627.4	3612.8	3682.3	3696.9	3671.3
15°	4292.9	4282.0	4135.7	3930.9	3737.1	3645.7	3656.7	3627.4	3634.7	3598.2	3605.5
17.5°	4435.6	4311.2	4139.4	3883.4	3733.5	3711.5	3645.7	3528.7	3462.9	3433.6	3459.2
20°	4592.8	4472.1	4223.5	3901.7	3766.4	3707.9	3492.1	3349.5	3214.2	3141.1	3144.7
22.5°	4731.7	4581.8	4186.9	3909.0	3795.6	3554.3	3294.7	3013.1	2844.9	2731.5	2735.2
25°	4900.0	4687.9	4201.5	3923.6	3718.8	3309.3	2936.3	2662.1	2460.9	2384.2	2409.8
27.5°	4995.0	4753.7	4282.0	3956.5	3517.7	2961.9	2559.7	2303.7	2186.7	2150.1	2146.5
30°	5280.3	4900.0	4380.7	3890.7	3181.3	2588.9	2216.0	2058.7	1945.4	1912.4	1919.8
32.5°	5704.4	5166.9	4508.7	3718.8	2837.6	2256.2	1992.9	1875.9	1769.8	1707.7	1700.4
35°	6059.1	5624.0	4644.0	3451.9	2439.0	2000.2	1835.7	1689.4	1528.5	1459.0	1440.7
37.5°	6735.6	6139.6	4614.7	3049.7	2058.7	1810.1	1667.4	1488.3	1349.3	1254.2	1243.3
40°	7635.2	6742.9	4472.1	2559.7	1777.1	1641.9	1488.3	1316.4	1144.5	1064.1	1056.8
42.5°	8728.5	7481.6	4212.5	2062.4	1495.6	1473.6	1334.7	1137.2	983.6	925.1	928.8
45°	9617.1	8114.2	3949.2	1656.5	1287.2	1309.1	1188.4	1001.9	895.9	848.4	848.4
47.5°	10406.9	8542.0	3664.0	1367.6	1093.3	1144.5	1038.5	928.8	837.4	800.8	793.5
50°	11167.5	8977.2	3378.8	1108.0	932.5	983.6	972.7	884.9	811.8	767.9	771.6
52.5°	11642.9	9046.6	3016.8	906.9	815.4	873.9	910.5	830.1	749.6	724.0	716.7
55°	11061.5	8150.7	2340.3	746.0	691.1	767.9	837.4	746.0	683.8	639.9	636.3
56°	10278.9	7287.8	1956.3	687.5	654.5	738.7	811.8	713.1	643.6	618.0	599.7
57.5°	8702.9	5964.1	1444.4	610.7	607.0	687.5	771.6	680.1	599.7	577.8	577.8
60°	5426.5	3356.8	873.9	511.9	526.6	610.7	694.8	607.0	533.9	533.9	544.8
62.5°	2471.9	1396.9	530.2	435.1	453.4	526.6	618.0	548.5	508.3	548.5	555.8
65°	841.0	603.4	384.0	347.4	358.4	435.1	530.2	555.8	552.2	577.8	592.4
67.5°	471.7	387.6	321.8	288.9	281.6	321.8	435.1	555.8	533.9	522.9	530.2
70°	398.6	329.1	285.2	256.0	245.0	259.6	336.4	420.5	376.6	365.7	358.4
72.5°	321.8	274.3	248.7	230.4	197.5	168.2	153.6	160.9	179.2	190.1	208.4
75°	226.7	208.4	208.4	186.5	142.6	106.0	84.1	69.5	47.5	32.9	36.6
77.5°	128.0	128.0	131.6	113.4	91.4	69.5	51.2	36.6	18.3	7.3	3.7
80°	87.8	95.1	102.4	91.4	76.8	62.2	43.9	25.6	11.0	0.0	0.0
82.5°	87.8	98.7	106.0	91.4	76.8	58.5	43.9	25.6	11.0	3.7	0.0
85°	18.3	21.9	25.6	29.3	43.9	43.9	32.9	21.9	11.0	3.7	0.0
87.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	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)