

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: P323214

Luminaire Tested: **GAN-SA0C-740-U-SL2-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323214  
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-SA0C-740-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 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: 57988 lumens  
Efficiency: N/A  
Efficacy: 103.9 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

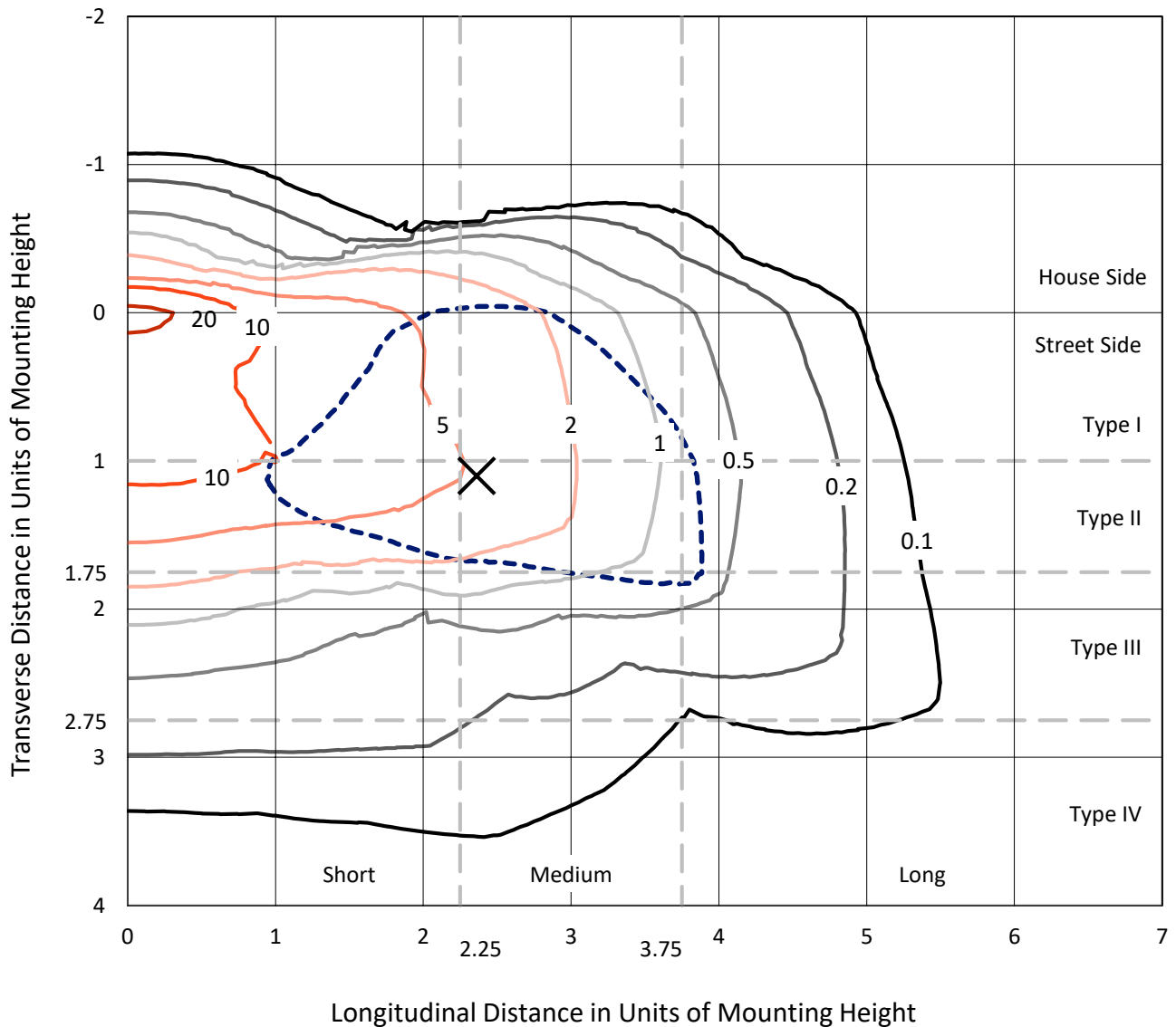
Input Watts (W): 558  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

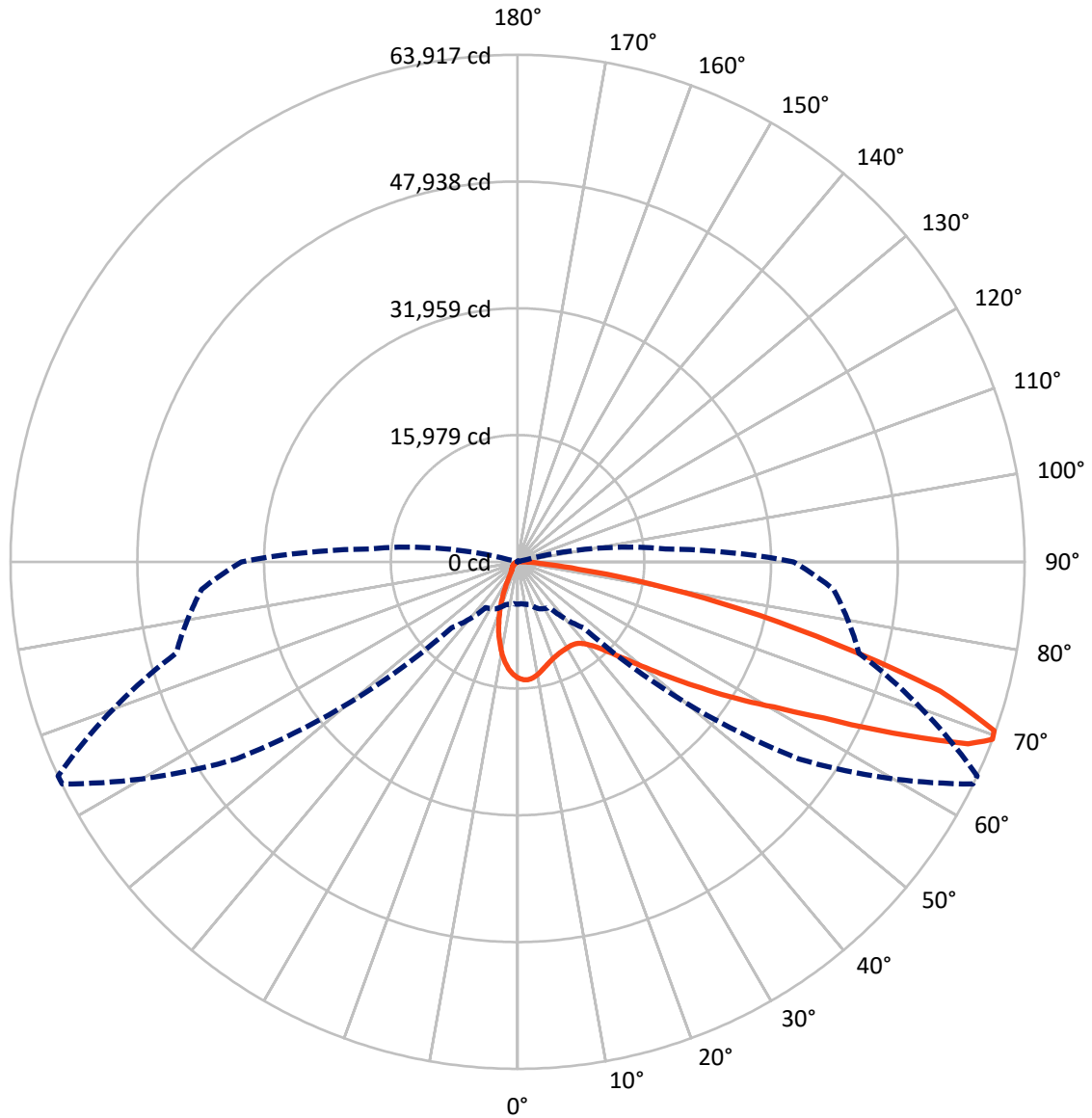
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6835.4	0.0	6835.4
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	51152.6	0.0	51152.6
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	57988.0	0.0	57988.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1225.3	2.1
10°-20°	2682.3	4.6
20°-30°	3715.2	6.4
30°-40°	5180.1	8.9
40°-50°	8051.6	13.9
50°-60°	12925.9	22.3
60°-70°	14621.4	25.2
70°-80°	8587.3	14.8
80°-90°	998.9	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°	57988.0	100.0
0°-180°	57988.0	100.0

**Coefficient of Utilization**

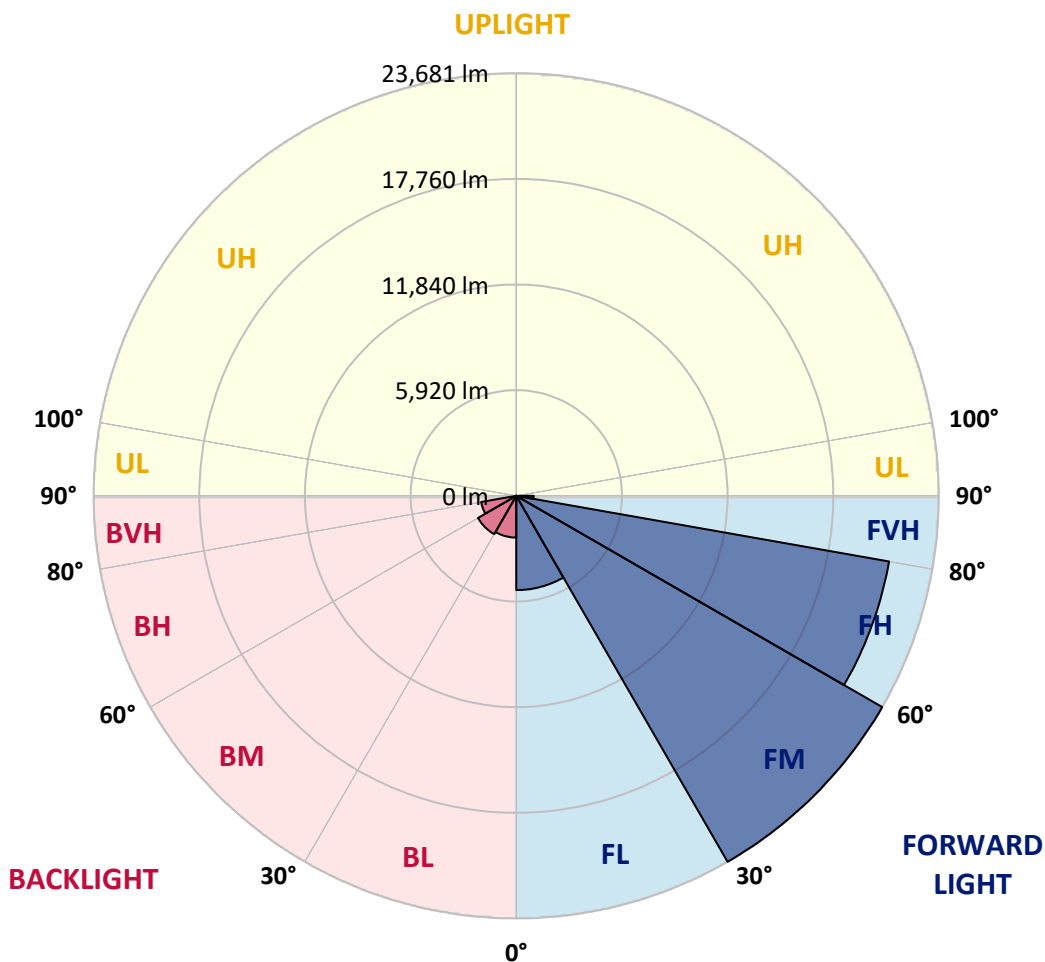


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5284.1	9.1			
FM (30°-60°)	23680.6	40.8			
FH (60°-80°)	21211.4	36.6			G5
FVH (80°-90°)	976.5	1.7			G5
BL (0°-30°)	2338.8	4.0	B3/2500		
BM (30°-60°)	2477.0	4.3	B2/2500		
BH (60°-80°)	1997.2	3.4	B3/2500		G3/2500
BVH (80°-90°)	22.5	0.0			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	14653.7	14653.7	14653.7	14653.7	14653.7	14653.7	14653.7	14653.7	14653.7	14653.7	14653.7
2.5°	14783.7	14746.9	14776.4	14840.2	14872.1	14872.1	14896.6	14867.1	14877.0	14805.8	14702.7
5°	13858.7	13802.2	13883.2	14062.3	14283.2	14472.1	14751.8	14899.0	14913.8	14916.2	14796.0
7.5°	12862.4	12810.9	12931.2	13142.2	13426.8	13777.7	14266.0	14692.9	14717.5	14948.1	14859.8
10°	12052.7	12015.9	12155.8	12381.5	12715.2	13107.8	13706.5	14300.3	14371.5	14881.9	14850.0
12.5°	11409.8	11380.4	11512.9	11773.0	12114.1	12548.4	13174.1	13863.6	13959.3	14732.2	14800.9
15°	10941.2	10936.3	11046.7	11297.0	11674.8	12079.7	12720.1	13458.7	13569.1	14570.2	14793.5
17.5°	10695.8	10703.2	10784.1	10997.6	11321.5	11723.9	12337.3	13117.6	13237.9	14425.5	14830.3
20°	10671.3	10678.6	10722.8	10843.0	11105.6	11461.4	12025.7	12830.5	12955.7	14317.5	14889.2
22.5°	10887.2	10882.3	10894.6	10882.3	11029.5	11299.4	11819.6	12609.7	12754.5	14246.4	14935.8
25°	11301.9	11294.5	11289.6	11198.8	11100.7	11245.4	11733.7	12484.6	12622.0	14194.8	14962.8
27.5°	11878.5	11873.6	11866.2	11716.6	11422.1	11331.3	11743.5	12438.0	12553.3	14153.1	14957.9
30°	12636.7	12671.1	12661.2	12452.7	11993.8	11593.9	11846.6	12413.4	12514.0	14072.1	14906.4
32.5°	13527.4	13596.1	13650.1	13426.8	12852.6	12114.1	12084.6	12440.4	12514.0	14010.8	14813.2
35°	14452.5	14540.8	14739.5	14661.0	13905.3	12896.8	12494.4	12602.4	12663.7	14045.1	14769.0
37.5°	15362.8	15468.3	15900.2	16128.4	15284.3	13932.3	13132.4	13002.3	13034.2	14253.7	14818.1
40°	16420.4	16579.8	17235.0	17603.1	16930.7	15318.6	14086.9	13689.4	13701.6	14712.6	15046.3
42.5°	17809.2	17973.6	18682.7	19259.3	18785.7	17070.6	15382.4	14739.5	14727.3	15571.4	15583.6
45°	19502.2	19674.0	20407.7	21048.1	20834.6	19146.4	17041.1	16273.1	16258.4	16925.8	16601.9
47.5°	21421.1	21590.4	22245.5	22905.6	23136.2	21570.7	19153.8	18366.2	18331.8	18807.8	18174.8
50°	23067.5	23177.9	23781.5	24669.8	25710.2	24549.6	21781.8	21023.5	20986.7	21308.2	20483.7
52.5°	23666.2	23730.0	24343.4	25587.5	28183.5	28583.5	25234.1	24257.6	24230.6	24370.4	23558.3
55°	22454.1	22569.4	23322.7	25167.9	29523.3	33142.5	29592.0	28262.0	28058.4	27756.6	26772.6
57.5°	19151.4	19335.4	20145.1	22598.8	28897.6	36759.3	35996.2	32791.6	32492.3	30647.1	29385.9
60°	14349.4	14575.1	15247.5	17895.0	25558.0	38047.5	42994.2	37839.0	37164.2	32948.7	31788.1
62.5°	9846.8	9959.7	10416.1	12141.1	18822.6	35937.3	48848.8	44599.0	43367.2	35451.5	34386.6
65°	7520.7	7559.9	7746.4	8340.2	11208.6	29192.0	51177.4	53518.3	52028.9	38445.0	37083.2
67.5°	6060.7	6028.8	6286.5	7135.4	7506.0	17809.2	48461.1	61956.7	61259.8	42447.1	39797.0
69°	5344.2	5300.1	5562.6	6549.0	7049.6	11773.0	43323.0	63873.0	63917.2	44559.7	39983.5
70°	4809.3	4838.8	5098.8	6200.6	6895.0	9240.7	38415.6	63384.7	63733.2	45349.8	38864.6
72.5°	3211.9	3290.5	3813.1	5147.9	6630.0	6993.1	23195.1	54391.8	55731.5	43570.9	33343.7
75°	1810.9	1869.7	2490.5	3881.8	6247.2	6659.4	12251.5	40071.8	41367.4	36435.4	25712.6
77.5°	888.2	920.1	1408.4	2505.3	5224.0	6345.3	6949.0	27219.2	28698.8	23781.5	14543.3
80°	375.4	392.6	704.2	1545.8	3734.6	6055.8	5160.2	16751.6	16935.6	9316.8	3874.4
82.5°	144.8	149.7	296.9	964.3	2372.8	4721.0	4316.1	7942.7	7751.3	1754.4	883.3
85°	17.2	19.6	108.0	579.1	1320.1	2429.2	3506.4	3423.0	3167.8	348.4	453.9
87.5°	0.0	0.0	7.4	176.7	392.6	1138.5	1823.1	1420.7	1280.8	112.9	235.6
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°	14653.7	14653.7	14653.7	14653.7	14653.7	14653.7	14653.7	14653.7	14653.7	14653.7	14653.7
2.5°	14616.9	14592.3	14459.8	14268.4	14086.9	13861.1	13645.2	13515.1	13412.1	13343.4	13424.4
5°	14656.1	14548.2	14145.7	13630.5	13125.0	12555.7	12025.7	11576.7	11400.0	11203.7	11292.1
7.5°	14643.9	14440.2	13716.3	12798.7	11871.1	10911.7	10003.9	9304.5	8941.4	8585.6	8676.4
10°	14582.5	14239.0	13142.2	11782.8	10394.0	9015.0	7726.8	6747.8	6200.6	5704.9	5776.1
12.5°	14447.6	13969.1	12464.9	10619.7	8762.3	6944.1	5435.0	4181.2	3508.8	3211.9	3248.7
15°	14366.6	13706.5	11748.5	9441.9	7020.1	4836.3	3322.3	2470.9	2164.2	2066.0	2078.3
17.5°	14327.3	13453.8	11007.4	8094.9	5238.7	3079.4	2147.0	1894.3	1828.0	1810.9	1815.8
20°	14288.1	13198.6	10244.3	6762.5	3609.4	2070.9	1764.2	1690.6	1666.1	1644.0	1648.9
22.5°	14221.8	12953.2	9424.8	5412.9	2434.1	1680.8	1590.0	1518.9	1467.3	1440.3	1445.2
25°	14140.8	12695.6	8588.1	4031.5	1776.5	1499.2	1413.3	1312.7	1251.4	1202.3	1204.8
27.5°	14010.8	12379.1	7724.3	2934.7	1491.9	1342.2	1226.9	1116.4	1013.4	957.0	957.0
30°	13829.2	12020.8	6764.9	2100.4	1337.3	1187.6	1047.7	910.3	799.9	748.4	743.5
32.5°	13628.0	11647.9	5795.7	1592.5	1214.6	1042.8	883.3	738.6	640.4	598.7	596.3
35°	13456.2	11245.4	4828.9	1334.8	1091.9	903.0	728.8	606.1	527.6	493.2	490.7
37.5°	13345.8	10843.0	3886.7	1192.5	981.5	772.9	611.0	500.6	444.1	417.1	414.7
40°	13328.7	10543.7	3025.4	1084.5	878.4	657.6	510.4	424.5	373.0	343.5	341.1
42.5°	13551.9	10371.9	2321.2	993.8	772.9	557.0	434.3	363.2	309.2	279.7	277.3
45°	14138.4	10425.9	1786.3	912.8	667.4	471.1	368.1	301.8	252.7	230.7	225.7
47.5°	15208.2	10798.9	1420.7	831.8	566.8	400.0	314.1	250.3	208.6	186.5	184.0
50°	17112.3	11674.8	1187.6	743.5	473.6	341.1	260.1	203.7	169.3	149.7	147.2
52.5°	19639.6	13235.4	1060.0	657.6	392.6	289.5	213.5	161.9	132.5	117.8	115.3
55°	22427.1	15124.8	976.6	564.4	321.4	240.5	169.3	127.6	103.1	90.8	85.9
57.5°	25148.3	16761.4	898.1	473.6	267.5	196.3	135.0	100.6	81.0	68.7	66.3
60°	27648.6	18265.6	807.3	380.3	218.4	154.6	105.5	78.5	63.8	51.5	51.5
62.5°	30325.6	19428.6	682.1	296.9	179.1	117.8	85.9	71.2	51.5	44.2	41.7
65°	33162.1	20292.3	534.9	230.7	139.9	88.3	71.2	73.6	41.7	31.9	29.4
67.5°	35257.6	20120.6	395.1	181.6	108.0	68.7	68.7	78.5	36.8	24.5	22.1
69°	34796.3	18724.4	331.3	157.0	93.2	58.9	63.8	78.5	34.4	22.1	19.6
70°	33459.0	17178.6	292.0	139.9	83.4	54.0	61.3	76.1	31.9	22.1	19.6
72.5°	27864.5	12938.5	228.2	105.5	66.3	44.2	51.5	66.3	31.9	22.1	17.2
75°	20959.8	8281.3	174.2	76.1	49.1	34.4	39.3	49.1	31.9	19.6	17.2
77.5°	11404.9	2986.2	125.1	51.5	34.4	27.0	27.0	36.8	29.4	14.7	9.8
80°	2932.2	750.8	78.5	34.4	27.0	19.6	17.2	24.5	17.2	2.5	0.0
82.5°	723.9	169.3	41.7	24.5	19.6	7.4	7.4	12.3	7.4	0.0	0.0
85°	397.5	83.4	27.0	17.2	9.8	0.0	0.0	2.5	0.0	0.0	0.0
87.5°	203.7	24.5	7.4	4.9	2.5	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)