

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: P321660

Luminaire Tested: **GAN-SA6D-750-U-T3R-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P321660  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6D-750-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35690 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

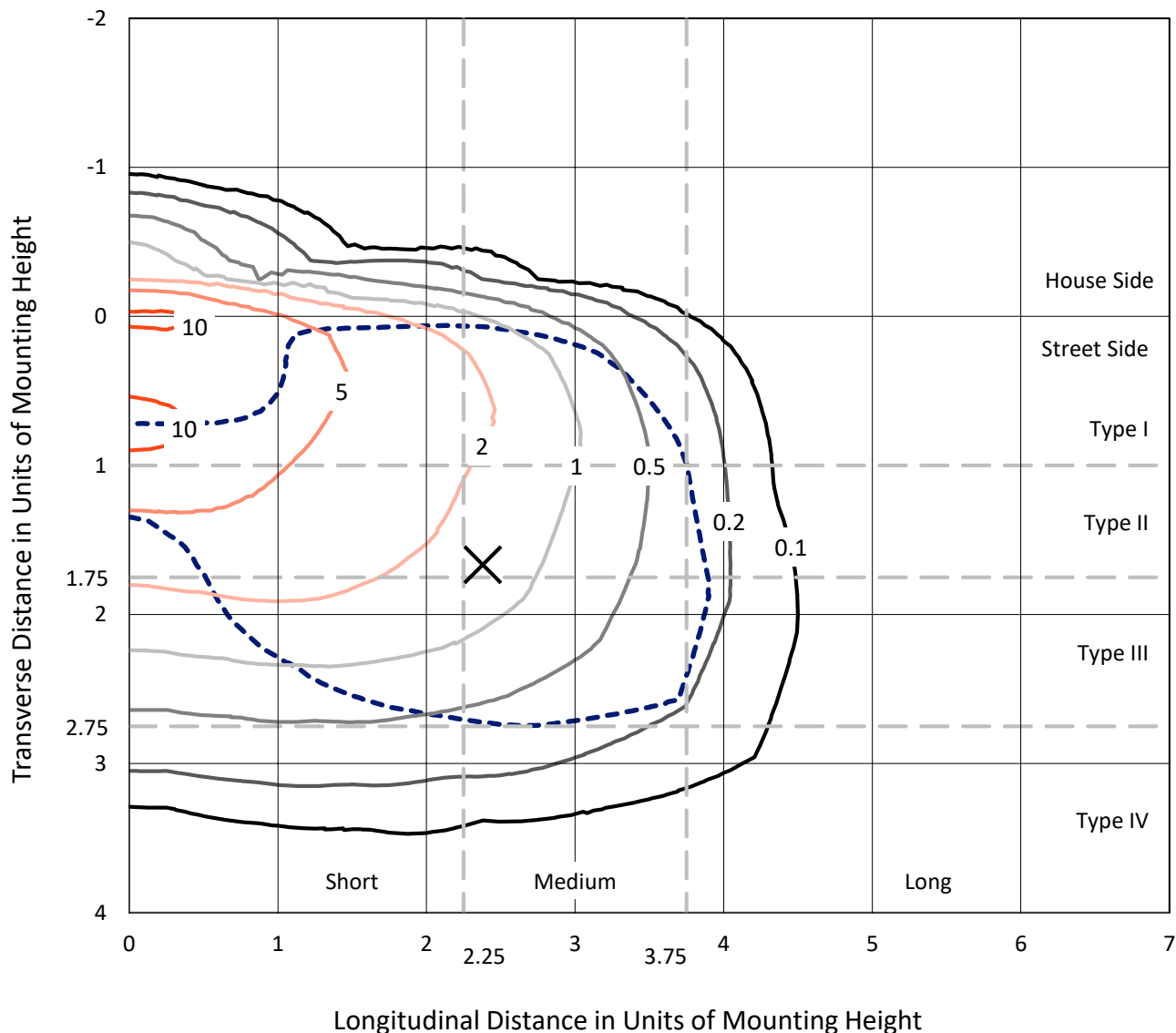
Input Watts (W): 382  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

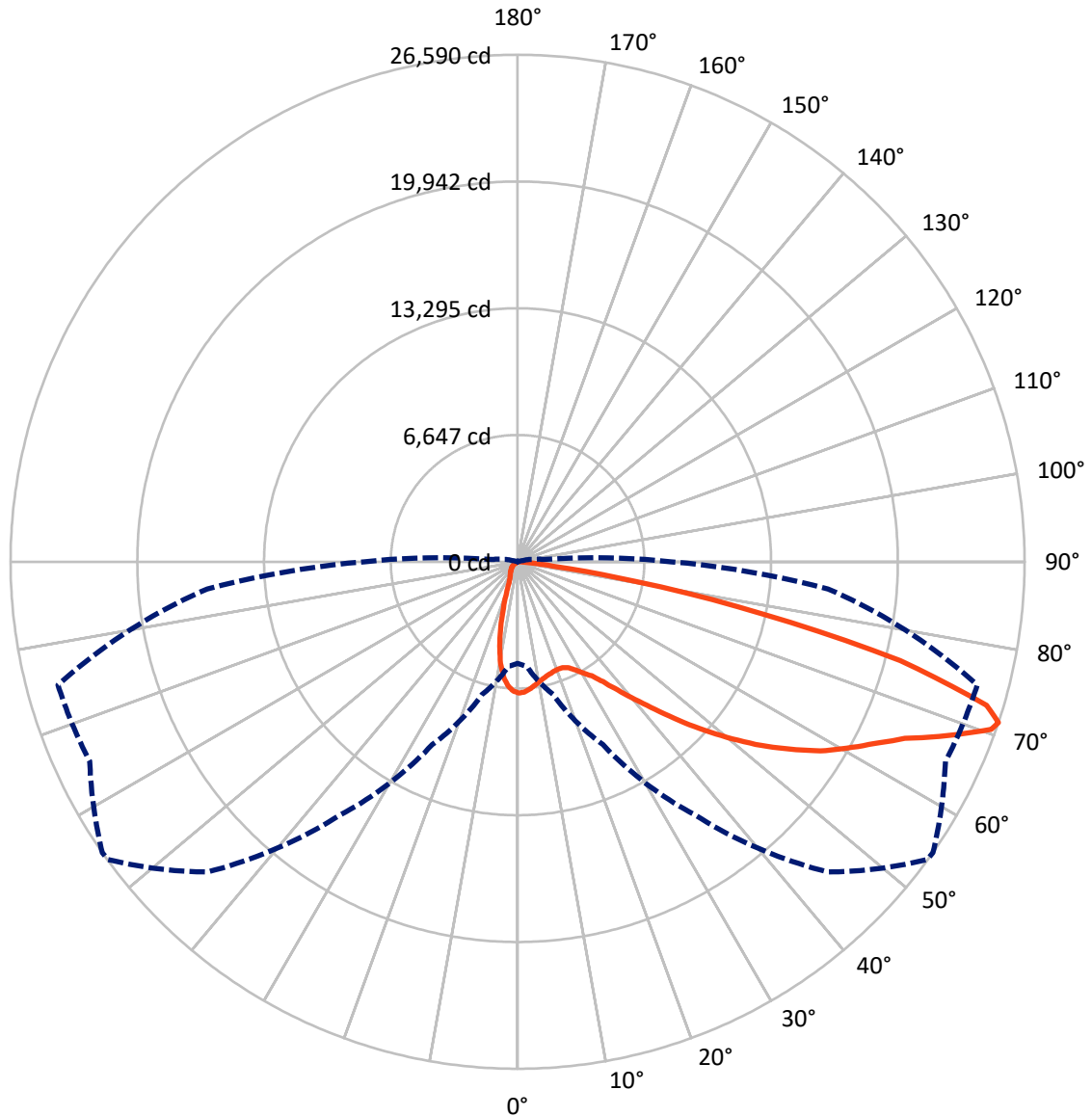
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2825.7	0.0	2825.7
	% Fixture	7.9	0.0	7.9
<b>Street Side</b>	Lumens	32864.3	0.0	32864.3
	% Fixture	92.1	0.0	92.1
<b>Total</b>	Lumens	35690.0	0.0	35690.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	586.9	1.6
10°-20°	1324.9	3.7
20°-30°	2129.1	6.0
30°-40°	3617.5	10.1
40°-50°	5614.8	15.7
50°-60°	7549.0	21.2
60°-70°	9234.9	25.9
70°-80°	5399.4	15.1
80°-90°	233.4	0.7
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°	35690.0	100.0
0°-180°	35690.0	100.0

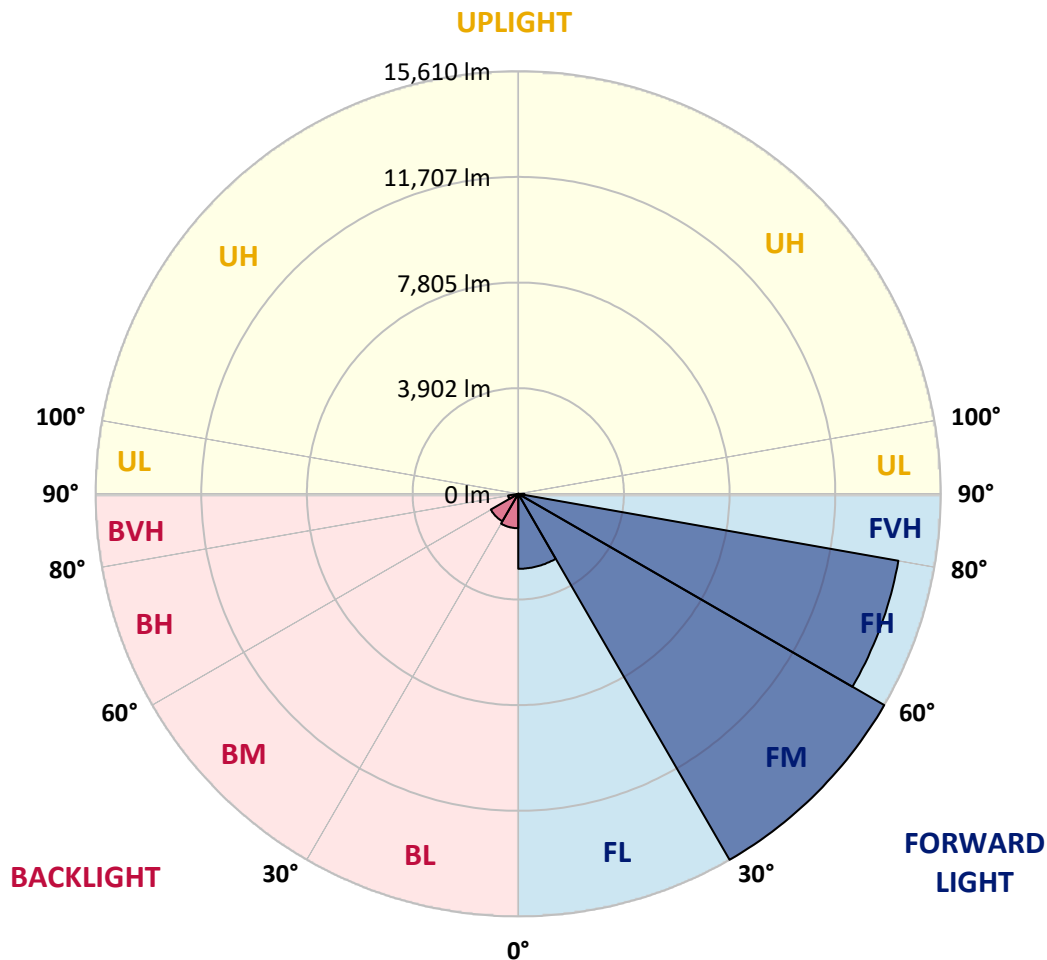


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2769.1	7.8			
FM (30°-60°)	15609.8	43.7			
FH (60°-80°)	14255.8	39.9			G5
FVH (80°-90°)	229.7	0.6			G3/500
BL (0°-30°)	1271.8	3.6	B3/2500		
BM (30°-60°)	1171.6	3.3	B2/2500		
BH (60°-80°)	378.6	1.1	B1/500		G1/500
BVH (80°-90°)	3.7	0.0			G0/10
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°	54°	55°	65°	75°	85°
0°	6882.9	6882.9	6882.9	6882.9	6882.9	6882.9	6882.9	6882.9	6882.9	6882.9	6882.9
2.5°	6681.0	6689.0	6717.9	6730.7	6761.2	6812.4	6838.1	6839.7	6881.3	6897.4	6910.2
5°	6208.3	6256.3	6304.4	6355.7	6448.7	6572.1	6693.8	6705.1	6839.7	6939.0	6991.9
7.5°	5801.2	5844.5	5902.2	5983.9	6115.3	6309.2	6512.8	6536.8	6791.6	7017.6	7136.1
10°	5383.0	5418.2	5501.5	5621.7	5802.8	6062.4	6336.5	6376.5	6748.3	7123.3	7331.7
12.5°	4935.8	4956.7	5057.6	5230.7	5496.7	5826.9	6187.4	6240.3	6721.1	7245.1	7562.4
15°	4596.1	4605.7	4701.9	4881.4	5185.8	5615.3	6072.1	6136.2	6727.5	7391.0	7814.0
17.5°	4509.6	4514.4	4565.7	4689.1	4958.3	5426.2	5980.7	6059.2	6746.7	7533.6	8067.2
20°	4860.5	4826.9	4774.0	4754.8	4870.1	5312.4	5926.2	6014.4	6772.4	7660.2	8294.8
22.5°	5823.7	5724.3	5504.8	5211.5	5033.6	5320.5	5940.6	6028.8	6854.1	7815.6	8557.6
25°	7253.1	7115.3	6741.9	6165.0	5610.5	5551.2	6060.8	6150.6	7012.8	8001.5	8809.2
27.5°	8879.7	8743.5	8286.8	7463.1	6517.6	6008.0	6336.5	6419.8	7248.3	8166.6	9001.5
30°	10437.4	10398.9	9860.5	8924.6	7658.6	6748.3	6692.2	6762.8	7423.0	8265.9	9153.8
32.5°	11757.9	11697.0	11264.3	10354.1	8964.7	7637.7	7110.5	7131.3	7554.4	8394.1	9352.5
35°	12982.2	12906.9	12527.1	11666.6	10304.4	8724.3	7754.7	7724.3	7841.3	8652.2	9640.9
37.5°	14051.1	14120.1	13698.6	12879.7	11506.3	9854.1	8623.3	8532.0	8290.0	9072.0	10059.2
40°	14945.4	14945.4	14725.8	14043.1	12804.4	11022.3	9605.7	9485.5	8964.7	9719.5	10589.6
42.5°	15267.5	15336.4	15418.1	15031.9	13966.2	12237.1	10700.2	10575.2	9915.0	10637.7	11259.5
45°	15286.7	15395.7	15813.9	15812.3	15015.9	13443.8	11934.2	11874.9	11132.9	11817.2	12089.6
47.5°	15015.9	15152.1	15841.2	16232.2	15847.6	14567.2	13283.5	13209.8	12564.0	13262.7	12958.2
50°	14597.6	14748.3	15549.5	16397.3	16413.3	15544.7	14705.0	14594.4	14139.3	14914.9	13855.6
52.5°	13849.2	14140.9	15288.3	16435.7	16785.1	16389.3	16057.5	16009.5	15902.1	16506.2	14570.4
55°	12248.3	12572.0	14632.9	16448.6	17129.6	17137.7	17325.1	17338.0	17554.3	17993.4	15102.4
57.5°	11491.9	11674.6	13488.6	16509.5	17640.9	17987.0	18616.8	18716.2	19051.1	19405.3	15709.8
60°	11015.9	11232.3	12924.6	16426.1	18443.7	19100.8	19813.9	19847.6	20206.5	20862.0	16531.9
62.5°	10636.1	10849.3	12568.8	16105.6	19346.0	20440.5	20983.8	20987.0	21256.2	22597.5	17466.2
65°	9698.6	9878.1	11849.2	15745.0	19942.1	21765.8	22342.7	22321.9	22541.4	24427.6	18551.1
67.5°	8342.9	8480.7	10379.7	14378.1	19717.8	22970.9	24394.0	24325.1	24059.1	26009.4	18977.4
70°	6450.3	6499.9	8181.0	11982.3	17615.2	23434.1	26376.3	26341.1	24990.1	25725.7	17414.9
71°	5331.7	5495.1	7209.9	10575.2	16206.6	23006.2	26568.6	26589.5	24756.2	24953.3	16339.6
72.5°	3096.1	3235.5	5225.9	8121.7	13759.5	21220.9	25571.9	25722.5	23663.2	22696.9	13956.6
75°	663.5	709.9	1937.5	3931.1	7568.8	14873.2	20184.1	20720.9	19286.7	15440.6	8411.8
77.5°	461.5	498.4	830.1	1783.6	2501.6	7349.3	12538.3	13144.1	11522.3	5802.8	2692.3
80°	365.4	407.0	647.4	881.4	676.3	2370.2	5873.3	6243.5	3842.9	1294.9	453.5
82.5°	203.5	242.0	504.8	476.0	259.6	450.3	1644.2	1859.0	769.2	261.2	107.4
85°	59.3	72.1	325.3	346.2	110.6	86.5	280.4	347.8	145.8	68.9	48.1
87.5°	0.0	0.0	157.0	133.0	32.1	12.8	25.6	28.8	28.8	28.8	32.1
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°	6882.9	6882.9	6882.9	6882.9	6882.9	6882.9	6882.9	6882.9	6882.9	6882.9	6882.9
2.5°	6910.2	6921.4	6881.3	6828.5	6772.4	6703.5	6631.3	6575.3	6573.7	6546.4	6519.2
5°	6995.1	6988.7	6878.1	6709.9	6511.2	6304.4	6107.3	5884.6	5810.8	5719.5	5689.0
7.5°	7152.2	7107.3	6873.3	6504.7	6068.9	5636.2	5189.1	4738.7	4546.4	4373.4	4342.9
10°	7349.3	7264.4	6842.9	6197.1	5397.4	4599.3	3924.6	3312.5	3043.2	2836.5	2826.9
12.5°	7554.4	7424.6	6757.9	5732.3	4517.6	3395.8	2618.6	2016.0	1791.6	1647.4	1660.2
15°	7769.2	7575.2	6575.3	5105.7	3516.0	2304.5	1609.0	1254.8	1165.1	1128.2	1137.8
17.5°	7988.7	7679.4	6320.5	4350.9	2527.2	1487.2	1113.8	1014.4	1014.4	1022.4	1025.6
20°	8179.4	7735.5	5945.5	3504.8	1713.1	1083.3	974.3	959.9	967.9	980.8	982.4
22.5°	8368.5	7738.7	5456.7	2647.4	1198.7	948.7	927.9	921.5	926.3	940.7	942.3
25°	8522.4	7700.2	4844.5	1883.0	956.7	894.2	884.6	881.4	884.6	902.2	902.2
27.5°	8584.9	7560.8	4097.7	1323.7	857.4	833.3	830.1	833.3	838.1	851.0	852.6
30°	8591.3	7317.2	3283.6	958.3	777.2	751.6	758.0	769.2	764.4	761.2	764.4
32.5°	8607.3	7035.2	2490.4	788.5	709.9	669.9	661.9	661.9	642.6	631.4	625.0
35°	8660.2	6703.5	1806.1	708.3	641.0	594.5	564.1	528.8	492.0	472.8	467.9
37.5°	8743.5	6355.7	1293.3	655.4	580.1	527.2	469.5	407.0	354.2	339.7	339.7
40°	8895.7	5996.7	956.7	613.8	532.0	466.3	379.8	298.1	250.0	242.0	242.0
42.5°	9136.1	5618.5	762.8	576.9	490.4	403.8	290.1	216.3	181.1	176.3	174.7
45°	9386.1	5201.9	666.7	541.7	445.5	331.7	214.7	160.3	139.4	134.6	134.6
47.5°	9636.1	4758.0	620.2	508.0	402.2	258.0	160.3	126.6	117.0	117.0	118.6
50°	9847.7	4294.8	586.5	471.1	346.2	195.5	126.6	107.4	104.2	110.6	112.2
52.5°	9900.5	3839.7	544.9	424.7	277.2	149.0	104.2	94.6	94.6	94.6	94.6
55°	9868.5	3487.1	490.4	367.0	205.1	118.6	89.7	83.3	81.7	81.7	81.7
57.5°	9977.5	3278.8	392.6	285.3	147.4	96.2	78.5	73.7	70.5	68.9	68.9
60°	10197.0	3142.6	280.4	205.1	110.6	80.1	67.3	62.5	57.7	54.5	54.5
62.5°	10488.7	3024.0	208.3	152.2	84.9	64.1	56.1	51.3	44.9	41.7	41.7
65°	10713.0	2812.5	158.7	113.8	64.1	51.3	43.3	41.7	32.1	28.8	27.2
67.5°	10370.1	2347.7	128.2	83.3	48.1	40.1	33.7	32.1	19.2	16.0	16.0
70°	8894.1	1634.6	102.6	60.9	35.3	32.1	27.2	20.8	14.4	12.8	12.8
71°	8065.6	1365.4	92.9	51.3	30.4	30.4	25.6	17.6	12.8	11.2	11.2
72.5°	6700.3	969.5	78.5	40.1	27.2	32.1	27.2	16.0	12.8	11.2	9.6
75°	3889.4	405.4	54.5	27.2	20.8	38.5	35.3	14.4	9.6	8.0	8.0
77.5°	1169.9	149.0	30.4	17.6	16.0	33.7	40.1	12.8	4.8	1.6	1.6
80°	213.1	64.1	19.2	11.2	11.2	20.8	30.4	6.4	0.0	0.0	0.0
82.5°	75.3	32.1	11.2	6.4	4.8	9.6	14.4	0.0	0.0	0.0	0.0
85°	43.3	22.4	6.4	3.2	0.0	1.6	3.2	0.0	0.0	0.0	0.0
87.5°	28.8	6.4	0.0	0.0	0.0	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)