

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: P323253

Luminaire Tested: **GAN-SA9C-750-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323253
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-SA9C-750-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5000K, 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: 52375 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

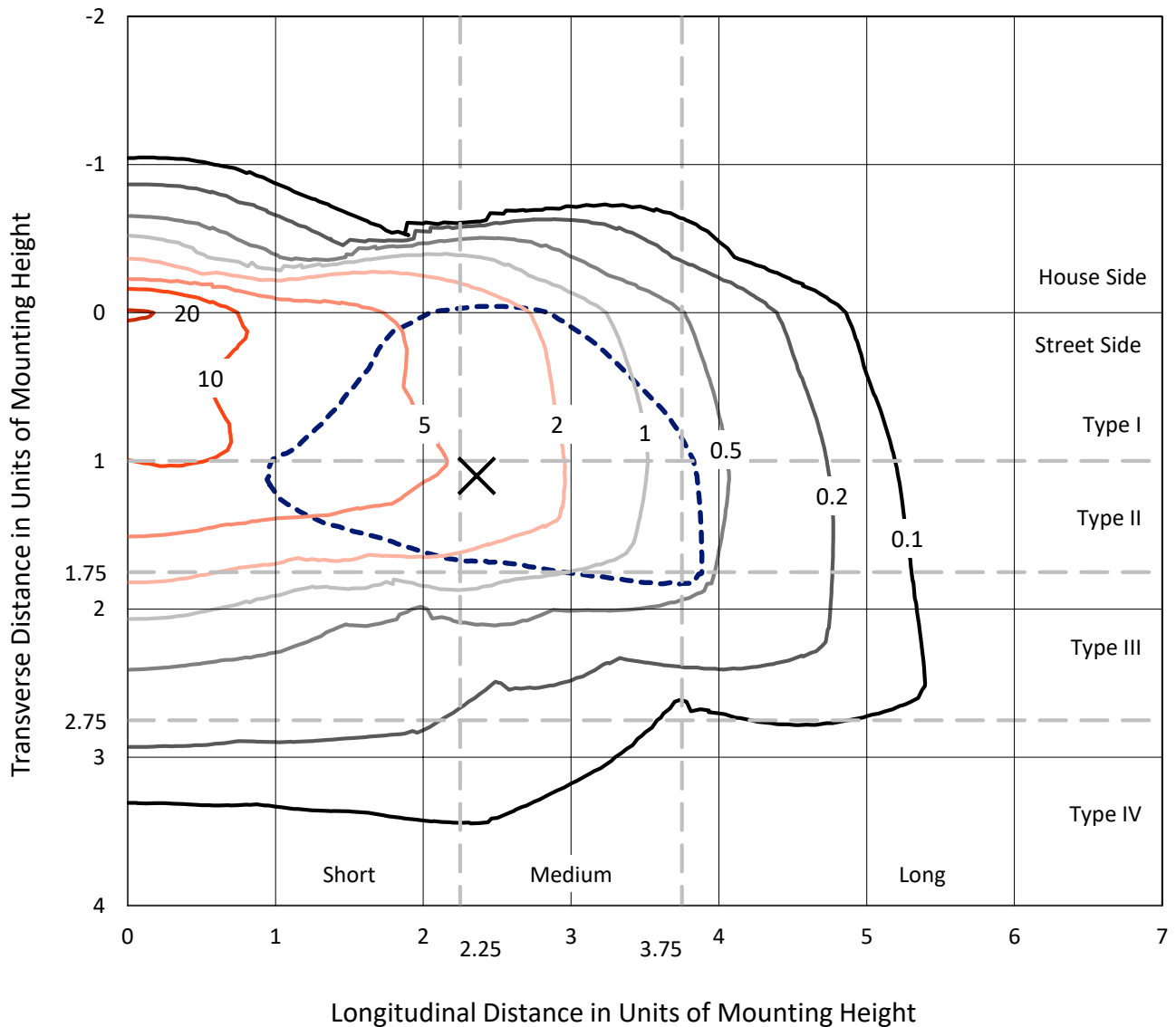
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

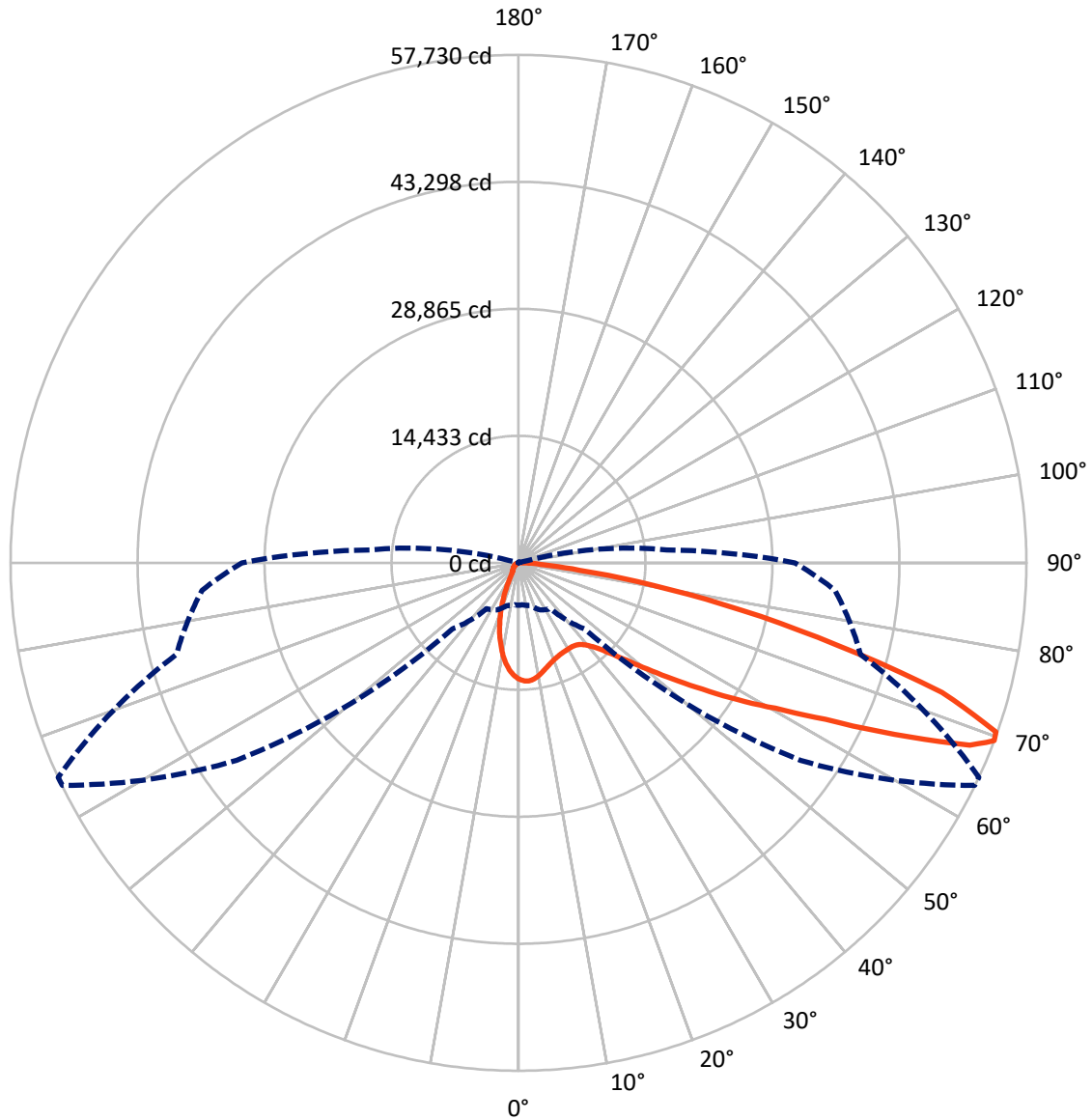
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.2 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
House Side	Lumens	6173.8	0.0	6173.8
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	46201.2	0.0	46201.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	52375.0	0.0	52375.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1106.7	2.1
10°-20°	2422.7	4.6
20°-30°	3355.5	6.4
30°-40°	4678.7	8.9
40°-50°	7272.2	13.9
50°-60°	11674.8	22.3
60°-70°	13206.1	25.2
70°-80°	7756.0	14.8
80°-90°	902.2	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°	52375.0	100.0
0°-180°	52375.0	100.0

Coefficient of Utilization

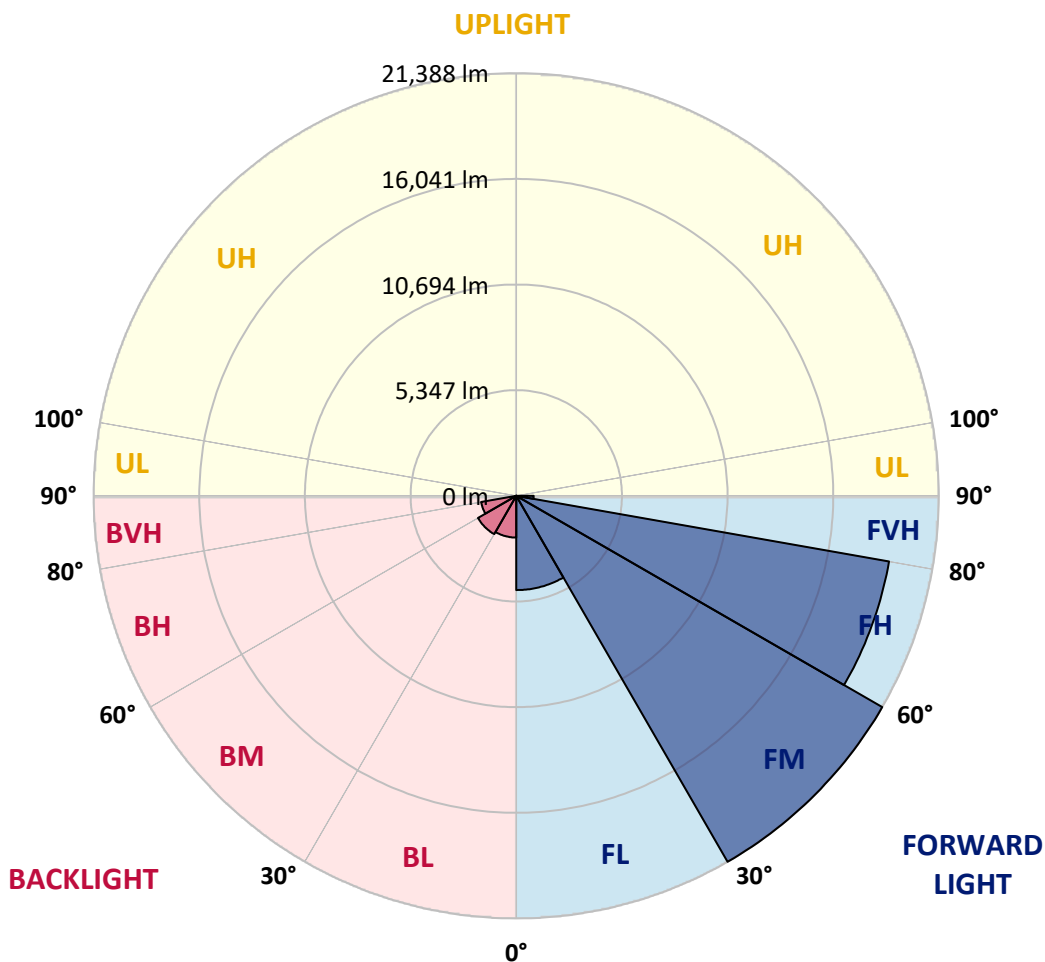


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4772.6	9.1			
FM (30°-60°)	21388.4	40.8			
FH (60°-80°)	19158.3	36.6			G5
FVH (80°-90°)	881.9	1.7			G5
BL (0°-30°)	2112.4	4.0	B3/2500		
BM (30°-60°)	2237.2	4.3	B2/2500		
BH (60°-80°)	1803.8	3.4	B3/2500		G3/2500
BVH (80°-90°)	20.3	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°	13235.3	13235.3	13235.3	13235.3	13235.3	13235.3	13235.3	13235.3	13235.3	13235.3	13235.3
2.5°	13352.7	13319.5	13346.1	13403.7	13432.5	13432.5	13454.7	13428.1	13436.9	13372.7	13279.6
5°	12517.2	12466.2	12539.4	12701.1	12900.6	13071.3	13323.9	13456.9	13470.2	13472.4	13363.8
7.5°	11617.4	11570.9	11679.5	11870.1	12127.1	12444.1	12885.1	13270.7	13292.9	13501.2	13421.4
10°	10886.1	10852.8	10979.1	11183.0	11484.4	11839.0	12379.8	12916.1	12980.4	13441.4	13412.6
12.5°	10305.4	10278.8	10398.5	10633.4	10941.5	11333.7	11898.9	12521.6	12608.1	13306.2	13368.2
15°	9882.1	9877.7	9977.4	10203.5	10544.8	10910.4	11488.9	12156.0	12255.7	13159.9	13361.6
17.5°	9660.5	9667.1	9740.3	9933.1	10225.6	10589.1	11143.1	11847.9	11956.5	13029.1	13394.8
20°	9638.3	9645.0	9684.9	9793.5	10030.6	10352.0	10861.7	11588.6	11701.6	12931.6	13448.0
22.5°	9833.4	9828.9	9840.0	9828.9	9961.9	10205.7	10675.5	11389.1	11519.9	12867.4	13490.1
25°	10207.9	10201.3	10196.8	10114.8	10026.2	10156.9	10598.0	11276.1	11400.2	12820.8	13514.5
27.5°	10728.7	10724.3	10717.6	10582.4	10316.5	10234.5	10606.8	11234.0	11338.2	12783.1	13510.1
30°	11413.5	11444.6	11435.7	11247.3	10832.9	10471.6	10699.9	11211.8	11302.7	12710.0	13463.5
32.5°	12218.0	12280.1	12328.8	12127.1	11608.6	10941.5	10914.9	11236.2	11302.7	12654.6	13379.3
35°	13053.5	13133.3	13312.8	13241.9	12559.3	11648.4	11285.0	11382.5	11437.9	12685.6	13339.4
37.5°	13875.7	13971.0	14361.1	14567.2	13804.8	12583.7	11861.2	11743.7	11772.6	12874.0	13383.7
40°	14830.9	14975.0	15566.7	15899.1	15291.9	13835.8	12723.3	12364.3	12375.4	13288.4	13589.8
42.5°	16085.3	16233.8	16874.3	17395.1	16967.4	15418.2	13893.5	13312.8	13301.7	14064.1	14075.2
45°	17614.5	17769.6	18432.3	19010.7	18817.9	17293.1	15391.6	14698.0	14684.7	15287.5	14994.9
47.5°	19347.6	19500.5	20092.2	20688.4	20896.7	19482.8	17299.8	16588.4	16557.4	16987.3	16415.5
50°	20834.7	20934.4	21479.6	22281.9	23221.5	22173.3	19673.4	18988.6	18955.3	19245.6	18501.0
52.5°	21375.4	21433.0	21987.1	23110.7	25455.5	25816.7	22791.6	21909.5	21885.2	22011.5	21277.9
55°	20280.6	20384.8	21065.2	22731.7	26665.5	29934.5	26727.6	25526.4	25342.5	25069.9	24181.2
57.5°	17297.6	17463.8	18195.2	20411.4	26100.4	33201.2	32511.9	29617.5	29347.2	27680.6	26541.4
60°	12960.4	13164.3	13771.6	16162.9	23084.1	34364.7	38832.6	34176.3	33566.8	29759.4	28711.1
62.5°	8893.7	8995.6	9407.8	10965.8	17000.6	32458.7	44120.5	40282.0	39169.4	32019.9	31058.1
65°	6792.7	6828.2	6996.6	7532.9	10123.7	26366.3	46223.7	48337.9	46992.7	34723.7	33493.7
67.5°	5474.1	5445.2	5678.0	6444.8	6779.4	16085.3	43770.3	55959.5	55330.1	38338.4	35944.8
69°	4826.9	4787.0	5024.2	5915.1	6367.2	10633.4	39129.5	57690.4	57730.3	40246.5	36113.3
70°	4343.8	4370.4	4605.3	5600.4	6227.6	8346.3	34697.1	57249.3	57564.0	40960.1	35102.7
72.5°	2901.0	2971.9	3444.0	4649.6	5988.2	6316.2	20949.9	49126.9	50337.0	39353.4	30116.2
75°	1635.6	1688.8	2249.5	3506.1	5642.5	6014.8	11065.6	36193.1	37363.2	32908.6	23223.7
77.5°	802.3	831.1	1272.1	2262.8	4718.3	5731.1	6276.3	24584.5	25920.9	21479.6	13135.5
80°	339.1	354.6	636.1	1396.2	3373.1	5469.6	4660.7	15130.1	15296.3	8415.0	3499.4
82.5°	130.8	135.2	268.2	871.0	2143.1	4264.0	3898.3	7173.9	7001.0	1584.6	797.8
85°	15.5	17.7	97.5	523.0	1192.3	2194.1	3167.0	3091.6	2861.1	314.7	410.0
87.5°	0.0	0.0	6.6	159.6	354.6	1028.3	1646.7	1283.2	1156.9	101.9	212.8
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°	13235.3	13235.3	13235.3	13235.3	13235.3	13235.3	13235.3	13235.3	13235.3	13235.3	13235.3
2.5°	13202.0	13179.8	13060.2	12887.3	12723.3	12519.4	12324.4	12206.9	12113.8	12051.8	12124.9
5°	13237.5	13140.0	12776.5	12311.1	11854.6	11340.4	10861.7	10456.1	10296.5	10119.3	10199.0
7.5°	13226.4	13042.4	12388.7	11559.8	10722.1	9855.5	9035.5	8403.9	8075.9	7754.5	7836.5
10°	13171.0	12860.7	11870.1	10642.3	9387.9	8142.4	6978.9	6094.6	5600.4	5152.7	5217.0
12.5°	13049.1	12616.9	11258.4	9591.8	7914.1	6271.9	4908.9	3776.4	3169.2	2901.0	2934.3
15°	12976.0	12379.8	10611.3	8528.0	6340.6	4368.2	3000.8	2231.7	1954.7	1866.1	1877.1
17.5°	12940.5	12151.5	9942.0	7311.3	4731.6	2781.4	1939.2	1710.9	1651.1	1635.6	1640.0
20°	12905.0	11921.0	9252.7	6107.9	3260.1	1870.5	1593.5	1527.0	1504.8	1484.9	1489.3
22.5°	12845.2	11699.4	8512.5	4889.0	2198.5	1518.1	1436.1	1371.8	1325.3	1300.9	1305.4
25°	12772.1	11466.7	7756.8	3641.2	1604.5	1354.1	1276.5	1185.7	1130.3	1085.9	1088.2
27.5°	12654.6	11180.8	6976.7	2650.6	1347.5	1212.3	1108.1	1008.4	915.3	864.3	864.3
30°	12490.6	10857.3	6110.1	1897.1	1207.8	1072.6	946.3	822.2	722.5	675.9	671.5
32.5°	12308.9	10520.4	5234.7	1438.3	1097.0	941.9	797.8	667.1	578.4	540.8	538.5
35°	12153.7	10156.9	4361.5	1205.6	986.2	815.6	658.2	547.4	476.5	445.5	443.2
37.5°	12054.0	9793.5	3510.5	1077.1	886.5	698.1	551.8	452.1	401.1	376.8	374.5
40°	12038.5	9523.1	2732.6	979.6	793.4	593.9	461.0	383.4	336.9	310.3	308.1
42.5°	12240.2	9368.0	2096.5	897.6	698.1	503.1	392.3	328.0	279.2	252.6	250.4
45°	12769.8	9416.7	1613.4	824.4	602.8	425.5	332.4	272.6	228.3	208.3	203.9
47.5°	13736.1	9753.6	1283.2	751.3	511.9	361.2	283.7	226.1	188.4	168.4	166.2
50°	15455.9	10544.8	1072.6	671.5	427.7	308.1	234.9	183.9	152.9	135.2	133.0
52.5°	17738.6	11954.3	957.4	593.9	354.6	261.5	192.8	146.3	119.7	106.4	104.2
55°	20256.2	13660.8	882.1	509.7	290.3	217.2	152.9	115.2	93.1	82.0	77.6
57.5°	22714.0	15139.0	811.1	427.7	241.6	177.3	121.9	90.9	73.1	62.1	59.8
60°	24972.3	16497.5	729.1	343.5	197.2	139.6	95.3	70.9	57.6	46.5	46.5
62.5°	27390.2	17548.0	616.1	268.2	161.8	106.4	77.6	64.3	46.5	39.9	37.7
65°	29952.2	18328.1	483.1	208.3	126.3	79.8	64.3	66.5	37.7	28.8	26.6
67.5°	31844.8	18173.0	356.8	164.0	97.5	62.1	62.1	70.9	33.2	22.2	19.9
69°	31428.2	16912.0	299.2	141.8	84.2	53.2	57.6	70.9	31.0	19.9	17.7
70°	30220.3	15515.7	263.7	126.3	75.4	48.8	55.4	68.7	28.8	19.9	17.7
72.5°	25167.4	11686.1	206.1	95.3	59.8	39.9	46.5	59.8	28.8	19.9	15.5
75°	18930.9	7479.7	157.4	68.7	44.3	31.0	35.5	44.3	28.8	17.7	15.5
77.5°	10301.0	2697.1	113.0	46.5	31.0	24.4	24.4	33.2	26.6	13.3	8.9
80°	2648.4	678.2	70.9	31.0	24.4	17.7	15.5	22.2	15.5	2.2	0.0
82.5°	653.8	152.9	37.7	22.2	17.7	6.6	6.6	11.1	6.6	0.0	0.0
85°	359.0	75.4	24.4	15.5	8.9	0.0	0.0	2.2	0.0	0.0	0.0
87.5°	183.9	22.2	6.6	4.4	2.2	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)