

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: P459277

Luminaire Tested: **GLAN-SA7C-735-U-SL4-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-735-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37522 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

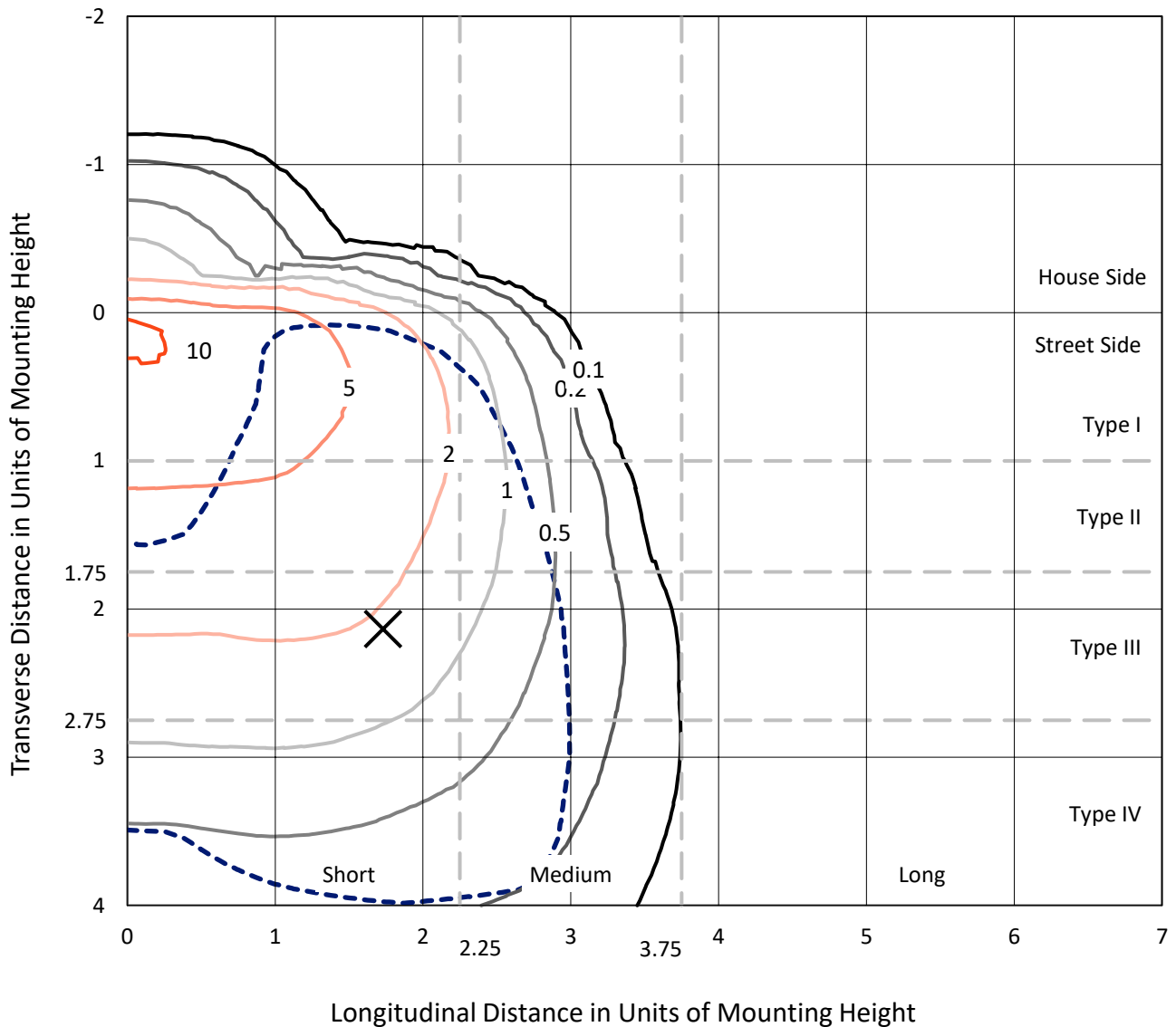
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P459277
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Iso-Footcandle Lines of Horizontal Illumination

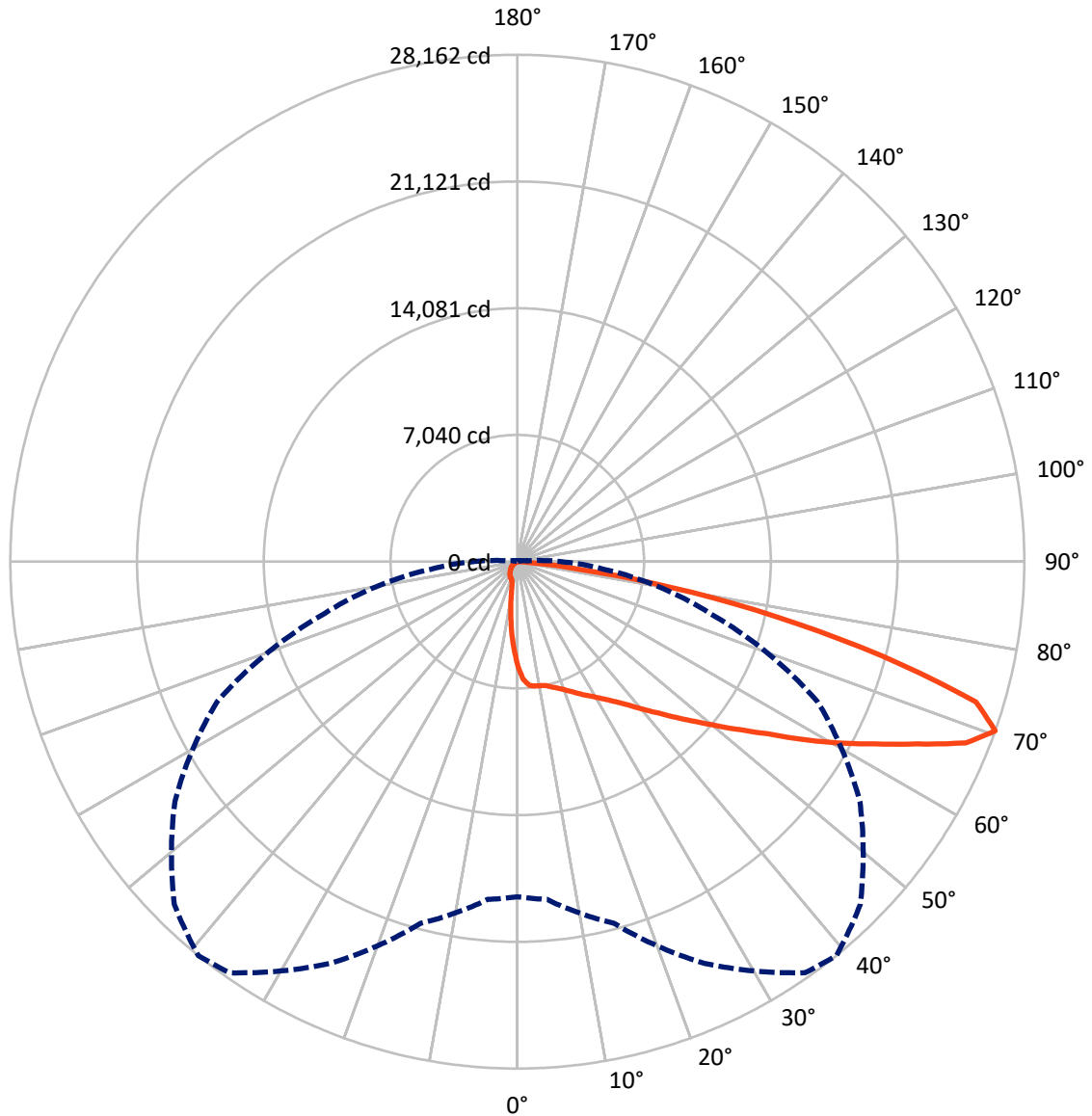
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P459277
CATALOG NUMBER: GLAN-SA7C-735-U-SL4-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2446.6	0.0	2446.6
	% Fixture	6.5	0.0	6.5
Street Side	Lumens	35075.4	0.0	35075.4
	% Fixture	93.5	0.0	93.5
Total	Lumens	37522.0	0.0	37522.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.4	1.3
10°-20°	1297.7	3.5
20°-30°	2174.0	5.8
30°-40°	3371.6	9.0
40°-50°	5343.0	14.2
50°-60°	7832.1	20.9
60°-70°	10038.9	26.8
70°-80°	6308.1	16.8
80°-90°	657.2	1.8
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°	37522.0	100.0
0°-180°	37522.0	100.0

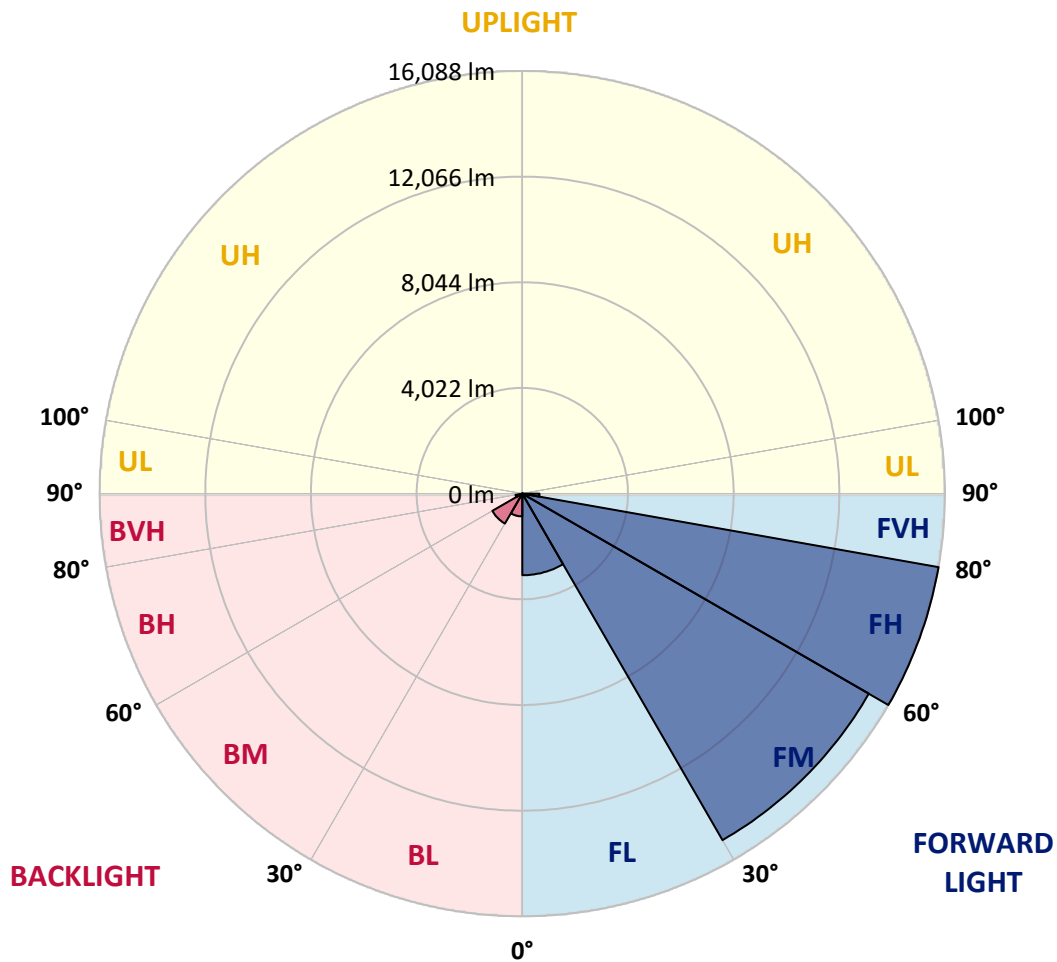


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3104.8	8.3			
FM	(30°-60°)	15230.1	40.6			
FH	(60°-80°)	16088.2	42.9			G5
FVH	(80°-90°)	652.3	1.7			G4/750
BL	(0°-30°)	866.3	2.3	B2/1000		
BM	(30°-60°)	1316.7	3.5	B2/2500		
BH	(60°-80°)	258.7	0.7	B1/500		G1/500
BVH	(80°-90°)	4.8	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-G5
 Type IV Short





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CATALOG NUMBER: GLAN-SA7C-735-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	5854.7	5854.7	5854.7	5854.7	5854.7	5854.7	5854.7	5854.7	5854.7	5854.7	5854.7
2.5°	6764.9	6742.3	6712.0	6676.7	6575.8	6558.2	6497.7	6369.1	6215.3	6089.2	5915.2
5°	7085.2	7097.8	7075.1	7012.0	6938.9	6896.1	6820.4	6621.2	6422.0	6167.4	5882.5
7.5°	7158.3	7183.5	7155.8	7095.3	7024.7	6979.3	6918.8	6747.3	6515.3	6225.4	5834.5
10°	7150.7	7181.0	7163.3	7107.9	7049.9	7007.0	6941.4	6805.3	6618.7	6313.6	5849.7
12.5°	7138.1	7178.5	7175.9	7148.2	7100.3	7067.5	7027.2	6906.1	6732.2	6442.2	5932.9
15°	7102.8	7153.2	7198.6	7221.3	7223.8	7223.8	7173.4	7044.8	6878.4	6611.1	6041.3
17.5°	7117.9	7175.9	7289.4	7355.0	7400.3	7395.3	7342.4	7203.7	7019.6	6785.1	6154.8
20°	7211.2	7289.4	7448.3	7579.4	7624.8	7609.6	7539.0	7377.7	7168.4	6933.9	6265.7
22.5°	7440.7	7511.3	7710.5	7864.3	7897.1	7856.7	7755.9	7536.5	7347.4	7095.3	6399.3
25°	7783.6	7866.8	8050.9	8166.9	8166.9	8144.2	8003.0	7745.8	7549.1	7319.7	6573.3
27.5°	8199.6	8270.2	8451.8	8555.2	8494.6	8429.1	8287.9	7977.7	7788.6	7602.1	6782.6
30°	8620.7	8666.1	8857.7	8903.1	8840.1	8756.9	8605.6	8295.4	8129.0	7985.3	7085.2
32.5°	9019.1	9117.4	9276.3	9266.2	9180.5	9140.1	9001.4	8671.1	8577.8	8562.7	7508.8
35°	9417.5	9493.1	9634.3	9669.6	9594.0	9586.4	9485.6	9241.0	9243.5	9341.8	8169.4
37.5°	9760.4	9828.5	9994.9	10073.0	10088.2	10126.0	10085.6	9924.3	10153.7	10423.5	9044.3
40°	10047.8	10143.6	10355.4	10491.6	10647.9	10786.6	10794.2	10829.5	11290.9	11754.8	10186.5
42.5°	10272.2	10405.9	10713.5	10965.6	11323.7	11500.2	11641.4	11835.5	12612.1	13305.5	11532.9
45°	10564.7	10718.5	11101.8	11497.6	12057.4	12347.4	12544.0	13063.4	14165.3	15110.8	12914.7
47.5°	11048.8	11129.5	11520.3	12097.7	12834.0	13247.5	13630.8	14417.4	15831.9	16679.1	14064.4
50°	11671.6	11724.6	12019.6	12821.4	13774.5	14319.1	15017.5	15942.9	17561.6	17980.2	14715.0
52.5°	12360.0	12377.6	12599.5	13618.1	14828.4	15514.2	16295.9	17438.1	18971.1	18908.1	15146.1
55°	13159.3	13134.0	13323.1	14483.0	16076.5	16860.7	17770.9	18968.6	20194.0	19566.2	15393.2
57.5°	14074.5	14006.4	14190.5	15630.2	17675.1	18613.1	19538.4	20289.8	21142.0	20118.3	15511.7
60°	15032.7	14896.5	15115.9	16918.7	19558.6	20448.7	21217.7	21419.4	22140.5	20557.1	15307.5
62.5°	15796.6	15799.2	16207.6	18290.3	21495.0	22274.2	22682.6	22864.2	23000.3	20461.3	14233.4
65°	16989.3	17029.6	17682.7	20194.0	23736.6	24412.3	24692.2	24102.2	23038.1	19271.2	12619.7
67.5°	18219.7	18348.3	19543.5	22816.3	26326.1	26870.7	26510.1	24341.7	22009.4	16555.6	9568.8
70°	18620.6	18832.4	20801.7	24621.6	27879.3	28161.7	26941.3	23224.7	18398.7	11069.0	4815.9
72.5°	17062.4	17405.3	20078.0	23963.5	26888.3	26643.8	24104.7	19477.9	11696.8	4203.2	1470.0
75°	12032.2	12183.5	16686.7	19878.8	21626.2	20932.8	18335.7	12556.6	4810.9	1180.0	504.3
77.5°	6212.8	6139.6	9924.3	13189.5	15423.5	14704.9	12007.0	6500.2	1823.0	491.7	312.7
80°	3212.3	3265.2	4294.0	6911.2	9415.0	8663.6	6401.9	3013.1	970.7	272.3	239.5
82.5°	1800.3	1689.3	2468.5	3018.1	4402.4	3451.8	2455.9	2133.1	423.6	163.9	226.9
85°	327.8	342.9	1354.0	1631.4	1528.0	970.7	791.7	1424.6	123.5	90.8	158.8
87.5°	5.0	5.0	262.2	469.0	297.5	136.2	249.6	204.2	25.2	35.3	27.7
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°	5854.7	5854.7	5854.7	5854.7	5854.7	5854.7	5854.7	5854.7	5854.7	5854.7	5854.7
2.5°	5827.0	5731.2	5552.1	5375.7	5151.2	4967.2	4843.6	4715.0	4583.9	4594.0	4624.3
5°	5726.1	5559.7	5206.7	4833.5	4475.5	4152.8	3835.1	3550.1	3434.2	3328.3	3333.3
7.5°	5625.3	5390.8	4873.9	4288.9	3746.8	3197.2	2798.8	2471.0	2297.0	2165.9	2128.1
10°	5579.9	5269.8	4568.8	3764.5	2995.4	2395.3	1883.5	1616.2	1409.5	1343.9	1361.6
12.5°	5600.1	5209.2	4294.0	3290.4	2375.2	1669.2	1311.1	1175.0	1129.6	1122.0	1117.0
15°	5637.9	5166.4	4024.2	2766.0	1744.8	1240.5	1101.9	1076.6	1071.6	1066.6	1069.1
17.5°	5688.3	5128.6	3736.7	2274.3	1338.9	1084.2	1043.9	1031.3	1028.7	1028.7	1028.7
20°	5738.7	5085.7	3416.5	1835.6	1117.0	1023.7	998.5	990.9	988.4	988.4	985.9
22.5°	5796.7	5047.9	3091.3	1442.2	1028.7	980.8	958.1	953.1	950.6	948.1	948.1
25°	5879.9	5000.0	2745.8	1180.0	973.3	940.5	917.8	912.8	910.2	900.1	902.7
27.5°	5990.9	4964.7	2390.3	1018.7	922.8	890.1	874.9	867.4	862.3	854.8	857.3
30°	6142.2	4934.4	2012.1	930.4	864.8	837.1	822.0	816.9	811.9	804.3	804.3
32.5°	6404.4	4947.0	1613.7	859.8	811.9	779.1	764.0	758.9	753.9	746.3	746.3
35°	6797.7	5020.1	1291.0	799.3	748.9	716.1	701.0	701.0	693.4	683.3	680.8
37.5°	7440.7	5206.7	1036.3	741.3	688.3	658.1	640.4	635.4	627.8	612.7	610.2
40°	8199.6	5496.7	872.4	683.3	632.9	602.6	587.5	572.4	552.2	537.1	534.5
42.5°	9152.7	5794.2	756.4	625.3	579.9	552.2	534.5	509.3	479.1	458.9	456.4
45°	10146.2	6066.5	678.3	572.4	529.5	506.8	486.6	446.3	408.5	383.3	380.7
47.5°	10887.5	6116.9	615.2	521.9	486.6	463.9	436.2	385.8	335.3	312.7	305.1
50°	11237.9	5872.4	549.7	471.5	443.8	418.6	383.3	325.3	269.8	242.1	237.0
52.5°	11361.5	5448.8	496.7	426.1	400.9	370.6	327.8	262.2	211.8	184.1	181.5
55°	11311.1	4914.2	448.8	383.3	350.5	315.2	272.3	209.3	156.3	133.6	128.6
57.5°	11046.3	4233.5	400.9	340.4	300.0	264.7	216.8	156.3	105.9	85.7	83.2
60°	10332.7	3305.6	353.0	292.5	254.7	216.8	171.5	110.9	65.6	47.9	47.9
62.5°	9127.5	2453.3	307.6	244.6	214.3	174.0	121.0	70.6	35.3	25.2	22.7
65°	7627.3	1810.4	257.2	206.8	179.0	136.2	85.7	42.9	17.6	7.6	5.0
67.5°	5322.7	1117.0	214.3	168.9	146.2	98.3	52.9	17.6	7.6	0.0	0.0
70°	2418.0	532.0	163.9	128.6	110.9	70.6	27.7	10.1	5.0	0.0	0.0
72.5°	751.4	279.9	116.0	93.3	75.6	45.4	15.1	7.6	5.0	0.0	0.0
75°	348.0	179.0	73.1	50.4	42.9	22.7	10.1	5.0	2.5	0.0	0.0
77.5°	259.7	138.7	42.9	27.7	22.7	15.1	7.6	5.0	2.5	0.0	0.0
80°	226.9	70.6	25.2	17.6	12.6	10.1	5.0	2.5	0.0	0.0	0.0
82.5°	204.2	35.3	15.1	10.1	7.6	5.0	2.5	2.5	0.0	0.0	0.0
85°	110.9	20.2	10.1	7.6	5.0	2.5	2.5	0.0	0.0	0.0	0.0
87.5°	20.2	10.1	7.6	5.0	5.0	2.5	2.5	2.5	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)