

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: P454837

Luminaire Tested: **GLAN-SA6A-727-U-SL2**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6A-727-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22638 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

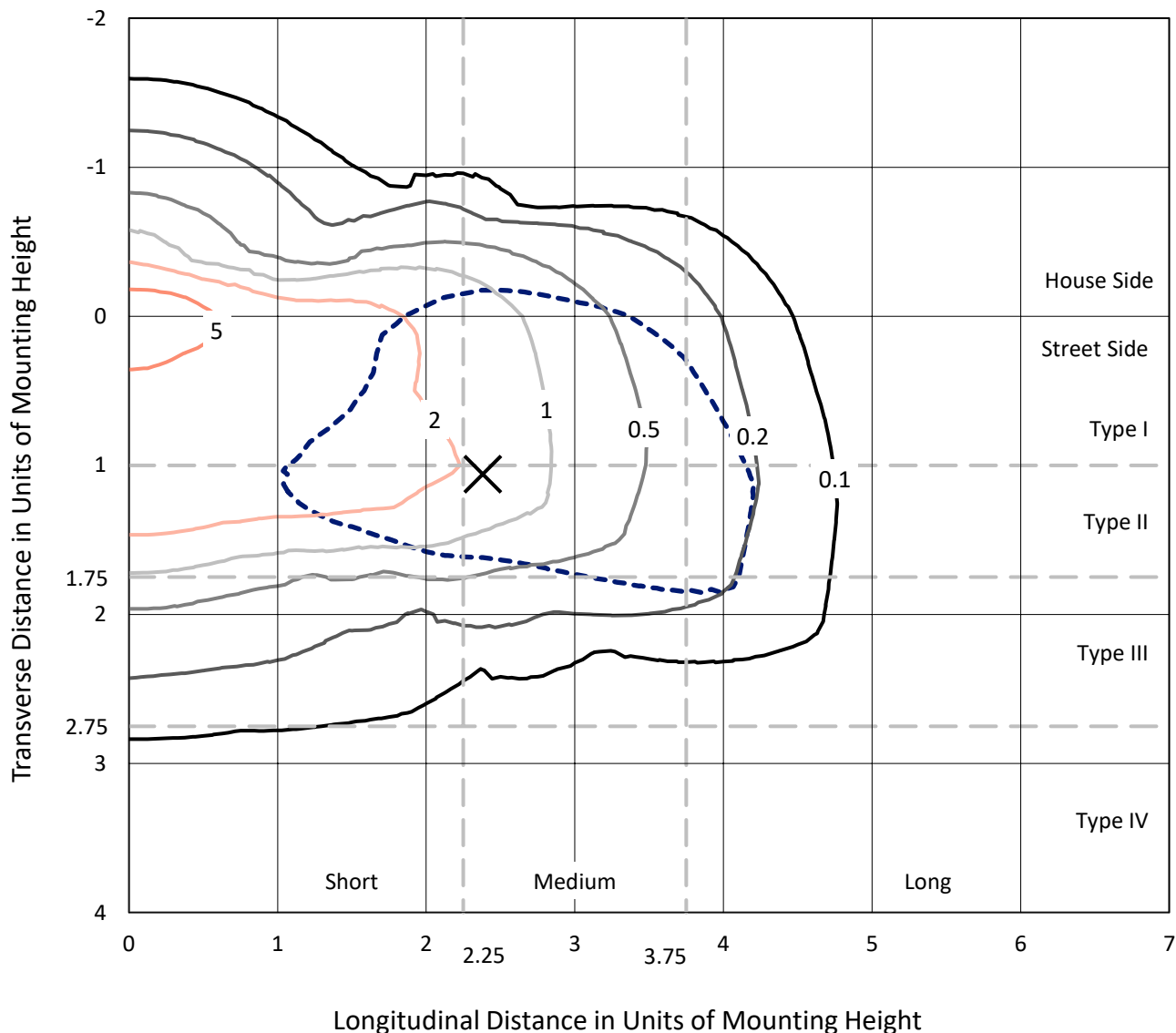
Input Watts (W): 182
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P454837
 CATALOG NUMBER: GLAN-SA6A-727-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

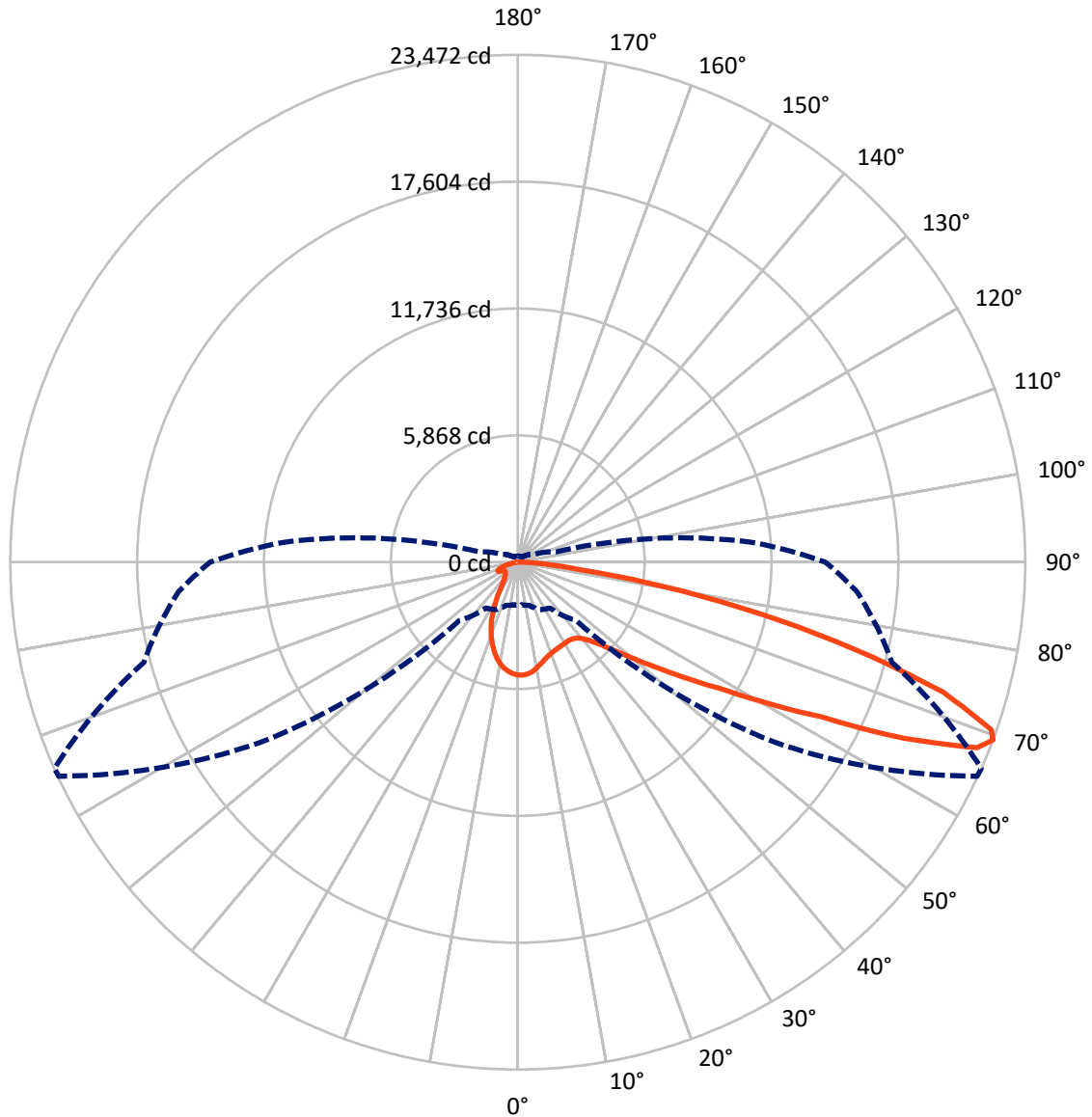
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P454837
CATALOG NUMBER: GLAN-SA6A-727-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P454837

CATALOG NUMBER: GLAN-SA6A-727-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4257.4	0.0	4257.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	18380.6	0.0	18380.6
	% Fixture	81.2	0.0	81.2
Total	Lumens	22638.0	0.0	22638.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.0	2.0
10°-20°	1076.8	4.8
20°-30°	1465.9	6.5
30°-40°	1969.9	8.7
40°-50°	2941.3	13.0
50°-60°	4678.6	20.7
60°-70°	5754.5	25.4
70°-80°	3744.1	16.5
80°-90°	552.9	2.4
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°	22638.0	100.0
0°-180°	22638.0	100.0

Coefficient of Utilization



REPORT NUMBER: P454837

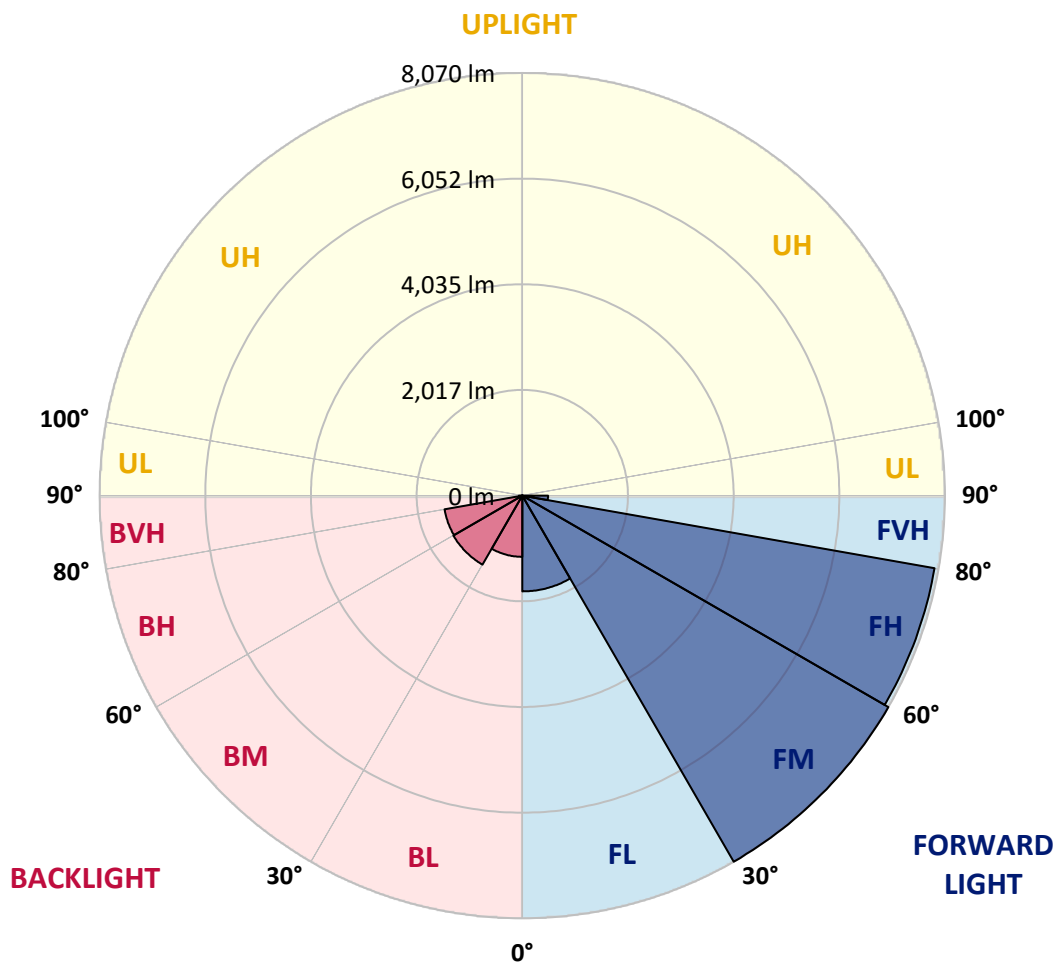
CATALOG NUMBER: GLAN-SA6A-727-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1828.0	8.1			
FM	(30°-60°)	8069.8	35.6			
FH	(60°-80°)	7991.3	35.3			G4/12000
FVH	(80°-90°)	491.6	2.2			G3/500
BL	(0°-30°)	1168.7	5.2	B3/2500		
BM	(30°-60°)	1520.1	6.7	B2/2500		
BH	(60°-80°)	1507.3	6.7	B3/2500		G3/2500
BVH	(80°-90°)	61.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





REPORT NUMBER: P454837

CATALOG NUMBER: GLAN-SA6A-727-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5227.7	5227.7	5227.7	5227.7	5227.7	5227.7	5227.7	5227.7	5227.7	5227.7	5227.7
2.5°	5044.7	5064.8	5087.3	5112.4	5160.0	5186.4	5205.2	5226.5	5229.0	5240.3	5231.5
5°	4672.4	4696.2	4730.0	4777.7	4849.1	4960.7	5076.1	5170.1	5181.4	5234.0	5249.1
7.5°	4361.5	4375.3	4402.8	4479.3	4580.9	4705.0	4873.0	5063.5	5091.1	5216.5	5260.3
10°	4108.2	4122.0	4154.6	4233.6	4333.9	4489.3	4673.6	4924.4	4946.9	5162.6	5262.8
12.5°	3918.9	3931.5	3966.6	4044.3	4159.6	4305.1	4508.1	4773.9	4806.5	5091.1	5239.0
15°	3774.8	3798.6	3827.4	3891.3	4013.0	4153.4	4350.2	4636.0	4662.3	5015.9	5222.7
17.5°	3713.3	3724.6	3744.7	3803.6	3892.6	4030.5	4228.6	4528.2	4559.5	4963.2	5219.0
20°	3715.8	3727.1	3730.9	3763.5	3827.4	3946.5	4142.1	4443.0	4480.6	4916.8	5225.2
22.5°	3801.1	3802.3	3788.5	3777.3	3802.3	3901.4	4080.6	4379.0	4422.9	4896.8	5230.3
25°	3932.7	3955.3	3935.2	3882.6	3836.2	3883.8	4056.8	4343.9	4385.3	4867.9	5224.0
27.5°	4145.8	4149.6	4133.3	4061.8	3941.5	3906.4	4046.8	4317.6	4352.7	4846.6	5192.6
30°	4431.7	4420.4	4405.3	4326.4	4137.1	3992.9	4068.1	4293.8	4330.1	4815.3	5155.0
32.5°	4721.3	4756.4	4742.6	4649.8	4404.1	4160.9	4137.1	4291.3	4321.4	4791.5	5113.7
35°	5028.4	5044.7	5109.9	5062.3	4810.3	4432.9	4266.2	4330.1	4353.9	4792.7	5084.8
37.5°	5269.1	5313.0	5465.9	5507.3	5270.4	4792.7	4475.5	4440.4	4450.5	4854.2	5096.1
40°	5560.0	5635.2	5832.0	6001.2	5845.8	5260.3	4831.6	4644.8	4657.3	5002.1	5170.1
42.5°	5928.5	5981.2	6245.7	6475.1	6450.1	5878.4	5262.8	4979.5	4985.8	5296.7	5376.9
45°	6359.8	6435.0	6732.1	7076.9	7135.8	6577.9	5885.9	5486.0	5482.2	5754.3	5763.1
47.5°	6911.4	6957.8	7252.4	7628.5	7866.7	7456.7	6641.9	6213.1	6173.0	6421.2	6349.8
50°	7419.1	7491.8	7715.0	8126.2	8719.2	8486.0	7636.0	7155.9	7061.8	7293.8	7173.4
52.5°	7632.3	7708.7	7896.8	8407.0	9450.1	9817.4	8898.4	8280.4	8123.7	8301.7	8257.8
55°	7262.4	7361.5	7537.0	8157.5	9771.0	11353.1	10600.9	9580.4	9466.4	9389.9	9402.4
57.5°	6268.3	6362.3	6599.2	7283.7	9387.4	12467.6	13031.7	11251.6	11007.1	10654.8	10715.0
60°	4771.4	4830.3	4953.2	5711.7	8250.3	12757.2	15792.3	13364.0	13208.5	11914.7	11957.4
62.5°	3388.6	3455.1	3540.3	3918.9	6040.1	11941.1	17953.6	16313.8	15758.4	13219.8	13178.4
65°	2751.8	2706.6	2809.4	2986.2	3544.1	9254.5	18440.0	20408.3	19643.5	14938.6	14364.4
67.5°	2262.8	2215.2	2316.8	2631.4	2695.4	5371.9	16687.4	23066.0	22913.1	16807.8	15569.1
69°	2003.3	1978.3	2067.3	2425.8	2587.5	3814.9	14537.4	23435.8	23472.2	17909.7	15754.7
70°	1805.3	1815.3	1901.8	2321.8	2538.7	3145.4	12425.0	22925.6	23234.0	18460.1	15554.1
72.5°	1328.9	1350.2	1470.5	1923.1	2492.3	2669.0	7394.1	20024.6	20570.0	18492.7	14229.0
75°	929.0	918.9	1025.5	1448.0	2354.4	2645.2	4342.7	15486.4	16104.5	15984.1	11956.1
77.5°	608.0	624.3	709.6	1023.0	1980.8	2625.2	2830.8	10987.0	11388.2	10689.9	7071.9
80°	428.8	427.5	475.1	698.3	1469.3	2522.4	2318.0	6925.2	6823.6	4201.0	2097.4
82.5°	245.7	263.3	318.4	491.4	982.9	2220.2	2132.5	3312.2	3023.8	1197.2	708.3
85°	136.6	142.9	189.3	297.1	574.2	1672.4	1861.7	1506.9	1421.6	500.2	304.6
87.5°	43.9	47.6	79.0	150.4	260.8	789.8	1054.3	695.8	641.9	180.5	122.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P454837

CATALOG NUMBER: GLAN-SA6A-727-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5227.7	5227.7	5227.7	5227.7	5227.7	5227.7	5227.7	5227.7	5227.7	5227.7	5227.7
2.5°	5235.3	5250.3	5210.2	5171.3	5136.2	5087.3	5043.5	5007.1	4982.0	4978.3	4965.7
5°	5252.8	5254.1	5177.6	5074.8	4974.5	4864.2	4750.1	4668.6	4592.1	4549.5	4528.2
7.5°	5265.4	5254.1	5116.2	4949.4	4756.4	4555.8	4355.2	4194.7	4070.6	4021.7	4040.5
10°	5260.3	5225.2	5023.4	4756.4	4475.5	4175.9	3887.6	3661.9	3455.1	3348.5	3351.0
12.5°	5232.8	5175.1	4885.5	4539.5	4127.0	3725.9	3284.6	2979.9	2740.5	2598.8	2554.9
15°	5208.9	5108.6	4723.8	4244.9	3732.1	3159.2	2621.4	2245.3	2044.7	1933.1	1931.9
17.5°	5183.9	5044.7	4547.0	3932.7	3278.3	2541.2	1977.0	1689.9	1595.9	1607.2	1588.4
20°	5157.5	4969.5	4362.7	3585.5	2725.4	1895.5	1480.6	1364.0	1390.3	1441.7	1449.2
22.5°	5127.5	4889.3	4164.6	3203.1	2143.8	1426.7	1201.0	1183.5	1251.1	1331.4	1342.7
25°	5081.1	4789.0	3915.2	2803.2	1653.6	1149.6	1051.8	1064.4	1130.8	1198.5	1206.0
27.5°	5015.9	4664.9	3663.2	2304.2	1242.4	986.6	961.6	977.9	1010.4	1051.8	1061.8
30°	4928.1	4524.4	3373.6	1873.0	995.4	905.1	895.1	903.9	922.7	940.2	945.3
32.5°	4840.4	4389.0	3081.5	1434.2	887.6	851.2	841.2	841.2	841.2	843.7	845.0
35°	4758.9	4261.2	2768.1	1117.0	831.2	808.6	794.8	779.8	777.3	768.5	768.5
37.5°	4713.7	4144.6	2434.6	935.2	789.8	773.5	754.7	729.6	715.8	717.1	714.6
40°	4722.5	4068.1	2131.2	832.4	756.0	738.4	709.6	680.7	672.0	672.0	669.5
42.5°	4821.6	4043.0	1840.4	778.5	723.4	703.3	666.9	640.6	635.6	634.3	636.9
45°	5049.7	4104.5	1579.6	743.4	695.8	665.7	629.3	605.5	600.5	600.5	599.2
47.5°	5494.8	4303.8	1392.8	720.9	675.7	636.9	599.2	575.4	566.7	564.1	564.1
50°	6186.8	4736.3	1253.7	700.8	650.6	610.5	571.7	544.1	530.3	529.0	527.8
52.5°	7148.3	5410.8	1199.7	685.7	623.1	582.9	540.3	514.0	496.4	492.7	490.2
55°	8272.9	6352.3	1273.7	674.5	594.2	551.6	507.7	480.2	463.9	456.3	455.1
57.5°	9575.4	7483.1	1554.5	659.4	567.9	517.8	475.1	447.6	430.0	421.2	418.7
60°	10745.1	8645.2	2044.7	650.6	545.3	481.4	437.5	412.5	396.2	387.4	386.1
62.5°	12030.1	9753.4	2630.2	674.5	535.3	446.3	402.4	379.9	366.1	357.3	357.3
65°	13402.8	10862.9	3017.5	754.7	550.4	418.7	364.8	346.0	333.5	327.2	326.0
67.5°	14328.0	11246.5	2486.0	837.4	588.0	388.6	328.5	313.4	305.9	299.6	299.6
69°	14227.7	10761.4	1834.1	858.8	599.2	373.6	308.4	297.1	287.1	284.6	282.1
70°	13910.6	10208.5	1537.0	845.0	590.5	359.8	295.9	282.1	273.3	270.8	269.5
72.5°	12389.9	8853.3	1144.6	734.6	502.7	312.2	262.0	249.5	242.0	238.2	238.2
75°	10293.8	7236.1	893.9	584.2	393.6	263.3	224.4	214.4	208.1	205.6	204.3
77.5°	5769.3	4040.5	641.9	457.6	298.4	213.1	188.0	179.3	173.0	170.5	170.5
80°	1607.2	1154.6	377.4	302.1	203.1	161.7	149.2	142.9	134.1	127.9	131.6
82.5°	605.5	500.2	215.6	181.8	129.1	107.8	104.1	99.0	95.3	86.5	86.5
85°	294.6	243.2	137.9	96.5	71.5	56.4	53.9	51.4	48.9	42.6	43.9
87.5°	101.5	107.8	60.2	35.1	21.3	13.8	11.3	6.3	6.3	6.3	6.3
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)