

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: P522812

Luminaire Tested: **GLAN-SA6C-727-U-T4W**

Issue Date: 5/13/2021

Test Information

Test Method: LM-79-08
Report Number: P522812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2011-042-41)
Test Lab: INNOVATION CENTER
Issue Date: 5/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-727-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34891 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

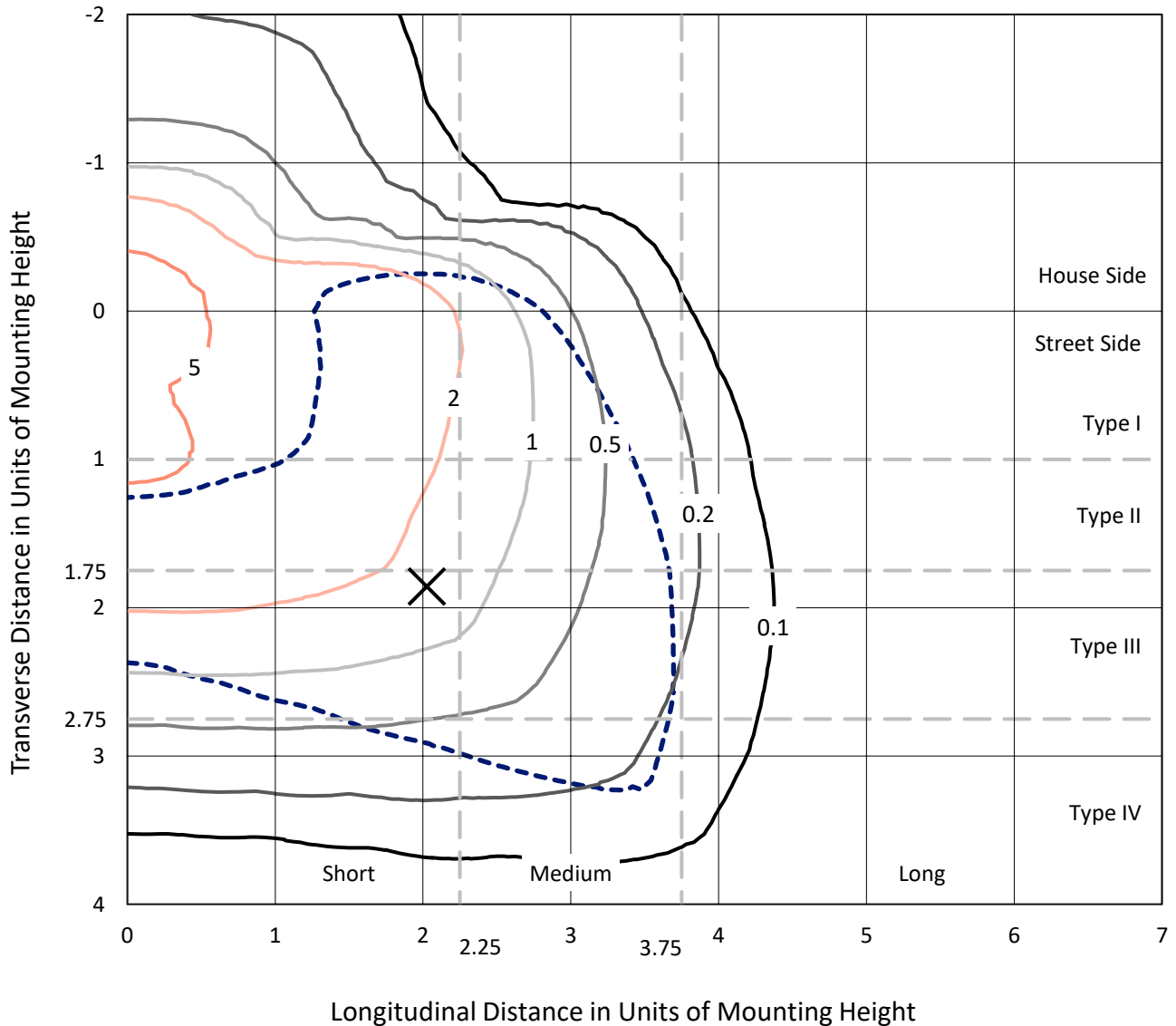
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

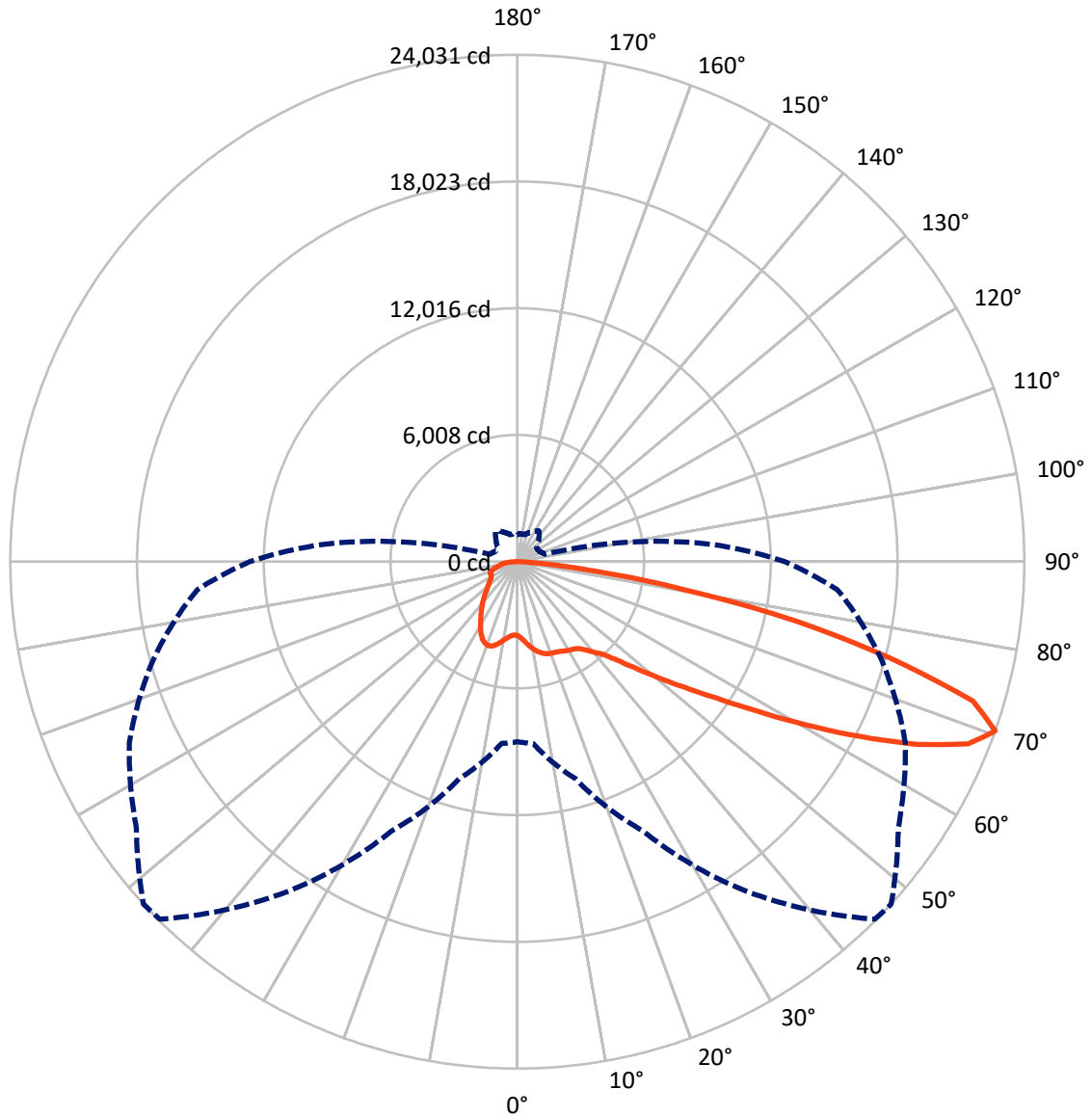
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7900.0	0.0	7900.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	26991.0	0.0	26991.0
	% Fixture	77.4	0.0	77.4
Total	Lumens	34891.0	0.0	34891.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.0	1.0
10°-20°	1207.0	3.5
20°-30°	2007.2	5.8
30°-40°	2845.0	8.2
40°-50°	4199.8	12.0
50°-60°	7274.2	20.8
60°-70°	10275.1	29.4
70°-80°	5906.7	16.9
80°-90°	815.0	2.3
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°	34891.0	100.0
0°-180°	34891.0	100.0

Coefficient of Utilization



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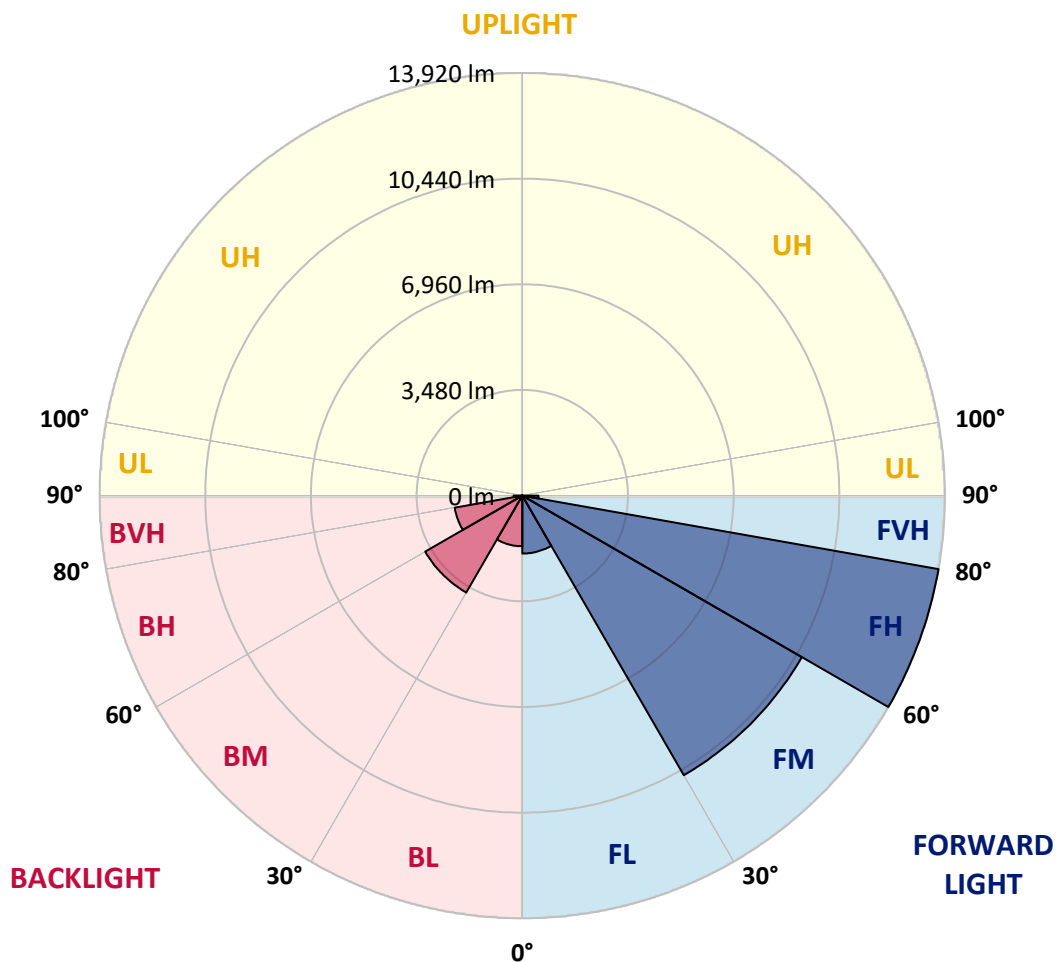
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1908.0	5.5			
FM (30°-60°)	10630.6	30.5			
FH (60°-80°)	13920.0	39.9			G5
FVH (80°-90°)	532.4	1.5			G4/750
BL (0°-30°)	1667.3	4.8	B3/2500		
BM (30°-60°)	3688.4	10.6	B3/5000		
BH (60°-80°)	2261.7	6.5	B3/2500		G3/2500
BVH (80°-90°)	282.6	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6
2.5°	3728.6	3715.5	3713.6	3685.6	3670.7	3642.7	3631.5	3605.3	3573.6	3541.8	3512.0
5°	4021.7	4021.7	4008.6	3969.4	3907.8	3844.3	3816.3	3765.9	3676.3	3603.5	3541.8
7.5°	4322.3	4326.0	4299.9	4242.0	4154.2	4051.6	4025.4	3950.7	3823.8	3717.4	3625.9
10°	4581.8	4581.8	4546.3	4467.9	4357.8	4245.7	4219.6	4135.6	3993.7	3861.1	3741.6
12.5°	4779.7	4779.7	4733.0	4630.4	4510.9	4410.0	4380.2	4299.9	4167.3	4019.8	3868.6
15°	4908.5	4899.2	4846.9	4731.2	4615.4	4527.7	4507.1	4439.9	4318.5	4169.2	3999.3
17.5°	4914.1	4910.4	4860.0	4762.9	4662.1	4602.3	4589.3	4544.5	4449.2	4307.3	4128.1
20°	4805.9	4813.3	4779.7	4710.6	4662.1	4636.0	4630.4	4615.4	4548.2	4415.6	4236.4
22.5°	4690.1	4703.2	4671.4	4634.1	4630.4	4656.5	4660.2	4664.0	4621.0	4492.2	4327.9
25°	4662.1	4671.4	4639.7	4606.1	4626.6	4695.7	4710.6	4725.6	4692.0	4583.7	4436.2
27.5°	4804.0	4796.5	4734.9	4662.1	4675.2	4768.5	4789.1	4805.9	4789.1	4695.7	4570.6
30°	5205.4	5181.1	5057.9	4845.1	4777.9	4843.2	4863.7	4910.4	4910.4	4841.3	4716.2
32.5°	5877.6	5830.9	5605.0	5186.7	4953.4	4914.1	4934.7	5011.2	5050.4	4996.3	4860.0
35°	6693.5	6644.9	6321.9	5759.9	5274.5	5056.0	5050.4	5136.3	5240.9	5119.5	4942.2
37.5°	7513.1	7462.7	7074.4	6443.3	5743.1	5354.8	5321.2	5351.0	5395.9	5173.7	5056.0
40°	8332.8	8273.0	7933.2	7206.9	6316.3	5750.6	5662.8	5528.4	5509.7	5351.0	5276.4
42.5°	9144.9	9090.8	8919.0	8063.9	7003.4	6137.1	6002.7	5771.1	5842.1	5746.9	5681.5
45°	9964.6	9968.3	9785.4	9025.5	7832.4	6850.3	6669.2	6307.0	6475.0	6439.5	6476.9
47.5°	10690.9	10681.5	10616.2	9959.0	8861.1	7768.9	7535.5	7115.4	7403.0	7533.7	7819.3
50°	11394.8	11389.2	11392.9	11017.6	10056.1	8861.1	8603.5	8162.9	8810.7	9264.4	9776.0
52.5°	12403.0	12434.7	12208.8	12109.9	11508.7	10151.3	9867.5	9411.9	10474.3	11189.4	12188.3
55°	13414.9	13388.8	13211.4	13314.1	13028.5	11678.6	11381.7	11019.5	12326.4	13108.7	14609.9
57.5°	14010.5	14019.9	14201.0	14703.2	14904.9	13583.0	13314.1	13034.1	14408.2	14962.8	16764.5
60°	14546.4	14589.3	15110.3	16058.7	16605.8	15922.4	15683.4	15410.9	16318.3	16538.6	18635.3
62.5°	14714.4	14847.0	15756.3	17175.2	18263.7	18562.5	18265.6	17664.4	18136.8	18050.9	19903.0
65°	13876.1	14057.2	15687.2	17593.5	19744.3	21068.1	20879.5	19763.0	19686.5	19169.3	20110.3
67.5°	11669.2	11850.3	13943.3	16715.9	20356.7	23237.6	23049.1	21294.0	20627.5	19273.8	18541.9
70°	8538.1	8652.0	10653.5	14074.0	19126.3	23965.8	24031.1	22040.8	20291.4	17853.0	15224.1
72.5°	4919.7	5171.8	6574.0	9901.1	15625.6	22124.9	22578.6	20487.4	18166.7	14893.7	10644.2
75°	2115.4	2121.0	3039.6	5461.2	10582.6	17783.9	18222.7	16982.9	14266.3	10298.8	5683.4
77.5°	1006.4	1025.0	1336.8	2438.4	5825.3	12287.2	13471.0	11997.8	9124.4	4947.8	2147.1
80°	653.5	666.5	817.8	1209.9	2856.6	7124.8	7950.0	6921.3	4025.4	1768.1	926.1
82.5°	395.8	399.6	547.1	739.4	1572.1	3226.3	3803.2	3004.1	1717.7	1058.6	545.2
85°	240.9	242.7	332.3	457.4	954.1	1114.6	1144.5	1135.2	1008.2	692.7	291.3
87.5°	115.8	119.5	171.8	216.6	375.3	345.4	326.7	379.0	476.1	373.4	125.1
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°	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6	3502.6
2.5°	3498.9	3493.3	3480.2	3474.6	3470.9	3472.8	3470.9	3470.9	3472.8	3472.8	3472.8
5°	3515.7	3506.4	3485.8	3485.8	3497.0	3523.2	3547.4	3566.1	3586.7	3584.8	3584.8
7.5°	3588.5	3571.7	3547.4	3554.9	3582.9	3624.0	3666.9	3708.0	3749.1	3752.8	3751.0
10°	3694.9	3678.1	3652.0	3661.3	3706.1	3767.8	3821.9	3881.7	3926.5	3939.5	3935.8
12.5°	3816.3	3782.7	3760.3	3786.4	3857.4	3939.5	3991.8	4036.6	4068.4	4087.0	4079.6
15°	3939.5	3907.8	3881.7	3935.8	4021.7	4098.2	4124.4	4131.8	4137.4	4156.1	4152.4
17.5°	4059.0	4016.1	4006.7	4077.7	4159.8	4193.5	4178.5	4146.8	4122.5	4137.4	4135.6
20°	4165.4	4131.8	4128.1	4199.1	4230.8	4199.1	4135.6	4079.6	4036.6	4040.4	4038.5
22.5°	4266.3	4240.1	4243.9	4273.7	4223.3	4115.0	4010.5	3933.9	3887.3	3896.6	3902.2
25°	4378.3	4352.2	4361.5	4312.9	4146.8	3958.2	3807.0	3741.6	3723.0	3741.6	3754.7
27.5°	4523.9	4507.1	4501.5	4314.8	4010.5	3726.7	3554.9	3530.6	3547.4	3588.5	3609.1
30°	4680.8	4680.8	4650.9	4283.1	3823.8	3448.5	3299.1	3302.9	3360.7	3418.6	3439.2
32.5°	4832.0	4863.7	4770.4	4197.2	3582.9	3177.8	3063.9	3067.6	3118.0	3189.0	3207.6
35°	4957.1	5048.6	4873.1	4040.4	3299.1	2950.0	2864.1	2813.7	2815.6	2869.7	2884.6
37.5°	5128.9	5298.8	4932.8	3807.0	2996.7	2755.8	2658.7	2571.0	2513.1	2490.7	2490.7
40°	5427.6	5677.8	4947.8	3461.6	2711.0	2571.0	2432.8	2328.2	2216.2	2115.4	2096.7
42.5°	5933.6	6249.1	4917.9	3063.9	2453.3	2367.5	2233.0	2104.2	1949.2	1807.3	1796.1
45°	6829.8	6992.2	4837.6	2651.2	2223.7	2171.4	2040.7	1900.7	1736.4	1609.4	1600.1
47.5°	8265.6	8035.9	4731.2	2285.3	2014.6	1999.6	1898.8	1736.4	1572.1	1484.3	1475.0
50°	10362.3	9678.9	4716.2	2020.2	1846.5	1854.0	1771.9	1622.5	1478.7	1405.9	1394.7
52.5°	12886.6	11663.6	4815.2	1833.5	1699.0	1727.0	1686.0	1547.8	1420.8	1359.2	1348.0
55°	15336.2	13448.6	4874.9	1687.8	1560.9	1613.2	1618.8	1503.0	1387.2	1325.6	1318.2
57.5°	17324.6	14792.9	4609.8	1555.3	1441.4	1521.7	1562.7	1476.9	1370.4	1323.8	1316.3
60°	18708.1	15427.7	3855.5	1437.6	1353.6	1448.9	1542.2	1478.7	1411.5	1417.1	1420.8
62.5°	19148.7	15145.7	2892.1	1349.9	1293.9	1424.6	1575.8	1555.3	1486.2	1529.1	1536.6
65°	18418.7	13980.7	2096.7	1280.8	1241.6	1441.4	1676.6	1611.3	1460.1	1491.8	1491.8
67.5°	15974.7	12044.5	1631.8	1217.3	1181.9	1473.1	1777.5	1605.7	1398.4	1435.8	1402.2
70°	12671.9	9316.7	1359.2	1146.4	1118.4	1426.4	1786.8	1547.8	1325.6	1333.1	1269.6
72.5°	8409.3	6125.9	1168.8	1079.2	1021.3	1282.7	1710.2	1473.1	1254.7	1211.7	1148.3
75°	4120.6	3054.5	1019.4	995.2	894.3	1116.5	1605.7	1402.2	1178.1	1110.9	1075.4
77.5°	1596.4	1299.5	870.1	888.7	778.6	983.9	1467.5	1301.4	1077.3	985.8	957.8
80°	774.8	737.5	713.2	741.2	640.4	838.3	1340.6	1213.6	983.9	883.1	842.1
82.5°	481.7	455.6	547.1	576.9	492.9	765.5	1271.5	1138.9	866.3	731.9	698.3
85°	244.6	261.4	365.9	394.0	352.9	608.7	1047.4	855.1	625.5	519.0	522.8
87.5°	93.4	125.1	192.3	207.2	188.6	321.1	576.9	498.5	401.4	272.6	252.1
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)