

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: P453491

Luminaire Tested: **GLAN-SA4C-730-U-T3R**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P453491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4C-730-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25920 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 213
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

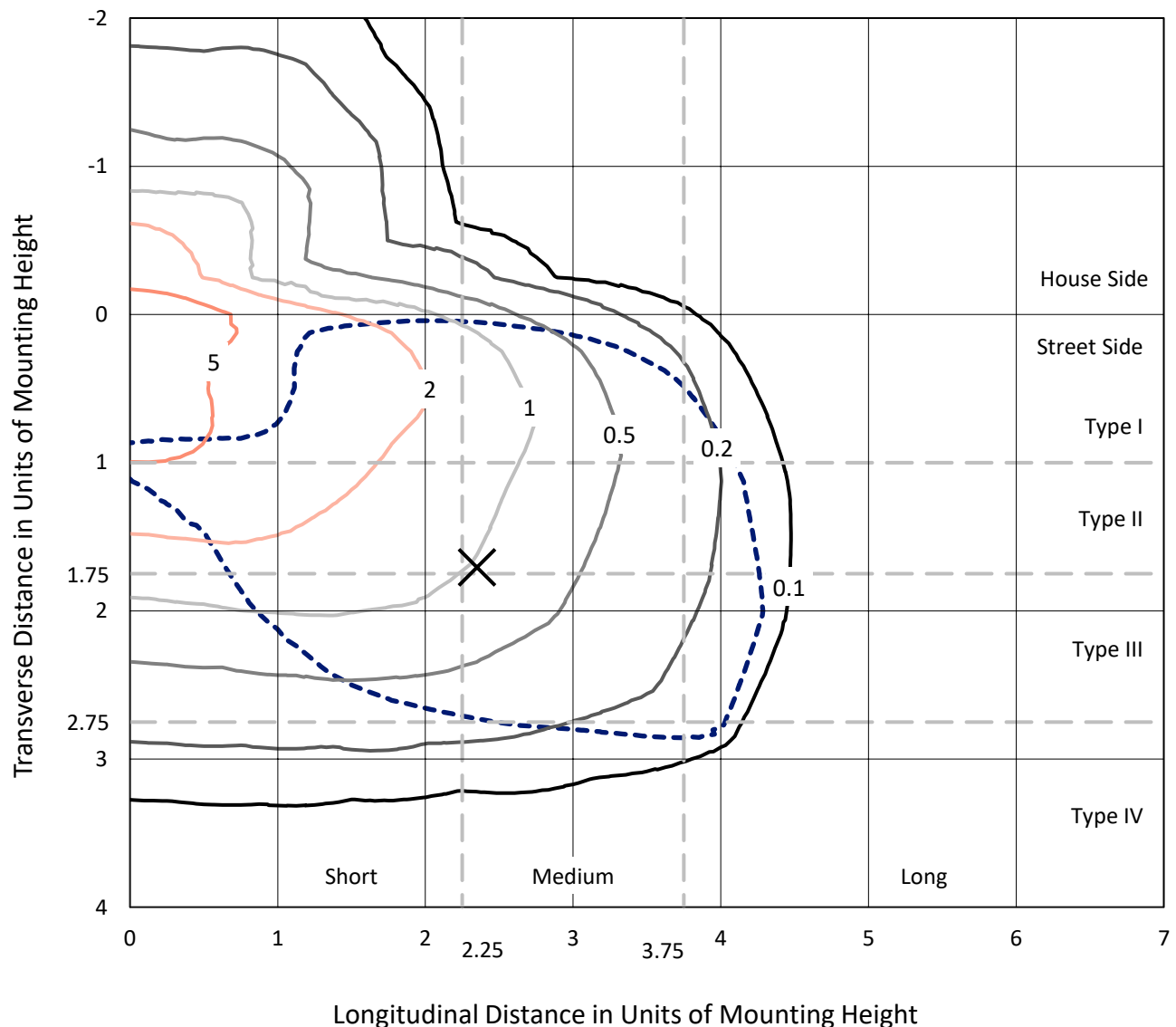


REPORT NUMBER: P453491

CATALOG NUMBER: GLAN-SA4C-730-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

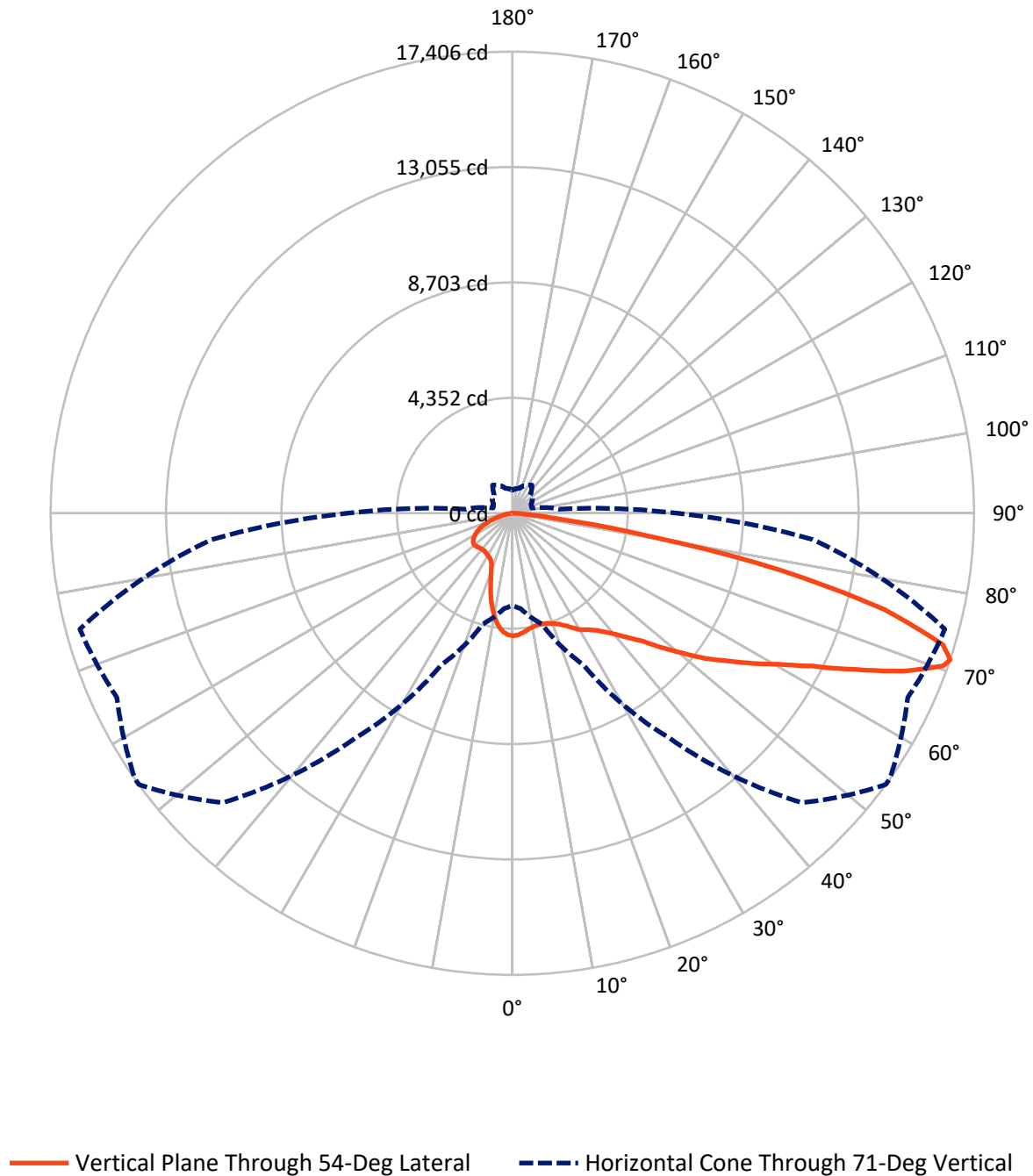


Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P453491

CATALOG NUMBER: GLAN-SA4C-730-U-T3R

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4679.7	0.0	4679.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	21240.3	0.0	21240.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	25920.0	0.0	25920.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.1	1.6
10°-20°	1088.2	4.2
20°-30°	1811.9	7.0
30°-40°	2679.2	10.3
40°-50°	3773.7	14.6
50°-60°	5053.2	19.5
60°-70°	6369.1	24.6
70°-80°	4350.1	16.8
80°-90°	382.5	1.5
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°	25920.0	100.0
0°-180°	25920.0	100.0

Coefficient of Utilization



REPORT NUMBER: P453491

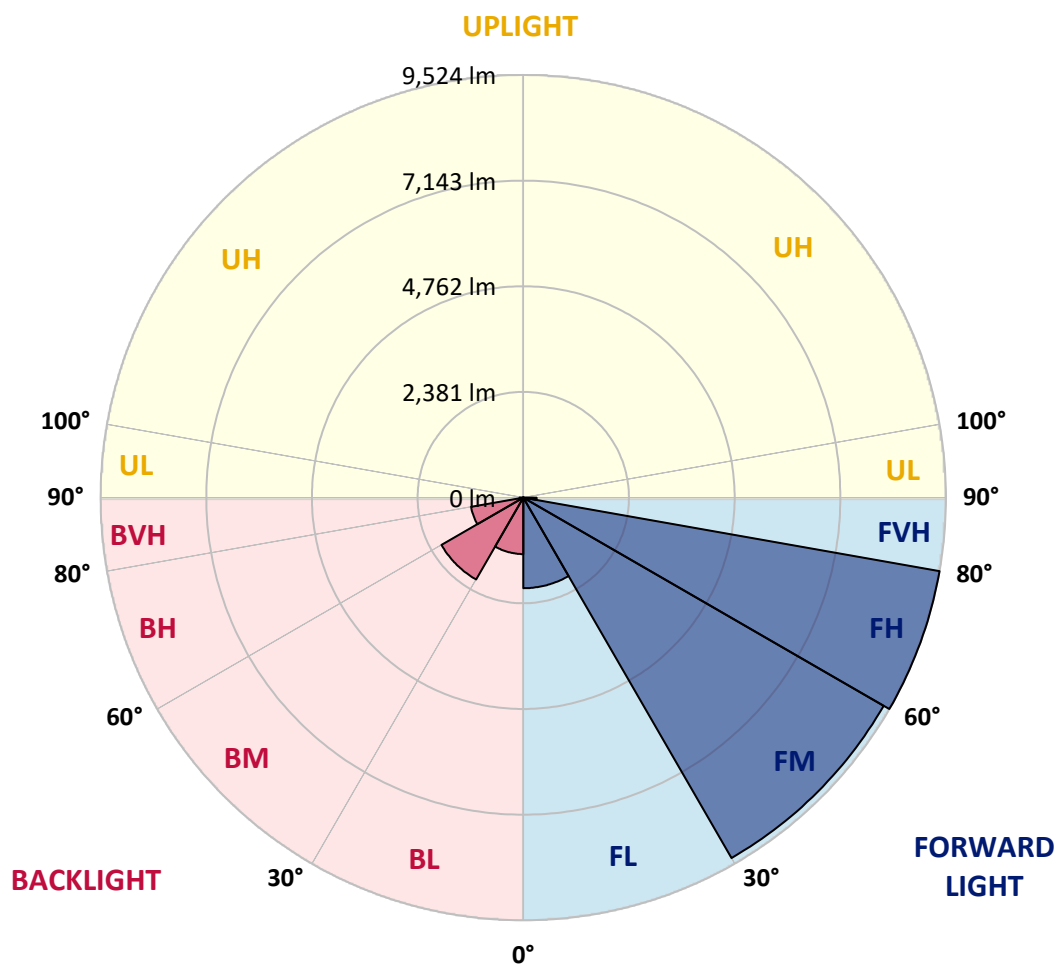
CATALOG NUMBER: GLAN-SA4C-730-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2040.3	7.9			
FM	(30°-60°)	9376.9	36.2			
FH	(60°-80°)	9524.0	36.7			G4/12000
FVH	(80°-90°)	299.0	1.2			G3/500
BL	(0°-30°)	1271.9	4.9	B3/2500		
BM	(30°-60°)	2129.1	8.2	B2/2500		
BH	(60°-80°)	1195.2	4.6	B3/2500		G3/2500
BVH	(80°-90°)	83.5	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 IV Medium





REPORT NUMBER: P453491

CATALOG NUMBER: GLAN-SA4C-730-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4624.5	4624.5	4624.5	4624.5	4624.5	4624.5	4624.5	4624.5	4624.5	4624.5	4624.5
2.5°	4467.7	4488.7	4494.3	4508.3	4537.7	4561.5	4585.3	4582.5	4616.1	4630.1	4642.7
5°	4268.9	4274.5	4295.5	4323.5	4375.3	4441.1	4505.5	4506.9	4589.5	4655.3	4687.5
7.5°	4123.3	4141.5	4155.5	4184.9	4239.5	4310.9	4413.1	4421.5	4568.5	4698.7	4767.3
10°	4028.1	4049.1	4064.5	4100.9	4155.5	4235.3	4345.9	4361.3	4553.1	4767.3	4887.7
12.5°	3941.3	3962.3	3976.3	4023.9	4095.3	4193.3	4317.9	4336.1	4558.7	4847.1	5019.3
15°	3994.5	4011.3	4005.7	4019.7	4067.3	4179.3	4329.1	4347.3	4579.7	4924.1	5149.5
17.5°	4231.1	4245.1	4198.9	4145.7	4123.3	4205.9	4364.1	4383.7	4621.7	5003.9	5282.6
20°	4579.7	4617.5	4516.7	4397.7	4289.9	4301.1	4436.9	4457.9	4680.5	5083.7	5418.4
22.5°	5033.3	5061.3	4938.1	4742.1	4543.3	4441.1	4546.1	4558.7	4768.7	5187.3	5566.8
25°	5566.8	5583.6	5412.8	5160.7	4873.7	4680.5	4695.9	4718.3	4914.3	5305.0	5698.4
27.5°	6084.8	6138.0	5940.6	5632.6	5254.6	4932.5	4901.7	4915.7	5072.5	5370.8	5789.4
30°	6699.5	6695.3	6486.6	6129.6	5645.2	5207.0	5096.3	5093.5	5157.9	5403.0	5855.2
32.5°	7189.5	7246.9	7042.5	6653.2	6091.8	5491.2	5230.8	5225.2	5223.8	5459.0	5953.2
35°	7746.7	7755.1	7567.5	7175.5	6574.8	5848.2	5418.4	5390.4	5358.2	5579.4	6086.2
37.5°	8245.2	8284.4	8112.1	7672.5	7049.5	6219.2	5676.0	5657.8	5559.8	5788.0	6299.0
40°	8634.4	8663.8	8560.2	8141.5	7517.1	6619.6	6003.6	5970.0	5851.0	6129.6	6583.2
42.5°	8761.8	8822.0	8862.6	8656.8	8054.7	7094.3	6406.8	6364.8	6273.8	6647.6	6910.9
45°	8771.6	8866.8	9081.0	9090.8	8595.2	7662.7	6877.3	6847.9	6840.9	7311.3	7371.5
47.5°	8697.4	8794.0	9153.8	9348.4	9076.8	8236.8	7556.3	7510.1	7514.3	8131.7	7888.1
50°	8518.2	8633.0	9069.8	9513.6	9453.4	8833.2	8273.2	8257.8	8344.6	9068.4	8424.4
52.5°	8180.8	8319.4	8983.0	9617.2	9733.5	9347.0	9088.0	9044.6	9264.4	10084.9	9011.0
55°	7246.9	7455.5	8665.2	9674.7	9999.5	9838.5	9821.7	9900.1	10191.3	11193.8	9656.5
57.5°	6759.7	6916.5	7974.9	9684.5	10335.5	10409.7	10678.5	10698.1	11207.8	12371.2	10385.9
60°	6493.6	6632.2	7596.9	9620.0	10804.5	11116.7	11555.0	11625.0	12200.4	13646.7	11142.0
62.5°	6261.2	6380.2	7370.1	9397.4	11333.8	12165.4	12690.5	12724.1	13327.5	15055.2	11888.2
65°	5713.8	5849.6	6913.7	9174.8	11790.2	13475.9	14197.0	14157.8	14527.4	16270.5	12355.8
67.5°	4975.9	5148.1	6061.0	8406.2	12015.6	14908.2	15893.9	15844.9	15711.9	17067.2	12490.2
70°	4033.7	4126.1	4970.3	7077.5	11115.3	15660.1	17233.8	17182.0	16445.5	17172.2	11854.6
71°	3470.8	3615.0	4327.7	6286.4	10366.3	15430.4	17406.0	17392.0	16446.9	16882.3	11375.8
72.5°	2709.2	2797.4	3427.4	4870.9	8810.8	14125.6	16980.3	17033.5	16089.9	16077.3	10388.7
75°	1713.7	1752.9	2150.5	2867.4	4834.5	10003.7	14495.2	14639.4	14286.6	13159.5	7725.7
77.5°	995.5	1045.9	1288.1	1689.9	2088.9	5429.6	10371.9	10528.7	9926.7	7245.5	3162.8
80°	579.6	635.6	848.5	981.5	959.1	2014.7	5281.2	5548.6	4298.3	1829.9	887.7
82.5°	322.0	359.8	596.4	597.8	511.0	658.0	1661.9	1738.9	1226.5	737.8	362.6
85°	233.8	264.6	385.0	348.6	245.0	282.8	578.2	606.2	495.6	310.8	117.6
87.5°	82.6	117.6	211.4	168.0	67.2	58.8	166.6	135.8	126.0	86.8	26.6
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: P453491

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4624.5	4624.5	4624.5	4624.5	4624.5	4624.5	4624.5	4624.5	4624.5	4624.5	4624.5
2.5°	4649.7	4652.5	4638.5	4613.3	4588.1	4555.9	4519.5	4491.5	4478.9	4477.5	4476.1
5°	4700.1	4707.1	4653.9	4575.5	4488.7	4382.3	4291.3	4187.7	4161.1	4119.1	4131.7
7.5°	4781.3	4777.1	4672.1	4505.5	4302.5	4077.1	3886.7	3776.1	3661.2	3629.0	3630.4
10°	4897.5	4870.9	4672.1	4362.7	4023.9	3689.2	3423.2	3255.2	3164.2	3088.6	3060.6
12.5°	5020.7	4953.5	4627.3	4162.5	3665.4	3255.2	2969.6	2742.8	2684.0	2622.4	2623.8
15°	5138.3	5026.3	4539.1	3881.1	3279.0	2791.8	2514.6	2378.8	2360.6	2367.6	2366.2
17.5°	5244.8	5078.1	4404.7	3567.4	2828.2	2394.2	2247.2	2257.0	2306.0	2341.0	2345.2
20°	5352.6	5108.9	4204.5	3147.4	2402.6	2153.3	2158.9	2236.0	2310.2	2357.8	2364.8
22.5°	5454.8	5122.9	3969.3	2741.4	2094.5	2051.1	2133.7	2216.3	2289.2	2335.4	2342.4
25°	5522.0	5090.7	3636.0	2317.2	1943.3	2014.7	2101.5	2171.5	2233.2	2280.8	2292.0
27.5°	5540.2	4987.1	3223.0	1974.1	1873.3	1979.7	2059.5	2111.3	2158.9	2203.7	2212.1
30°	5530.4	4834.5	2769.4	1772.5	1832.7	1939.1	2000.7	2038.5	2095.9	2130.9	2137.9
32.5°	5515.0	4656.7	2296.2	1664.7	1799.1	1901.3	1937.7	1971.3	1969.9	1955.9	1965.7
35°	5520.6	4443.9	1912.5	1600.3	1769.7	1873.3	1904.1	1862.1	1741.7	1736.1	1730.5
37.5°	5550.0	4233.9	1633.9	1555.5	1754.3	1869.1	1885.9	1692.7	1586.3	1537.3	1524.7
40°	5625.6	3988.9	1450.5	1521.9	1752.9	1901.3	1803.3	1607.3	1402.9	1307.7	1300.7
42.5°	5726.4	3748.1	1338.5	1500.9	1769.7	1950.3	1769.7	1486.9	1264.3	1208.3	1199.9
45°	5876.2	3472.2	1276.9	1491.1	1794.9	1968.5	1758.5	1398.7	1208.3	1163.5	1163.5
47.5°	6045.6	3209.0	1243.3	1484.1	1827.1	1955.9	1659.1	1370.7	1181.7	1187.3	1213.9
50°	6213.6	2980.8	1218.1	1468.7	1855.1	1948.9	1618.5	1369.3	1188.7	1260.1	1307.7
52.5°	6408.2	2819.8	1187.3	1443.5	1855.1	1904.1	1605.9	1397.3	1208.3	1229.3	1250.3
55°	6643.4	2769.4	1148.1	1388.9	1821.5	1792.1	1598.9	1437.9	1222.3	1173.3	1181.7
57.5°	6954.3	2850.6	1110.3	1320.3	1744.5	1675.9	1596.1	1449.1	1190.1	1149.5	1141.1
60°	7315.5	3011.6	1099.1	1250.3	1639.5	1576.5	1579.3	1416.9	1145.3	1103.3	1110.3
62.5°	7568.9	3108.2	1092.1	1197.1	1524.7	1467.3	1538.7	1377.7	1125.7	1089.3	1096.3
65°	7568.9	2990.6	1027.7	1115.9	1376.3	1335.7	1489.7	1328.7	1100.5	1058.5	1051.5
67.5°	7281.9	2647.6	929.7	994.1	1212.5	1185.9	1421.1	1269.9	1062.7	1030.5	1013.7
70°	6534.2	2007.7	806.5	851.3	1005.3	1029.1	1332.9	1190.1	999.7	960.5	935.3
71°	6205.2	1748.7	754.7	778.5	925.5	960.5	1290.9	1156.5	971.7	915.7	870.9
72.5°	5571.0	1472.9	676.2	686.0	791.1	854.1	1202.7	1092.1	918.5	838.7	788.3
75°	4232.5	1075.3	544.6	539.0	585.2	677.6	1017.9	973.1	805.1	697.2	667.8
77.5°	1828.5	585.2	407.4	411.6	397.6	513.8	800.9	835.9	690.2	567.0	540.4
80°	554.4	337.4	278.6	284.2	266.0	344.4	564.2	655.2	554.4	441.0	404.6
82.5°	284.2	201.6	190.4	187.6	169.4	194.6	341.6	448.0	396.2	275.8	243.6
85°	123.2	107.8	93.8	91.0	79.8	70.0	121.8	224.0	210.0	154.0	147.0
87.5°	30.8	28.0	18.2	16.8	9.8	1.4	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)