

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: P529116

Luminaire Tested: **GLAN-SA4B-730-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4B-730-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17376 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 164
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

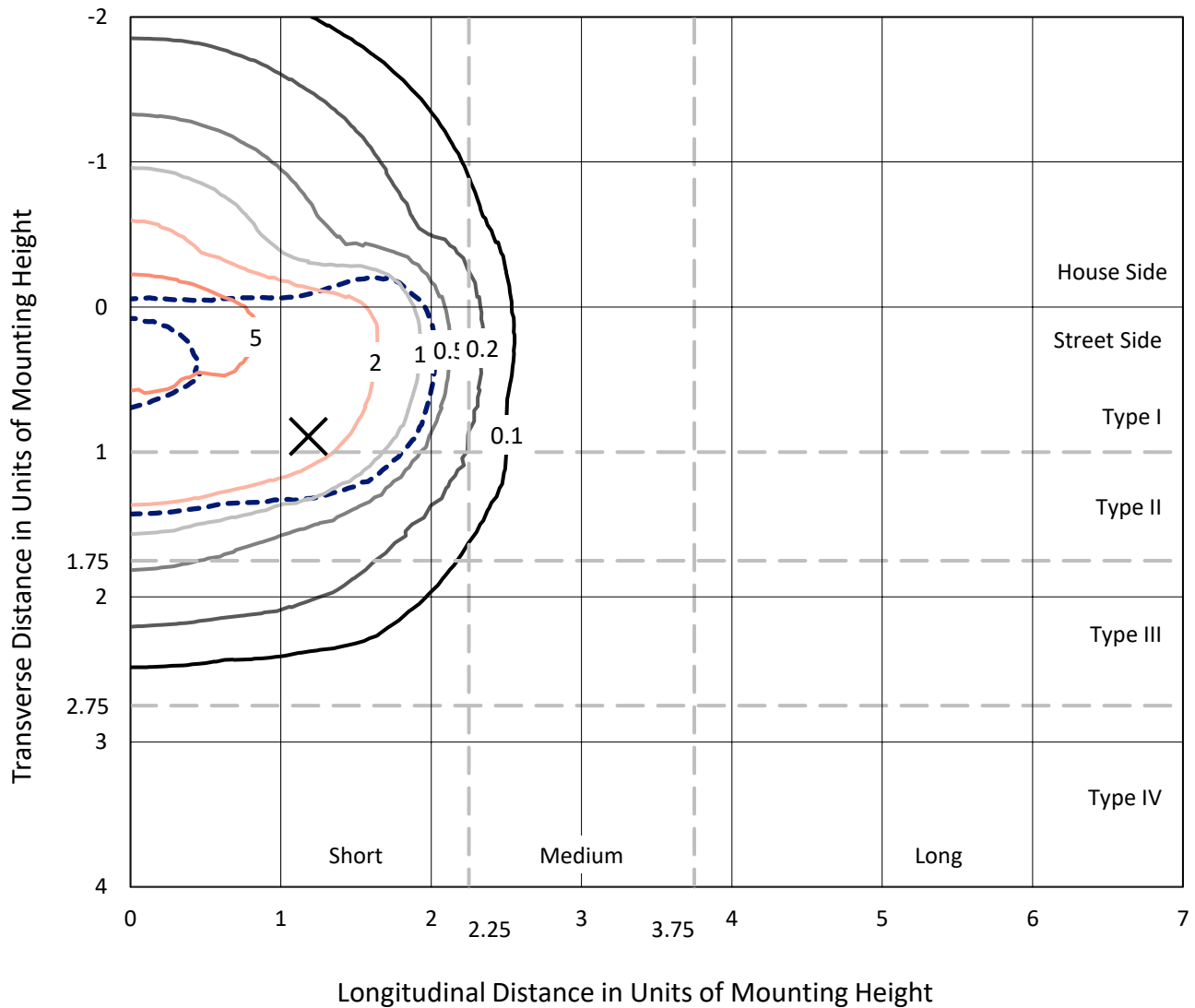


REPORT NUMBER: P529116

CATALOG NUMBER: GLAN-SA4B-730-U-SL2-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

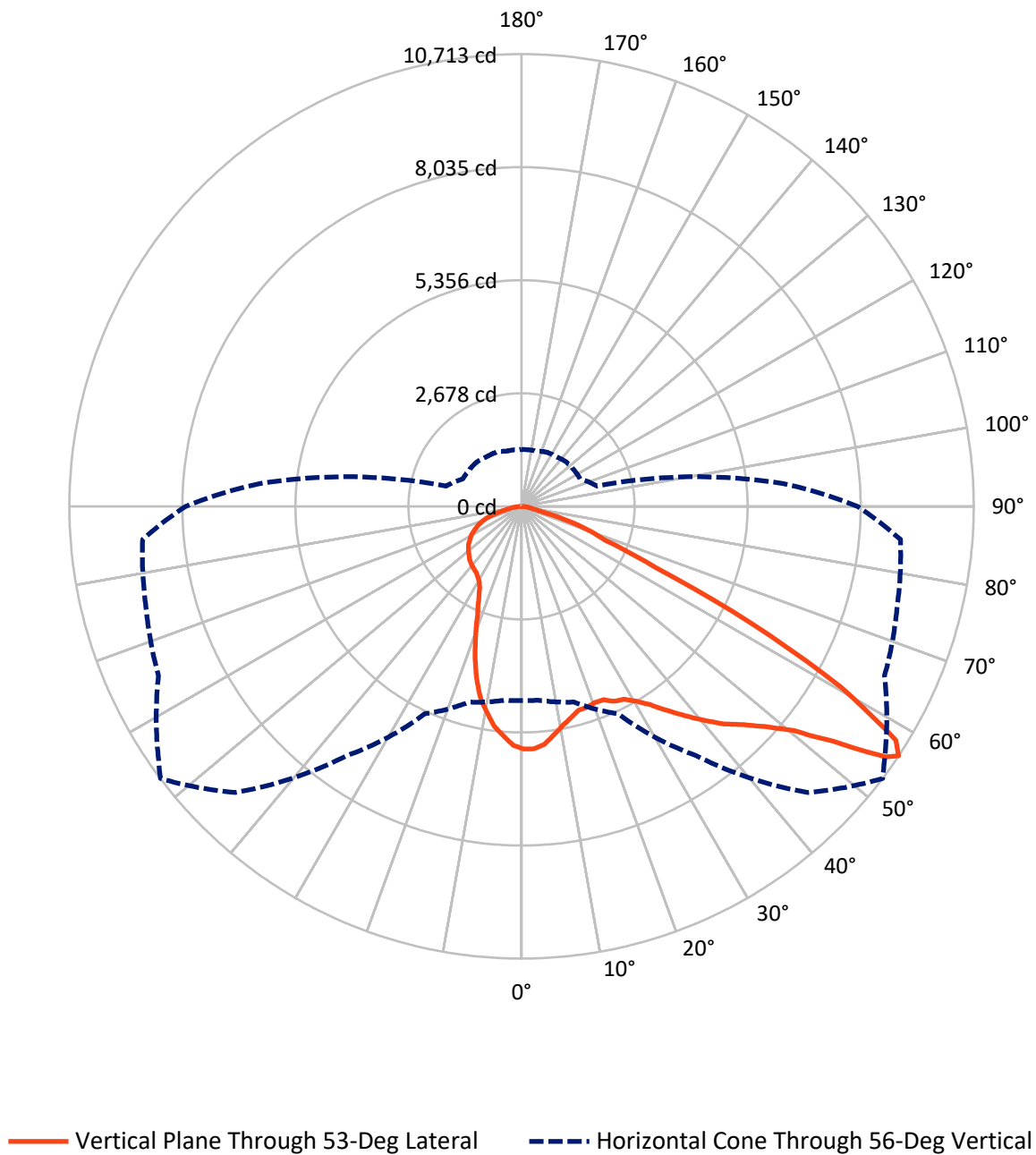


Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

REPORT NUMBER: P529116

CATALOG NUMBER: GLAN-SA4B-730-U-SL2-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P529116

CATALOG NUMBER: GLAN-SA4B-730-U-SL2-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5070.7	0.0	5070.7
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	12305.3	0.0	12305.3
	% Fixture	70.8	0.0	70.8
Total	Lumens	17376.0	0.0	17376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.9	2.9
10°-20°	1271.1	7.3
20°-30°	1874.3	10.8
30°-40°	2678.0	15.4
40°-50°	3685.9	21.2
50°-60°	4355.8	25.1
60°-70°	2321.3	13.4
70°-80°	588.9	3.4
80°-90°	91.8	0.5
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°	17376.0	100.0
0°-180°	17376.0	100.0

Coefficient of Utilization



REPORT NUMBER: P529116

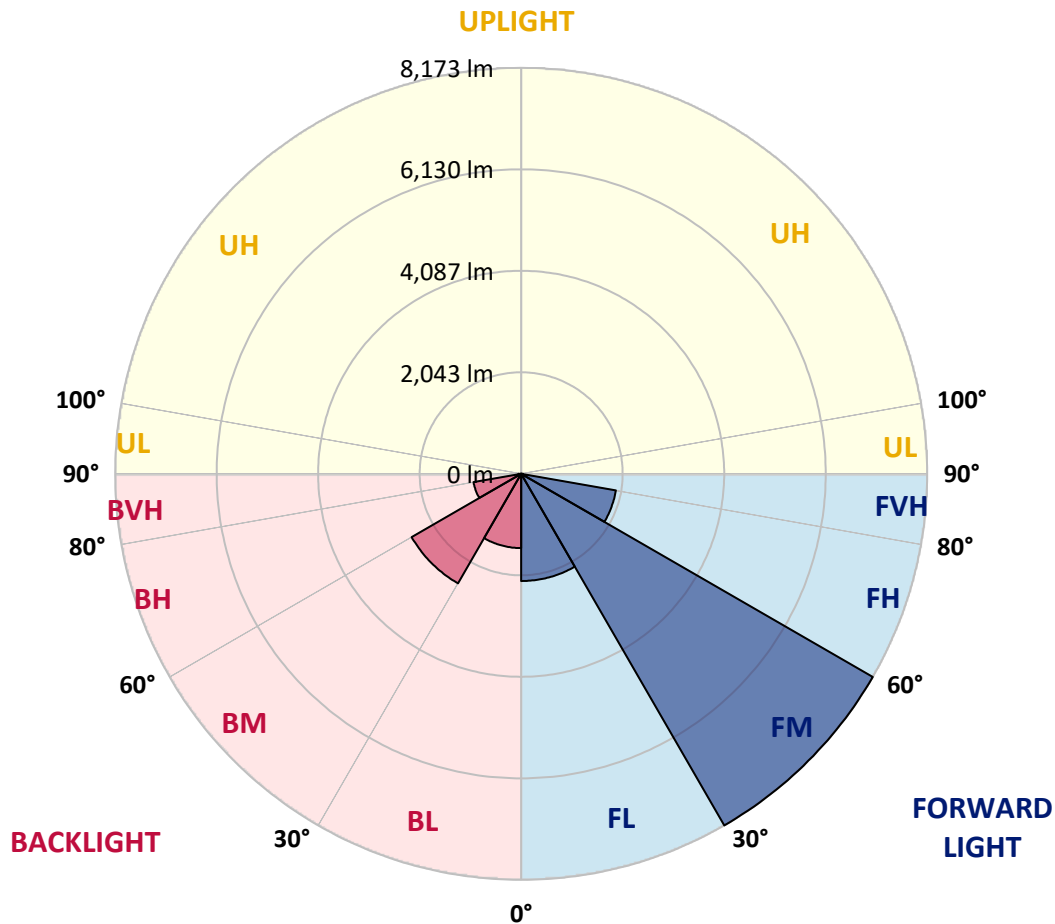
CATALOG NUMBER: GLAN-SA4B-730-U-SL2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2158.7	12.4			
FM	(30°-60°)	8173.3	47.0			
FH	(60°-80°)	1936.3	11.1			G2/5000
FVH	(80°-90°)	36.9	0.2			G1/100
BL	(0°-30°)	1495.6	8.6	B3/2500		
BM	(30°-60°)	2546.3	14.7	B3/5000		
BH	(60°-80°)	973.9	5.6	B2/1000		G2/1000
BVH	(80°-90°)	54.9	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-G2

Type II Short



REPORT NUMBER: P529116

CATALOG NUMBER: GLAN-SA4B-730-U-SL2-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5748.7	5748.7	5748.7	5748.7	5748.7	5748.7	5748.7	5748.7	5748.7	5748.7	5748.7
2.5°	5677.3	5628.3	5657.3	5646.1	5737.5	5764.3	5750.9	5762.0	5813.3	5788.8	5737.5
5°	5305.1	5374.2	5387.6	5421.0	5474.5	5579.3	5661.7	5684.0	5708.5	5822.2	5811.1
7.5°	4966.3	5013.1	4988.6	5086.6	5202.6	5372.0	5472.3	5490.1	5715.2	5777.6	5824.5
10°	4752.3	4705.5	4816.9	4843.7	4975.2	5169.1	5289.5	5363.0	5568.1	5815.5	5844.5
12.5°	4553.9	4538.3	4605.2	4681.0	4828.1	5028.7	5151.3	5180.3	5496.8	5757.6	5893.6
15°	4406.8	4389.0	4455.8	4511.6	4683.2	4861.5	5017.5	5100.0	5418.8	5724.1	5851.2
17.5°	4290.9	4288.7	4326.5	4426.9	4602.9	4752.3	5004.2	5008.6	5378.6	5775.4	5886.9
20°	4284.2	4282.0	4288.7	4400.1	4560.6	4743.4	4961.8	5001.9	5378.6	5739.7	5889.1
22.5°	4339.9	4304.3	4344.4	4415.7	4531.6	4759.0	4977.4	5066.6	5507.9	5915.8	5989.4
25°	4429.1	4438.0	4460.3	4484.8	4551.7	4794.6	5115.6	5189.2	5659.5	6067.4	6127.6
27.5°	4591.8	4587.3	4596.3	4609.6	4667.6	4828.1	5171.3	5360.8	5976.0	6337.1	6276.9
30°	4830.3	4814.7	4850.4	4897.2	4843.7	4935.1	5356.4	5499.0	6270.3	6609.1	6444.1
32.5°	5046.5	5104.5	5171.3	5191.4	5126.8	5144.6	5601.5	5746.4	6515.5	6943.4	6649.2
35°	5316.2	5363.0	5452.2	5514.6	5503.5	5450.0	5935.9	6127.6	6869.9	7188.6	6865.4
37.5°	5579.3	5635.0	5782.1	5967.1	5864.6	5840.1	6292.5	6450.8	6979.1	7320.1	7023.7
40°	6002.8	6000.5	6254.7	6350.5	6441.9	6399.5	6662.6	6716.1	7037.0	7291.2	7028.1
42.5°	6499.8	6468.6	6727.2	6876.6	6994.7	6999.2	7048.2	7030.4	7063.8	7144.0	6981.3
45°	6972.4	7039.3	7300.1	7567.6	7685.7	7699.1	7373.6	7340.2	7110.6	7101.7	6892.2
47.5°	7549.7	7565.3	7779.3	8131.5	8405.7	8312.0	7794.9	7721.4	7315.7	7384.8	7041.5
50°	7583.2	7699.1	7890.8	8305.4	9147.9	9123.4	8341.0	8202.8	7645.6	7786.0	7458.3
52.5°	6883.2	6856.5	7083.9	7761.5	9092.2	9930.3	9246.0	8916.1	8354.4	8247.4	8133.7
55°	5244.9	5307.3	5507.9	6192.2	7895.2	9941.5	10478.7	10209.0	9112.3	8929.5	8798.0
56°	4600.7	4609.6	4799.1	5423.2	7204.2	9587.1	10712.7	10494.3	9489.0	9210.3	9009.7
57.5°	3813.9	3762.6	3860.7	4201.7	6080.8	8838.1	10456.4	10670.4	9930.3	9513.5	9234.9
60°	3002.5	2991.4	2951.2	3013.6	3842.8	6658.1	8704.4	9185.8	9885.7	9228.2	8844.8
62.5°	2451.9	2396.2	2476.5	2565.6	2670.4	4130.4	6116.5	6399.5	7848.4	7366.9	6644.7
65°	1901.4	1874.6	1974.9	2264.7	2327.1	2623.6	3484.0	3702.4	4634.2	4551.7	4007.8
67.5°	1308.4	1312.9	1399.8	1841.2	2157.7	2131.0	2133.2	2246.9	2418.5	1796.6	1564.8
70°	829.2	827.0	873.8	1185.8	1736.4	1754.2	1665.1	1631.6	1546.9	936.2	991.9
72.5°	532.7	517.1	541.7	655.3	898.3	1038.7	1069.9	1090.0	896.1	735.6	798.0
75°	300.9	285.3	276.4	305.4	354.4	410.1	450.3	463.6	519.4	557.3	590.7
77.5°	91.4	82.5	100.3	133.7	176.1	236.3	287.5	296.5	350.0	394.5	428.0
80°	40.1	44.6	62.4	89.2	124.8	167.2	202.8	216.2	251.9	285.3	294.2
82.5°	24.5	26.7	42.4	60.2	86.9	118.1	144.9	149.3	185.0	211.8	218.4
85°	8.9	11.1	22.3	35.7	55.7	75.8	75.8	82.5	75.8	75.8	82.5
87.5°	0.0	0.0	2.2	4.5	4.5	6.7	8.9	8.9	11.1	13.4	15.6
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: P529116

CATALOG NUMBER: GLAN-SA4B-730-U-SL2-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5748.7	5748.7	5748.7	5748.7	5748.7	5748.7	5748.7	5748.7	5748.7	5748.7	5748.7
2.5°	5764.3	5753.1	5735.3	5670.6	5664.0	5643.9	5532.4	5514.6	5532.4	5479.0	5483.4
5°	5753.1	5786.6	5652.8	5588.2	5467.8	5380.9	5280.6	5229.3	5137.9	5080.0	5144.6
7.5°	5802.2	5788.8	5621.6	5481.2	5300.6	5080.0	4903.9	4803.6	4643.1	4598.5	4631.9
10°	5784.3	5713.0	5516.8	5331.8	4990.8	4796.9	4511.6	4235.2	4083.6	4005.6	3994.4
12.5°	5759.8	5739.7	5412.1	5093.3	4734.5	4326.5	3925.3	3664.5	3417.1	3310.1	3325.7
15°	5788.8	5619.4	5215.9	4812.5	4335.5	3800.5	3368.1	3031.5	2859.8	2790.7	2790.7
17.5°	5775.4	5561.4	5122.3	4498.2	3894.1	3261.1	2786.3	2583.4	2512.1	2512.1	2532.2
20°	5782.1	5599.3	4932.8	4183.9	3372.5	2746.2	2400.7	2327.1	2358.3	2369.5	2380.6
22.5°	5820.0	5474.5	4747.8	3838.4	2888.8	2349.4	2180.0	2182.2	2237.9	2298.1	2287.0
25°	5866.8	5425.5	4522.7	3495.1	2518.8	2155.5	2102.0	2095.3	2137.6	2168.8	2173.3
27.5°	5826.7	5340.8	4293.1	3067.1	2215.7	2026.2	2015.0	2019.5	2032.9	2095.3	2075.2
30°	5958.2	5365.3	4005.6	2708.3	2048.5	1983.8	1970.5	1963.8	1983.8	2001.7	1986.1
32.5°	6120.9	5278.3	3791.6	2362.8	1966.0	1952.6	1925.9	1917.0	1928.1	1910.3	1919.2
35°	6192.2	5262.7	3512.9	2115.3	1901.4	1890.2	1874.6	1872.4	1874.6	1859.0	1845.6
37.5°	6232.4	5336.3	3194.2	2001.7	1861.2	1872.4	1836.7	1832.3	1792.1	1801.1	1807.7
40°	6301.5	5222.6	2935.6	1892.4	1836.7	1814.4	1783.2	1776.5	1749.8	1734.2	1749.8
42.5°	6201.2	5189.2	2681.5	1845.6	1801.1	1776.5	1754.2	1716.4	1707.4	1694.1	1685.1
45°	6120.9	4997.5	2454.2	1787.7	1758.7	1745.3	1703.0	1662.9	1629.4	1642.8	1622.7
47.5°	6181.1	4930.6	2229.0	1738.6	1700.7	1685.1	1642.8	1611.6	1578.2	1562.5	1558.1
50°	6421.8	5055.4	2039.6	1703.0	1651.7	1642.8	1587.1	1551.4	1520.2	1509.1	1513.5
52.5°	6996.9	5396.5	1910.3	1629.4	1604.9	1564.8	1533.6	1489.0	1468.9	1433.3	1455.6
55°	7725.8	5951.5	1876.8	1560.3	1546.9	1511.3	1468.9	1435.5	1397.6	1368.6	1361.9
56°	7959.9	6216.8	1850.1	1533.6	1511.3	1491.2	1435.5	1415.4	1355.2	1348.6	1344.1
57.5°	8149.3	6450.8	1854.6	1482.3	1460.0	1442.2	1408.7	1359.7	1319.6	1295.1	1306.2
60°	7721.4	6038.4	1769.8	1404.3	1399.8	1366.4	1319.6	1297.3	1248.3	1219.3	1212.6
62.5°	5739.7	4099.2	1435.5	1304.0	1301.8	1266.1	1212.6	1188.1	1179.2	1139.0	1139.0
65°	3305.6	2570.1	1241.6	1221.5	1203.7	1168.0	1114.5	1094.5	1072.2	1058.8	1047.6
67.5°	1411.0	1333.0	1127.9	1125.7	1105.6	1061.0	1007.5	976.3	947.3	920.6	934.0
70°	1023.1	1038.7	1018.7	1007.5	983.0	927.3	880.5	842.6	798.0	780.2	793.5
72.5°	811.4	844.8	873.8	876.0	847.0	782.4	731.1	679.9	630.8	606.3	617.4
75°	615.2	637.5	666.5	673.2	630.8	586.2	537.2	483.7	445.8	416.8	421.3
77.5°	443.6	439.1	465.9	461.4	441.3	410.1	365.6	316.5	274.2	247.4	249.7
80°	303.1	309.8	325.4	323.2	298.7	278.6	245.2	205.1	173.9	151.6	147.1
82.5°	211.8	222.9	236.3	225.1	205.1	185.0	160.5	131.5	107.0	89.2	84.7
85°	75.8	86.9	100.3	107.0	113.7	109.2	91.4	73.6	53.5	44.6	42.4
87.5°	15.6	17.8	20.1	20.1	20.1	17.8	15.6	15.6	13.4	6.7	6.7
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)