

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: P319660

Luminaire Tested: **GAN-SA6D-730-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-730-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42265 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

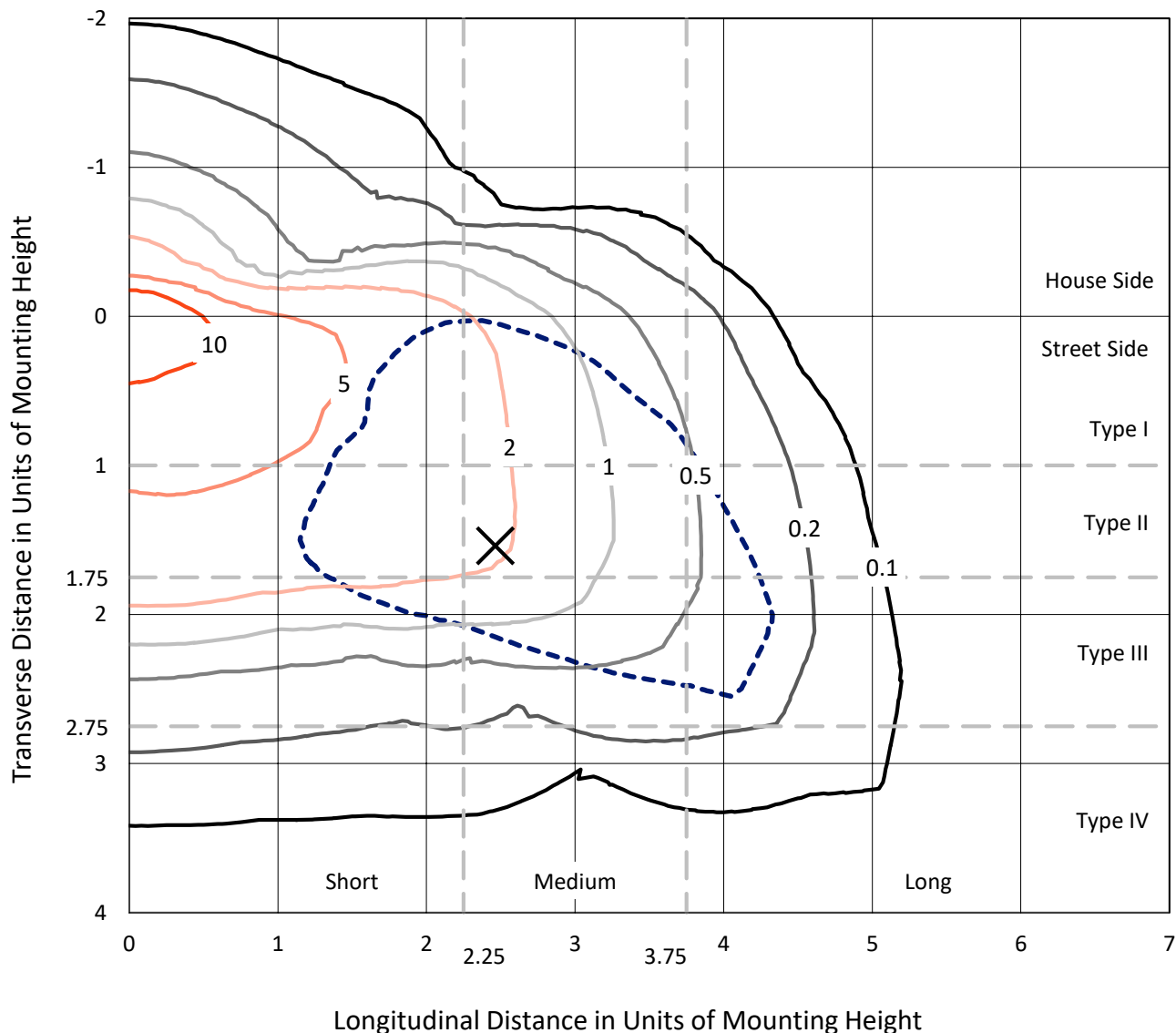
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

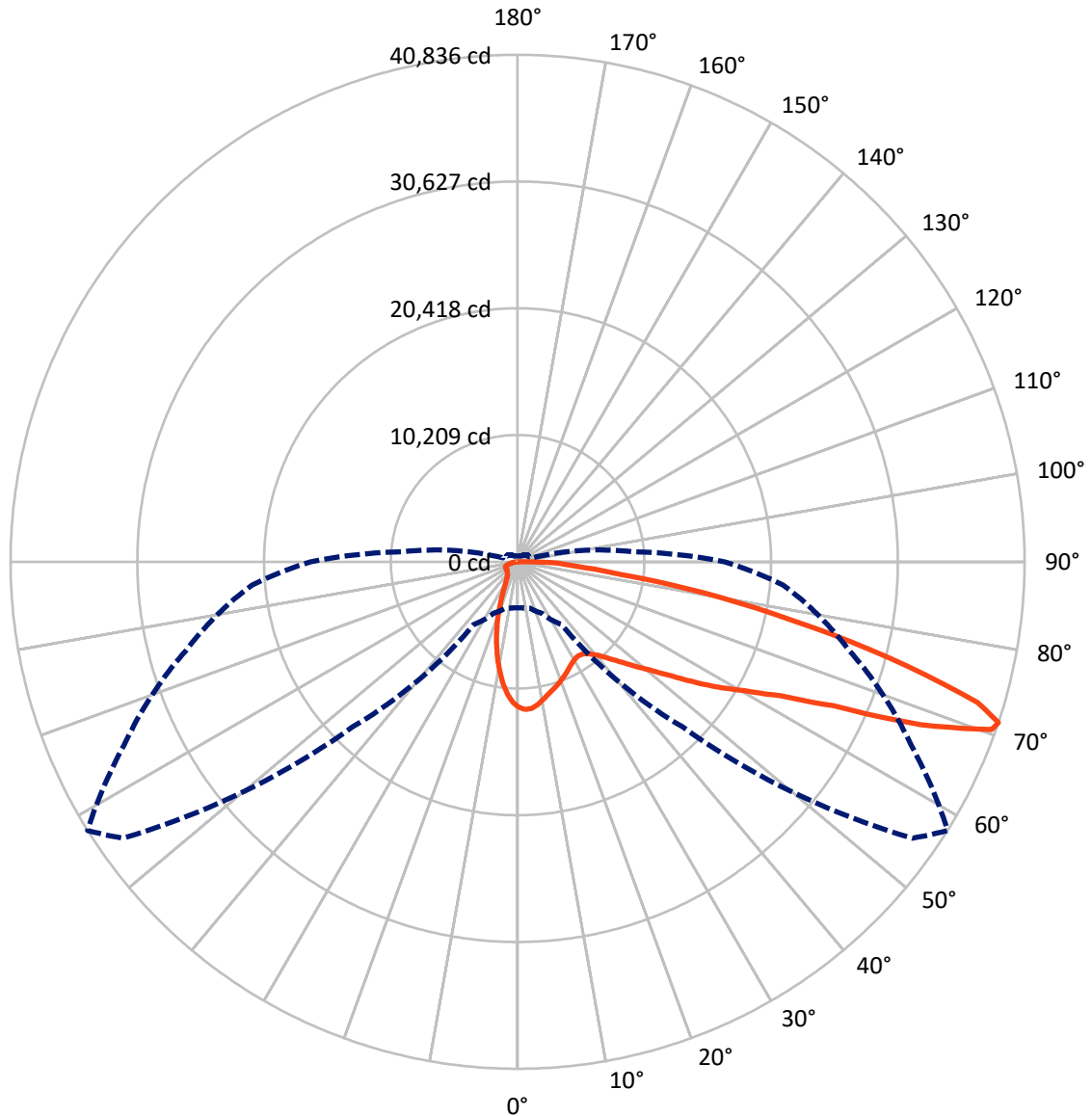
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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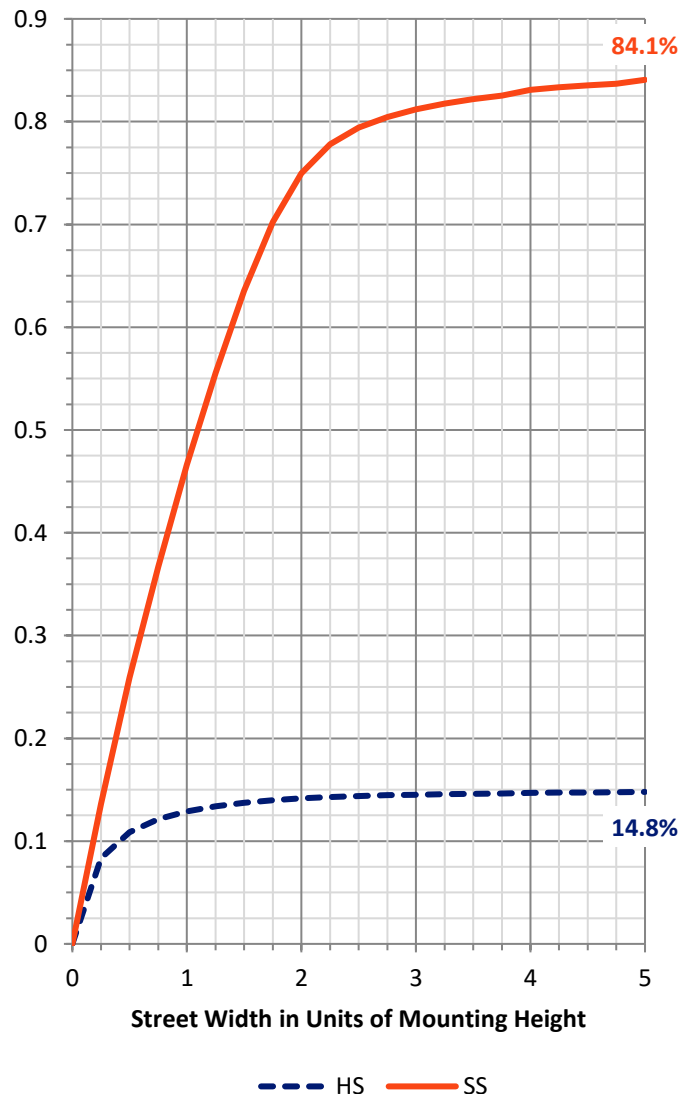
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6318.9	0.0	6318.9
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	35946.1	0.0	35946.1
	% Fixture	85.0	0.0	85.0
Total	Lumens	42265.0	0.0	42265.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1010.2	2.4
10°-20°	2246.4	5.3
20°-30°	2854.9	6.8
30°-40°	3636.6	8.6
40°-50°	5156.9	12.2
50°-60°	7980.5	18.9
60°-70°	10864.4	25.7
70°-80°	7247.8	17.1
80°-90°	1267.2	3.0
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°	42265.0	100.0
0°-180°	42265.0	100.0

Coefficient of Utilization

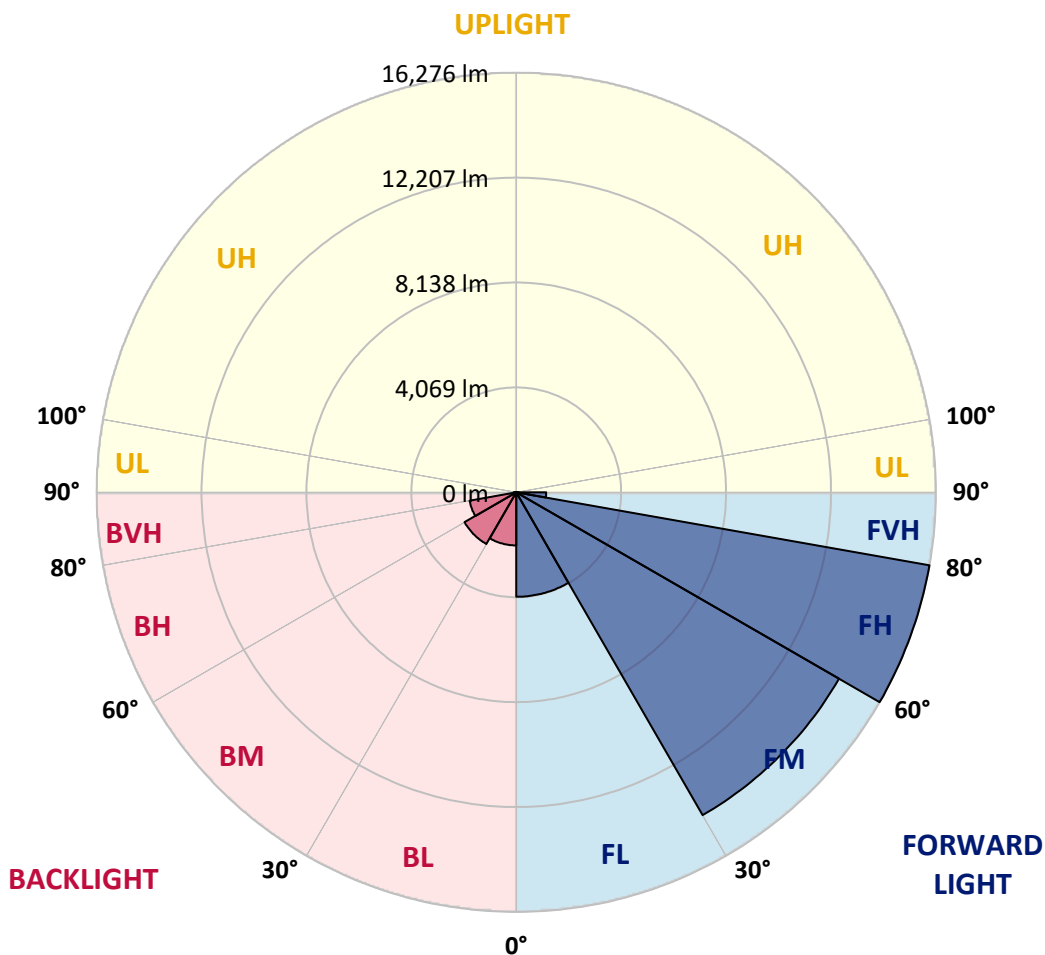


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4051.8	9.6			
FM (30°-60°)	14456.7	34.2			
FH (60°-80°)	16275.7	38.5			G5
FVH (80°-90°)	1161.9	2.7			G5
BL (0°-30°)	2059.8	4.9	B3/2500		
BM (30°-60°)	2317.3	5.5	B2/2500		
BH (60°-80°)	1836.5	4.3	B3/2500		G3/2500
BVH (80°-90°)	105.3	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	11710.2	11710.2	11710.2	11710.2	11710.2	11710.2	11710.2	11710.2	11710.2	11710.2	11710.2
2.5°	12020.9	12004.7	12010.6	11998.8	11970.8	11942.8	11901.6	11909.0	11851.6	11766.2	11660.2
5°	11794.1	11788.3	11832.4	11857.5	11878.1	11861.9	11850.1	11864.8	11780.9	11663.1	11479.1
7.5°	11318.6	11253.8	11309.8	11393.7	11473.2	11533.6	11613.1	11623.4	11570.4	11446.7	11205.3
10°	10642.9	10581.0	10663.5	10794.5	10953.5	11097.8	11258.3	11287.7	11298.0	11186.1	10893.1
12.5°	9942.1	9895.0	9977.4	10161.4	10425.0	10647.3	10903.4	10947.6	11038.9	10963.8	10604.6
15°	9314.9	9297.2	9397.3	9578.4	9881.7	10221.8	10591.3	10672.3	10826.9	10801.9	10379.3
17.5°	8773.1	8768.7	8845.2	9035.2	9370.8	9800.7	10280.7	10417.6	10647.3	10676.7	10193.8
20°	8369.7	8360.9	8413.9	8553.7	8899.7	9387.0	9945.0	10133.5	10464.7	10567.8	10002.4
22.5°	8153.3	8151.8	8153.3	8219.5	8502.2	8955.7	9618.2	9847.8	10286.6	10480.9	9790.4
25°	8116.5	8112.1	8079.7	8072.3	8232.8	8595.0	9294.3	9547.5	10117.3	10420.5	9588.7
27.5°	8212.2	8218.1	8175.4	8106.2	8138.6	8357.9	9013.1	9284.0	9981.8	10408.8	9448.9
30°	8410.9	8408.0	8371.2	8299.0	8235.7	8269.6	8812.9	9083.7	9890.5	10460.3	9353.2
32.5°	8630.3	8646.5	8639.1	8599.4	8505.2	8369.7	8752.5	9017.5	9864.0	10584.0	9311.9
35°	8893.8	8911.5	8964.5	8995.4	8885.0	8667.1	8882.0	9111.7	9940.6	10816.6	9378.2
37.5°	9144.1	9189.7	9338.4	9469.5	9375.3	9132.3	9226.6	9390.0	10177.6	11183.2	9556.3
40°	9432.7	9472.4	9715.3	9993.6	9978.9	9727.1	9781.6	9890.5	10595.7	11708.8	9878.8
42.5°	9716.8	9796.3	10148.2	10542.7	10656.1	10433.8	10520.7	10578.1	11184.6	12405.1	10441.2
45°	10095.2	10180.6	10669.4	11144.9	11409.9	11284.8	11423.1	11445.2	11925.2	13353.3	11258.3
47.5°	10667.9	10765.0	11334.8	11833.9	12238.8	12252.0	12480.2	12471.4	12849.7	14438.3	12287.4
50°	11560.1	11699.9	12166.6	12633.3	13125.1	13398.9	13703.6	13661.0	13958.3	15594.0	13472.5
52.5°	12729.0	12793.8	13139.8	13484.3	14095.3	14709.2	15146.4	15108.2	15215.6	16782.1	14818.1
55°	13940.7	13989.3	14132.1	14320.5	15142.0	16143.2	17067.7	17007.4	16735.0	18015.9	16147.6
57.5°	15030.1	15128.8	15227.4	15305.5	16196.2	17641.9	19033.2	19037.6	18383.9	19346.8	17521.2
60°	15199.4	15286.3	15938.5	16553.9	17999.7	19641.2	21137.0	21092.8	20090.2	20791.0	19052.3
62.5°	13435.7	13631.5	14721.0	16358.1	19736.9	23298.3	23820.9	23766.4	22130.8	22571.0	20835.2
65°	9628.5	9850.8	11165.5	13625.6	18894.8	27327.8	28664.6	27931.4	24913.3	24760.2	22922.8
67.5°	5554.8	5607.8	6177.5	8153.3	14386.8	27538.3	36053.8	35027.6	29234.4	27243.9	23944.6
70°	4107.6	4106.1	4241.5	5017.4	7785.2	22475.3	39568.0	40488.2	33783.6	28061.0	22500.3
71°	3714.5	3718.9	3870.5	4566.9	6165.8	18812.3	38821.6	40835.6	34982.0	27657.6	21455.0
72.5°	3177.1	3191.8	3402.4	4095.8	5186.7	12973.4	35606.2	38750.9	35550.3	26662.3	19819.4
75°	2410.1	2443.9	2735.4	3452.4	4740.6	6579.5	26132.3	30943.6	31581.1	23526.5	14726.9
77.5°	1719.6	1757.9	2087.6	2903.3	4506.5	4958.5	17500.6	22571.0	23240.8	15077.3	6642.8
80°	1086.5	1132.2	1381.0	2310.0	4234.2	4708.2	10997.7	15171.5	12673.1	4824.5	1690.1
82.5°	637.5	672.8	856.8	1509.1	3458.3	4534.5	6470.5	8409.5	4932.0	1457.5	768.5
85°	369.5	385.7	534.4	961.4	2511.6	4279.8	4753.9	4700.9	2140.6	712.6	363.6
87.5°	172.3	191.4	316.5	502.0	1394.2	3102.0	3757.2	3246.3	1330.9	334.2	170.8
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°	11710.2	11710.2	11710.2	11710.2	11710.2	11710.2	11710.2	11710.2	11710.2	11710.2	11710.2
2.5°	11608.6	11583.6	11479.1	11386.3	11289.2	11162.6	11022.7	11005.0	10919.6	10935.8	10906.4
5°	11379.0	11315.7	11063.9	10835.7	10566.3	10324.8	10062.8	9942.1	9768.3	9756.6	9712.4
7.5°	11050.7	10932.9	10542.7	10109.9	9677.1	9264.8	8857.0	8589.1	8315.2	8198.9	8188.6
10°	10681.1	10480.9	9906.7	9266.3	8642.1	8039.9	7456.9	7025.5	6636.9	6452.8	6445.5
12.5°	10330.7	10034.8	9247.2	8375.6	7521.7	6741.4	5942.0	5375.2	4887.9	4724.4	4655.2
15°	10033.3	9616.7	8605.3	7490.8	6454.3	5370.7	4460.9	3864.6	3414.1	3258.1	3228.6
17.5°	9744.8	9208.9	7947.2	6597.1	5344.2	4153.2	3241.9	2798.7	2558.8	2495.5	2494.0
20°	9457.7	8789.3	7259.6	5682.9	4271.0	3106.4	2492.5	2293.8	2212.8	2205.4	2193.6
22.5°	9132.3	8344.7	6536.8	4765.7	3333.2	2442.5	2118.6	2039.1	2028.8	2055.3	2055.3
25°	8827.6	7903.0	5803.6	3867.6	2592.6	2037.6	1891.8	1875.6	1903.6	1950.7	1955.1
27.5°	8543.4	7477.5	5088.1	3069.6	2077.3	1794.7	1734.3	1753.4	1803.5	1858.0	1859.4
30°	8309.3	7075.6	4393.2	2418.9	1754.9	1613.6	1603.3	1641.6	1696.0	1738.7	1749.0
32.5°	8128.3	6732.6	3721.8	1944.8	1544.4	1478.1	1487.0	1519.4	1553.2	1576.8	1593.0
35°	8044.3	6438.1	3102.0	1640.1	1410.4	1373.6	1385.4	1403.0	1417.8	1435.4	1448.7
37.5°	8059.1	6209.9	2548.5	1450.2	1320.6	1301.5	1301.5	1301.5	1301.5	1310.3	1311.8
40°	8196.0	6078.9	2097.9	1329.4	1260.2	1239.6	1223.4	1208.7	1196.9	1202.8	1199.9
42.5°	8546.4	6067.1	1768.2	1252.9	1211.7	1177.8	1145.4	1124.8	1110.1	1116.0	1118.9
45°	9141.2	6214.3	1545.9	1198.4	1166.0	1114.5	1073.3	1051.2	1040.9	1060.0	1063.0
47.5°	9911.1	6535.3	1410.4	1158.7	1123.3	1055.6	1011.4	990.8	993.8	1021.7	1029.1
50°	10903.4	7056.5	1345.6	1133.6	1093.9	1005.5	959.9	942.2	951.1	990.8	999.7
52.5°	11992.9	7807.3	1353.0	1126.3	1074.7	968.7	920.2	899.5	914.3	951.1	958.4
55°	13250.2	8709.8	1475.2	1136.6	1046.8	945.2	887.8	852.4	864.2	898.1	904.0
57.5°	14647.4	9743.3	1721.1	1133.6	1011.4	923.1	853.9	800.9	809.7	830.3	836.2
60°	16101.9	10991.8	2102.4	1142.5	995.2	896.6	808.3	742.0	739.1	756.7	759.7
62.5°	17848.0	12436.0	2538.1	1148.4	1005.5	862.7	747.9	683.1	674.3	678.7	681.6
65°	19647.1	13481.3	2374.7	1124.8	1037.9	834.8	694.9	625.7	609.5	606.6	608.0
67.5°	19703.0	12361.0	1665.1	1077.7	1051.2	820.0	655.1	577.1	550.6	540.3	538.8
70°	17669.9	10042.2	1297.0	1027.6	998.2	796.5	618.3	537.4	497.6	481.4	480.0
71°	16677.6	9244.2	1229.3	1002.6	958.4	772.9	602.1	519.7	478.5	460.8	457.9
72.5°	15121.4	8287.3	1146.9	962.8	881.9	712.6	571.2	494.7	452.0	431.4	427.0
75°	10851.9	5419.3	984.9	858.3	730.2	568.3	500.6	444.6	407.8	382.8	379.8
77.5°	4181.2	2156.8	745.0	714.0	559.5	444.6	412.2	384.3	357.8	332.7	331.3
80°	1292.6	964.3	543.3	537.4	404.9	331.3	320.9	313.6	303.3	276.8	270.9
82.5°	690.5	553.6	374.0	347.4	265.0	220.8	232.6	235.6	237.0	209.1	206.1
85°	329.8	293.0	210.5	197.3	154.6	123.7	142.8	154.6	156.1	128.1	119.3
87.5°	157.5	153.1	98.6	75.1	57.4	41.2	50.1	61.8	67.7	48.6	42.7
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)