

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: P319724

Luminaire Tested: **GAN-SA0B-750-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319724
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-SA0B-750-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 800mA 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: 56567 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

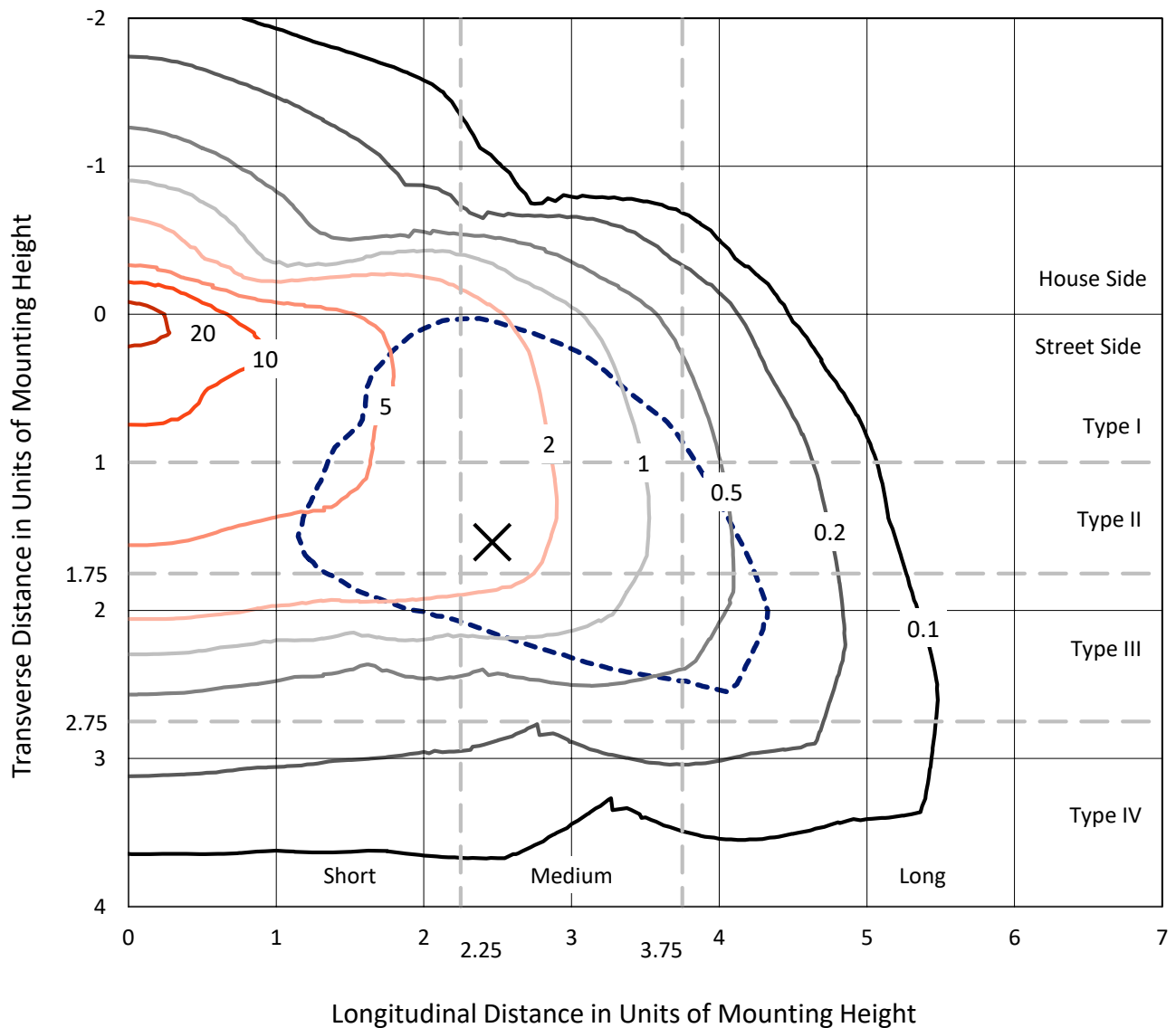
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

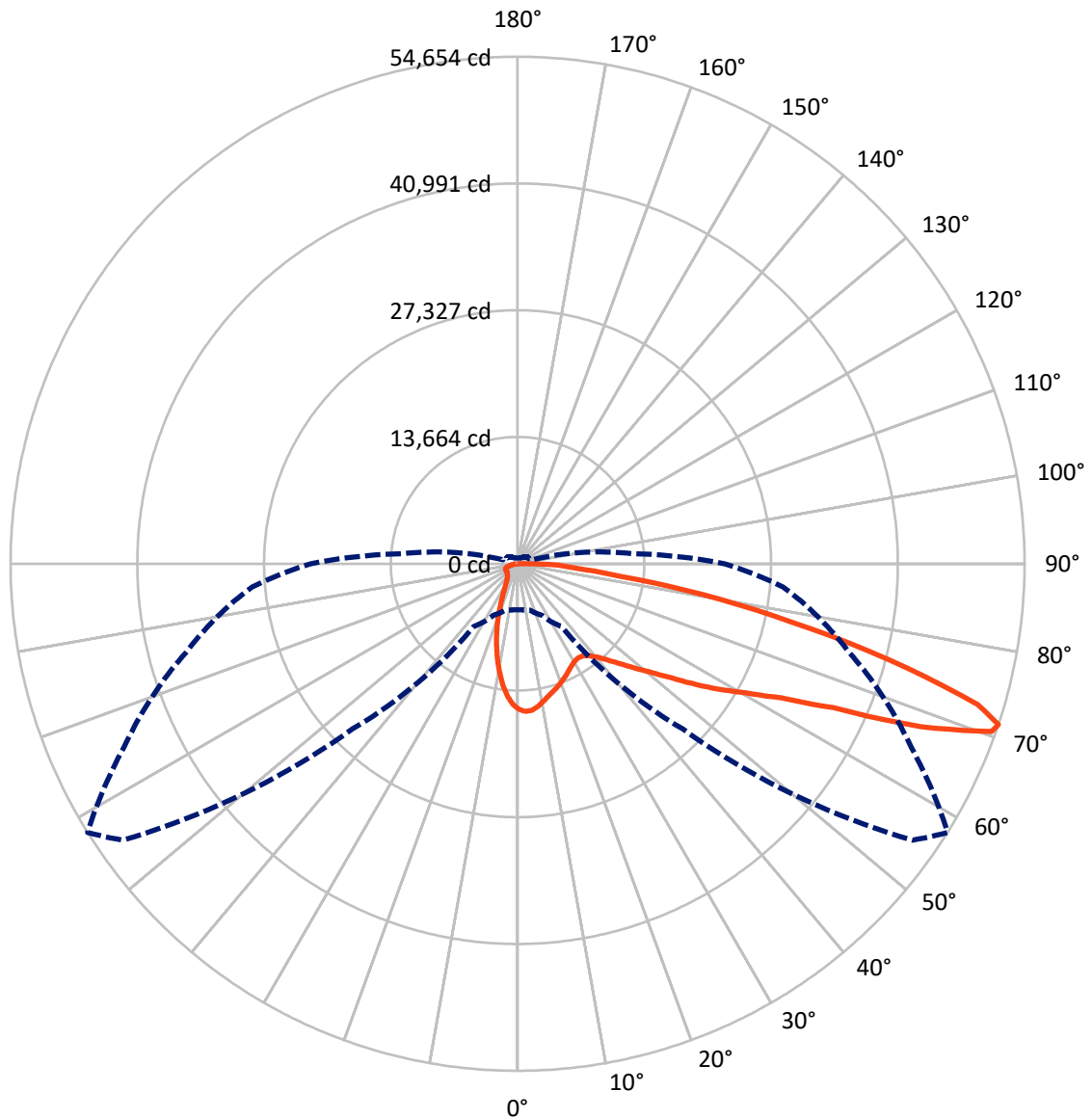
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.1 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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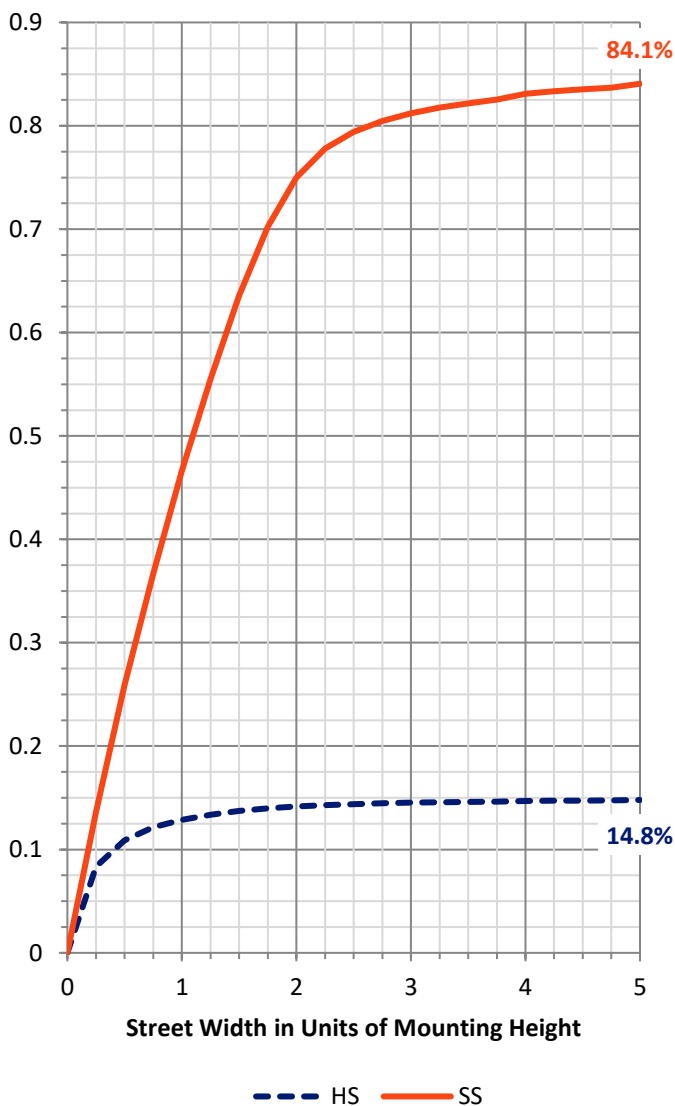
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8457.2	0.0	8457.2
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	48109.9	0.0	48109.9
	% Fixture	85.0	0.0	85.0
Total	Lumens	56567.0	0.0	56567.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1352.1	2.4
10°-20°	3006.5	5.3
20°-30°	3821.0	6.8
30°-40°	4867.2	8.6
40°-50°	6901.9	12.2
50°-60°	10681.0	18.9
60°-70°	14540.8	25.7
70°-80°	9700.4	17.1
80°-90°	1696.0	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°	56567.0	100.0
0°-180°	56567.0	100.0

Coefficient of Utilization

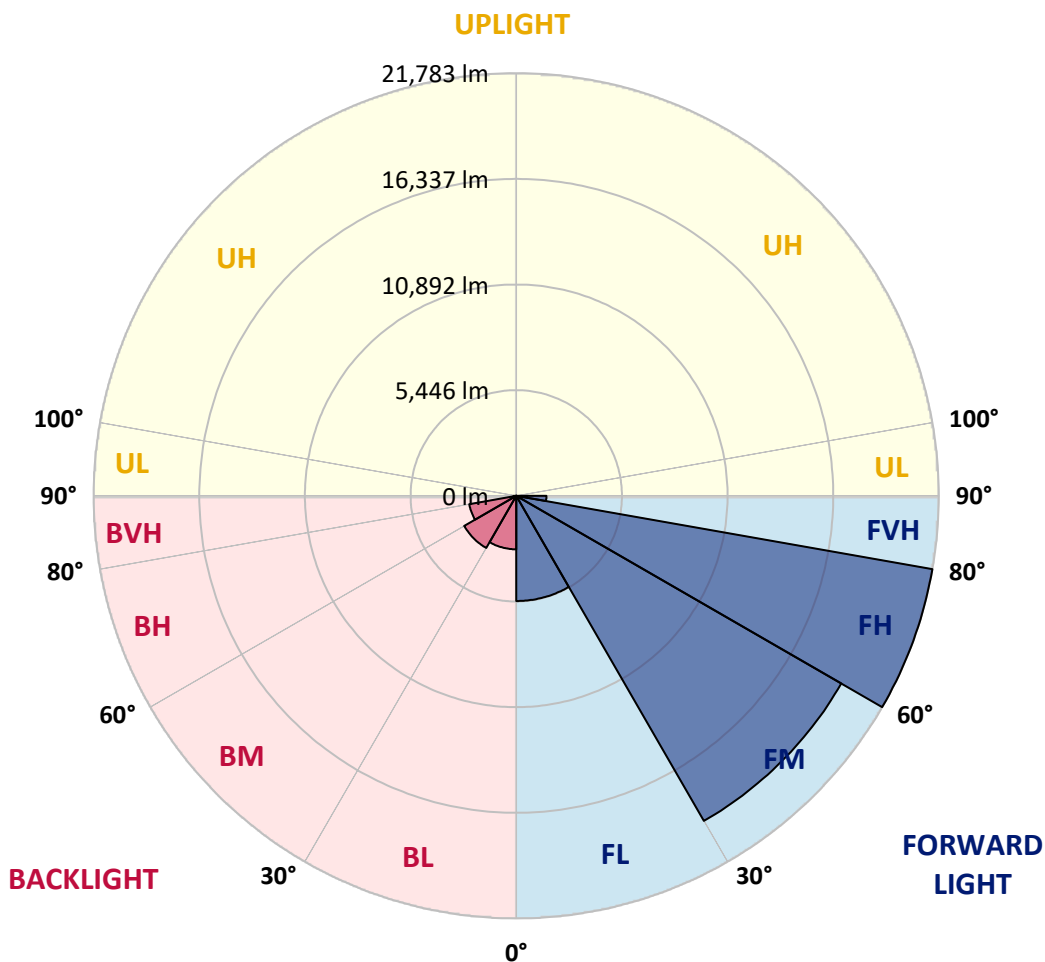


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5422.9	9.6			
FM (30°-60°)	19348.7	34.2			
FH (60°-80°)	21783.3	38.5			G5
FVH (80°-90°)	1555.1	2.7			G5
BL (0°-30°)	2756.8	4.9	B4/5000		
BM (30°-60°)	3101.5	5.5	B3/5000		
BH (60°-80°)	2458.0	4.3	B3/2500		G3/2500
BVH (80°-90°)	140.9	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	15672.8	15672.8	15672.8	15672.8	15672.8	15672.8	15672.8	15672.8	15672.8	15672.8	15672.8
2.5°	16088.6	16066.9	16074.8	16059.0	16021.6	15984.2	15929.0	15938.8	15862.0	15747.7	15605.8
5°	15785.2	15777.3	15836.4	15869.9	15897.5	15875.8	15860.0	15879.7	15767.4	15609.8	15363.5
7.5°	15148.7	15062.0	15136.9	15249.2	15355.6	15436.4	15542.8	15556.6	15485.6	15320.1	14997.0
10°	14244.3	14161.5	14271.9	14447.2	14660.0	14853.1	15067.9	15107.3	15121.1	14971.4	14579.2
12.5°	13306.3	13243.3	13353.6	13599.9	13952.7	14250.2	14593.0	14652.2	14774.3	14673.8	14193.0
15°	12466.9	12443.3	12577.3	12819.7	13225.6	13680.7	14175.3	14283.7	14490.6	14457.1	13891.6
17.5°	11741.8	11735.9	11838.4	12092.6	12541.8	13117.2	13759.5	13942.8	14250.2	14289.6	13643.3
20°	11201.9	11190.1	11261.0	11448.2	11911.3	12563.5	13310.3	13562.5	14005.9	14143.8	13387.1
22.5°	10912.3	10910.3	10912.3	11000.9	11379.3	11986.2	12872.9	13180.2	13767.4	14027.5	13103.4
25°	10863.0	10857.1	10813.7	10803.9	11018.7	11503.4	12439.4	12778.3	13540.8	13946.7	12833.4
27.5°	10991.1	10999.0	10941.8	10849.2	10892.6	11186.2	12063.0	12425.6	13359.5	13931.0	12646.3
30°	11257.1	11253.2	11203.9	11107.3	11022.6	11067.9	11795.0	12157.6	13237.4	13999.9	12518.2
32.5°	11550.7	11572.4	11562.5	11509.3	11383.2	11201.9	11714.2	12068.9	13201.9	14165.5	12463.0
35°	11903.4	11927.0	11998.0	12039.4	11891.6	11600.0	11887.6	12195.0	13304.4	14476.8	12551.7
37.5°	12238.4	12299.5	12498.5	12673.8	12547.7	12222.6	12348.7	12567.4	13621.6	14967.4	12790.1
40°	12624.6	12677.8	13002.9	13375.3	13355.6	13018.7	13091.6	13237.4	14181.2	15670.9	13221.6
42.5°	13004.9	13111.3	13582.2	14110.3	14262.0	13964.5	14080.7	14157.6	14969.4	16602.9	13974.3
45°	13511.3	13625.6	14279.7	14916.2	15270.9	15103.4	15288.6	15318.2	15960.5	17871.8	15067.9
47.5°	14277.8	14407.8	15170.4	15838.4	16380.2	16398.0	16703.4	16691.6	17198.0	19324.1	16445.3
50°	15471.9	15659.0	16283.7	16908.3	17566.4	17932.9	18340.8	18283.7	18681.7	20870.8	18031.5
52.5°	17036.4	17123.1	17586.1	18047.2	18864.9	19686.6	20271.8	20220.6	20364.4	22461.0	19832.4
55°	18658.0	18723.1	18914.2	19166.4	20265.9	21605.8	22843.3	22762.5	22397.9	24112.2	21611.7
57.5°	20116.2	20248.2	20380.2	20484.6	21676.8	23611.7	25473.8	25479.7	24604.8	25893.5	23450.1
60°	20342.8	20459.0	21331.9	22155.6	24090.5	26287.6	28289.5	28230.4	26888.6	27826.5	25499.4
62.5°	17982.2	18244.3	19702.4	21893.5	26415.7	31182.1	31881.6	31808.7	29619.6	30208.7	27885.6
65°	12886.6	13184.2	14943.8	18236.4	25288.6	36575.2	38364.4	37383.1	33343.7	33138.8	30679.7
67.5°	7434.5	7505.4	8267.9	10912.3	19255.1	36857.0	48254.0	46880.6	39126.9	36462.9	32047.2
70°	5497.5	5495.5	5676.8	6715.2	10419.7	30080.7	52957.4	54188.9	45215.6	37556.5	30114.2
71°	4971.4	4977.3	5180.3	6112.3	8252.2	25178.2	51958.4	54654.0	46819.5	37016.6	28715.2
72.5°	4252.2	4271.9	4553.7	5481.8	6941.8	17363.5	47655.0	51863.8	47580.1	35684.6	26526.0
75°	3225.6	3270.9	3661.1	4620.7	6344.8	8805.9	34975.2	41414.6	42267.8	31487.6	19710.3
77.5°	2301.5	2352.7	2794.1	3885.7	6031.5	6636.4	23422.6	30208.7	31105.3	20179.2	8890.6
80°	1454.2	1515.3	1848.3	3091.6	5667.0	6301.5	14719.1	20305.3	16961.5	6457.1	2262.1
82.5°	853.2	900.5	1146.8	2019.7	4628.6	6068.9	8660.1	11255.1	6601.0	1950.7	1028.6
85°	494.6	516.3	715.3	1286.7	3361.6	5728.1	6362.5	6291.6	2865.0	953.7	486.7
87.5°	230.5	256.2	423.6	671.9	1866.0	4151.7	5028.6	4344.8	1781.3	447.3	228.6
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°	15672.8	15672.8	15672.8	15672.8	15672.8	15672.8	15672.8	15672.8	15672.8	15672.8	15672.8
2.5°	15536.9	15503.4	15363.5	15239.3	15109.3	14939.8	14752.6	14729.0	14614.7	14636.4	14597.0
5°	15229.5	15144.8	14807.8	14502.4	14141.8	13818.7	13467.9	13306.3	13073.8	13058.1	12999.0
7.5°	14790.1	14632.5	14110.3	13531.0	12951.7	12399.9	11854.1	11495.5	11129.0	10973.4	10959.6
10°	14295.5	14027.5	13259.1	12401.9	11566.5	10760.5	9980.3	9402.9	8882.7	8636.4	8626.6
12.5°	13826.5	13430.5	12376.3	11209.8	10067.0	9022.6	7952.7	7194.1	6541.8	6323.1	6230.5
15°	13428.5	12870.9	11517.2	10025.6	8638.4	7188.1	5970.4	5172.4	4569.4	4360.6	4321.2
17.5°	13042.3	12325.1	10636.4	8829.5	7152.7	5558.6	4338.9	3745.8	3424.6	3339.9	3337.9
20°	12658.1	11763.5	9716.2	7605.9	5716.2	4157.6	3335.9	3069.9	2961.6	2951.7	2935.9
22.5°	12222.6	11168.4	8748.7	6378.3	4461.1	3269.0	2835.5	2729.1	2715.3	2750.7	2750.7
25°	11814.7	10577.3	7767.5	5176.3	3469.9	2727.1	2532.0	2510.3	2547.8	2610.8	2616.7
27.5°	11434.4	10007.8	6809.8	4108.4	2780.3	2402.0	2321.2	2346.8	2413.8	2486.7	2488.7
30°	11121.1	9469.9	5879.8	3237.4	2348.8	2159.6	2145.8	2197.0	2269.9	2327.1	2340.9
32.5°	10878.8	9010.8	4981.3	2602.9	2067.0	1978.3	1990.1	2033.5	2078.8	2110.3	2132.0
35°	10766.5	8616.7	4151.7	2195.1	1887.7	1838.4	1854.2	1877.8	1897.5	1921.2	1938.9
37.5°	10786.2	8311.3	3410.8	1940.9	1767.5	1741.9	1741.9	1741.9	1741.9	1753.7	1755.7
40°	10969.4	8135.9	2807.9	1779.3	1686.7	1659.1	1637.4	1617.7	1602.0	1609.8	1605.9
42.5°	11438.4	8120.2	2366.5	1676.8	1621.7	1576.3	1533.0	1505.4	1485.7	1493.6	1497.5
45°	12234.4	8317.2	2069.0	1603.9	1560.6	1491.6	1436.4	1406.9	1393.1	1418.7	1422.7
47.5°	13265.0	8746.8	1887.7	1550.7	1503.4	1412.8	1353.7	1326.1	1330.0	1367.5	1377.3
50°	14593.0	9444.3	1801.0	1517.2	1464.0	1345.8	1284.7	1261.1	1272.9	1326.1	1337.9
52.5°	16051.2	10449.2	1810.8	1507.4	1438.4	1296.5	1231.5	1203.9	1223.6	1272.9	1282.8
55°	17733.9	11657.1	1974.4	1521.2	1401.0	1265.0	1188.2	1140.9	1156.6	1202.0	1209.8
57.5°	19603.9	13040.3	2303.4	1517.2	1353.7	1235.5	1142.9	1071.9	1083.7	1111.3	1119.2
60°	21550.6	14711.3	2813.8	1529.1	1332.0	1200.0	1081.8	993.1	989.2	1012.8	1016.7
62.5°	23887.6	16644.3	3397.0	1536.9	1345.8	1154.7	1001.0	914.3	902.5	908.4	912.3
65°	26295.5	18043.3	3178.3	1505.4	1389.2	1117.2	930.0	837.4	815.8	811.8	813.8
67.5°	26370.3	16543.8	2228.6	1442.4	1406.9	1097.5	876.8	772.4	736.9	723.1	721.2
70°	23649.2	13440.3	1736.0	1375.4	1336.0	1066.0	827.6	719.2	666.0	644.3	642.4
71°	22321.1	12372.4	1645.3	1341.9	1282.8	1034.5	805.9	695.6	640.4	616.7	612.8
72.5°	20238.3	11091.6	1535.0	1288.7	1180.3	953.7	764.5	662.1	604.9	577.3	571.4
75°	14524.1	7253.2	1318.2	1148.8	977.3	760.6	669.9	595.1	545.8	512.3	508.4
77.5°	5596.0	2886.7	997.0	955.7	748.8	595.1	551.7	514.3	478.8	445.3	443.3
80°	1730.0	1290.6	727.1	719.2	541.9	443.3	429.6	419.7	405.9	370.4	362.6
82.5°	924.1	740.9	500.5	465.0	354.7	295.6	311.3	315.3	317.2	279.8	275.9
85°	441.4	392.1	281.8	264.0	206.9	165.5	191.1	206.9	208.9	171.4	159.6
87.5°	210.8	204.9	132.0	100.5	76.8	55.2	67.0	82.8	90.6	65.0	57.1
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)