

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: P319344

Luminaire Tested: **GAN-SA0D-730-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-730-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 68515 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

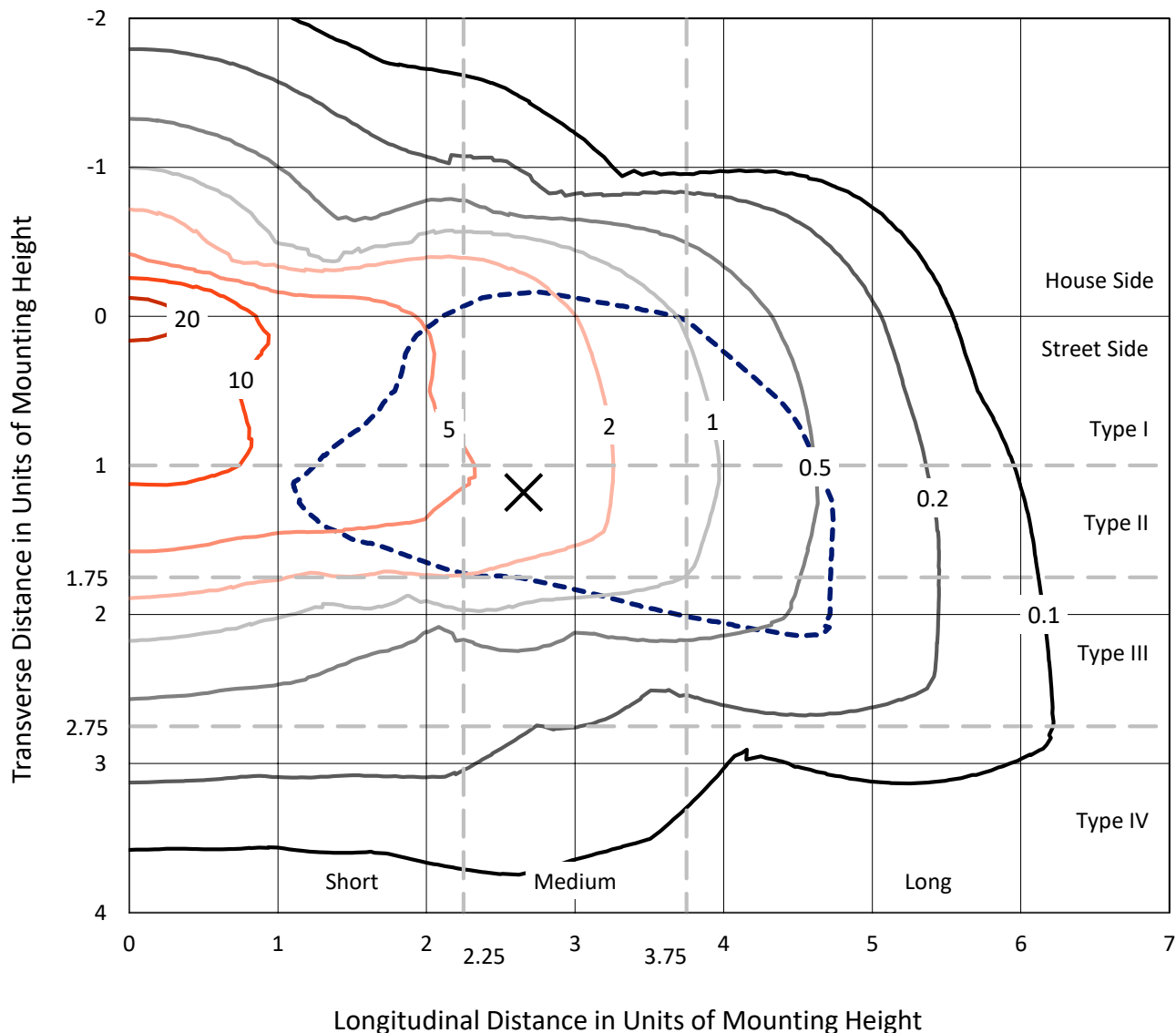
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319344
 CATALOG NUMBER: GAN-SA0D-730-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

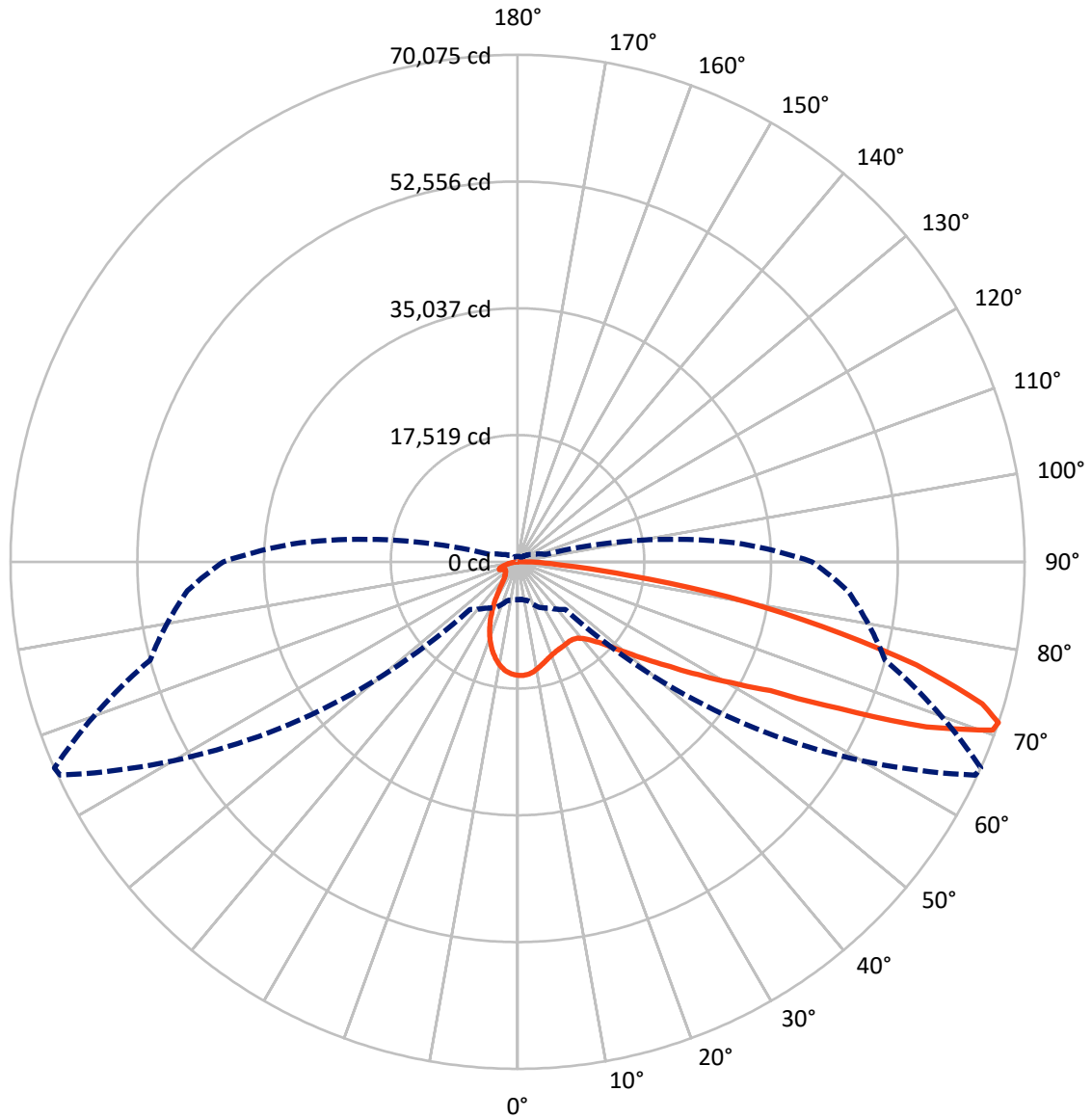
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P319344
CATALOG NUMBER: GAN-SA0D-730-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P319344
 CATALOG NUMBER: GAN-SA0D-730-U-SL2

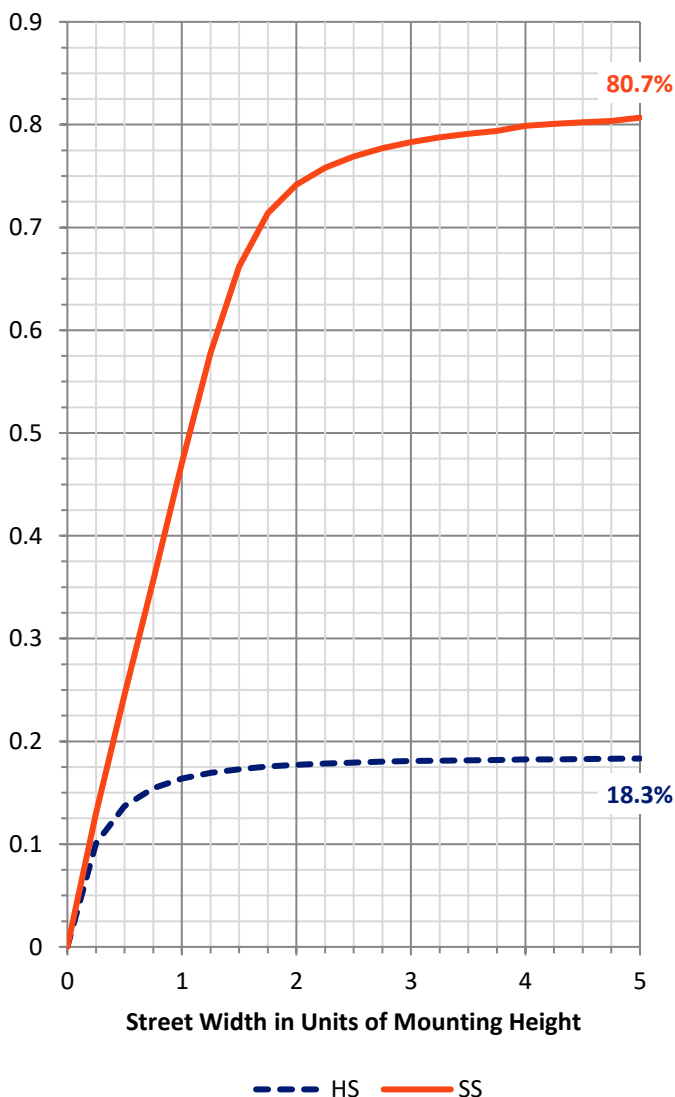
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12697.7	0.0	12697.7
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	55817.3	0.0	55817.3
	% Fixture	81.5	0.0	81.5
Total	Lumens	68515.0	0.0	68515.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1381.6	2.0
10°-20°	3313.6	4.8
20°-30°	4451.0	6.5
30°-40°	5855.2	8.5
40°-50°	8517.8	12.4
50°-60°	13305.8	19.4
60°-70°	16667.6	24.3
70°-80°	12713.7	18.6
80°-90°	2308.7	3.4
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°	68515.0	100.0
0°-180°	68515.0	100.0

Coefficient of Utilization

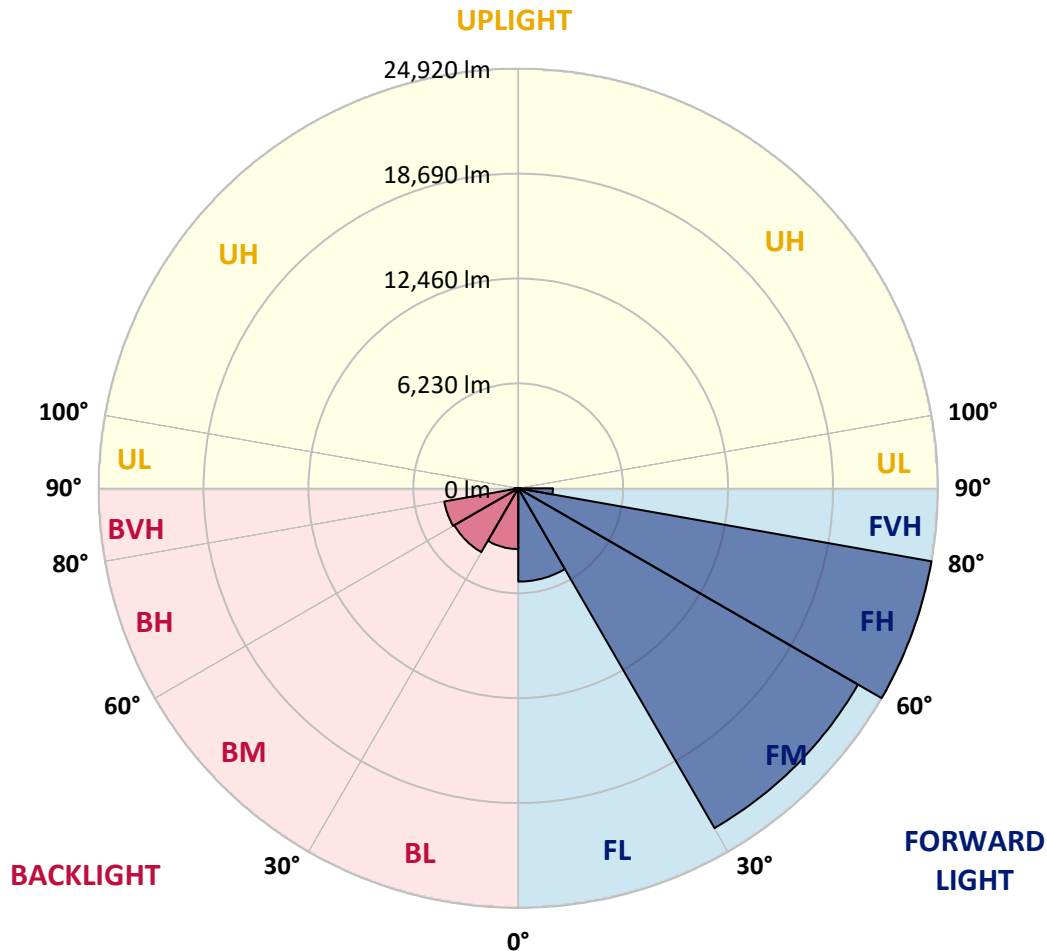


REPORT NUMBER: P319344
 CATALOG NUMBER: GAN-SA0D-730-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5540.4	8.1			
FM (30°-60°)	23298.5	34.0			
FH (60°-80°)	24919.6	36.4			G5
FVH (80°-90°)	2058.8	3.0			G5
BL (0°-30°)	3605.8	5.3	B4/5000		
BM (30°-60°)	4380.3	6.4	B3/5000		
BH (60°-80°)	4461.7	6.5	B4/5000		G4/5000
BVH (80°-90°)	249.9	0.4			G3/500
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





REPORT NUMBER: P319344

CATALOG NUMBER: GAN-SAOD-730-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	15695.5	15695.5	15695.5	15695.5	15695.5	15695.5	15695.5	15695.5	15695.5	15695.5	15695.5
2.5°	15404.5	15380.8	15451.8	15525.1	15553.5	15600.8	15671.8	15712.0	15709.7	15716.8	15693.1
5°	14382.6	14351.8	14493.8	14609.7	14832.0	15082.8	15387.9	15605.6	15610.3	15733.3	15766.4
7.5°	13415.1	13393.8	13557.0	13743.9	14001.7	14384.9	14879.3	15347.7	15376.1	15709.7	15825.6
10°	12639.2	12634.4	12792.9	12996.4	13296.8	13725.0	14292.7	14978.7	15021.3	15596.1	15835.0
12.5°	12033.6	12043.0	12180.2	12412.1	12729.1	13176.1	13791.2	14564.7	14633.3	15416.3	15780.6
15°	11586.5	11624.3	11735.5	11969.7	12282.0	12736.2	13367.8	14181.5	14285.6	15215.3	15749.9
17.5°	11331.0	11373.6	11451.7	11645.6	11939.0	12376.6	12975.1	13866.9	13961.5	15061.5	15752.2
20°	11255.3	11290.8	11335.7	11454.0	11702.4	12099.8	12665.2	13583.0	13684.7	14938.5	15775.9
22.5°	11404.3	11430.4	11435.1	11425.6	11577.0	11901.1	12440.5	13374.9	13483.7	14858.1	15792.4
25°	11723.7	11759.2	11733.2	11645.6	11596.0	11794.7	12324.5	13237.6	13346.5	14798.9	15759.3
27.5°	12203.9	12208.6	12187.3	12073.8	11839.6	11806.5	12289.1	13157.2	13261.3	14730.3	15690.7
30°	12856.8	12887.5	12849.7	12695.9	12312.7	11995.7	12331.6	13079.2	13173.8	14642.8	15579.5
32.5°	13620.9	13696.6	13694.2	13533.3	12984.5	12419.2	12506.7	13031.8	13105.2	14550.5	15444.7
35°	14413.3	14517.4	14711.4	14642.8	13963.9	13088.6	12842.6	13107.5	13157.2	14538.7	15350.1
37.5°	15236.5	15340.6	15740.4	15924.9	15130.1	14046.7	13372.5	13374.9	13398.5	14683.0	15343.0
40°	16097.6	16208.8	16809.6	17289.8	16641.7	15260.2	14226.5	13933.1	13907.1	15037.8	15482.6
42.5°	17304.0	17403.4	18124.9	18737.6	18318.9	16814.4	15406.9	14794.2	14739.8	15733.3	15929.7
45°	18829.8	18915.0	19681.4	20336.7	20121.4	18588.5	16890.1	15979.3	15969.9	16892.4	16835.7
47.5°	20644.2	20710.4	21398.8	22032.8	22110.8	20630.0	18754.1	17807.9	17654.1	18482.1	18238.4
50°	22534.3	22607.6	23076.0	23757.3	24336.8	23362.2	21152.8	20048.1	19842.3	20580.3	20225.5
52.5°	23785.7	23882.6	24289.5	25153.0	26839.6	26357.0	23989.1	22763.7	22451.5	23123.3	22851.3
55°	23227.4	23445.0	24067.2	25451.0	28840.9	30932.0	27487.8	25931.2	25578.8	26137.0	25976.2
57.5°	20689.1	20987.2	21836.4	23972.5	29122.4	34962.9	32777.1	29661.7	29413.3	29252.5	29325.8
60°	16050.3	16336.5	17389.2	20173.5	27161.3	37905.7	40737.2	34260.3	33900.8	32379.7	32446.0
62.5°	11359.4	11215.1	11936.6	13973.3	22070.6	38251.0	49794.9	40410.8	39228.0	35682.0	35391.1
65°	8662.7	8629.5	8953.6	9601.8	13367.8	34118.4	55190.8	50748.3	48900.8	39566.3	38880.3
67.5°	7118.0	7058.8	7378.2	8322.0	8608.3	22011.5	55309.1	62741.6	60927.2	44401.5	42915.9
70°	5852.4	5786.1	6084.2	7302.5	7955.4	11163.1	46549.4	69765.0	69668.0	50523.5	45962.7
71°	5246.8	5199.5	5556.7	6909.8	7815.8	9303.7	40190.8	69783.9	70074.8	52595.8	45783.0
72.5°	4272.2	4288.8	4667.2	6150.4	7711.7	8215.6	29538.7	66531.2	67146.3	54571.0	44148.4
75°	2838.7	2852.9	3349.6	4731.1	7477.5	8038.2	16234.8	55827.1	56957.8	53388.2	40285.4
77.5°	1906.6	1901.9	2240.2	3245.5	6514.7	8038.2	9519.0	41754.4	42996.3	42480.6	31057.4
80°	1312.9	1303.4	1542.3	2240.2	4932.2	8135.1	7359.2	29261.9	29638.0	22941.2	12622.6
82.5°	804.3	811.4	1007.7	1582.6	3356.7	7321.4	6947.6	15955.7	15546.4	6434.3	3153.3
85°	461.3	458.9	643.4	1071.6	2155.0	6178.8	6775.0	6867.2	6299.5	1937.4	1140.2
87.5°	165.6	177.4	345.4	593.8	1234.8	4302.9	5748.3	3572.0	3219.5	875.3	515.7
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: P319344
 CATALOG NUMBER: GAN-SAOD-730-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15695.5	15695.5	15695.5	15695.5	15695.5	15695.5	15695.5	15695.5	15695.5	15695.5	15695.5
2.5°	15676.5	15690.7	15674.2	15579.5	15499.1	15369.0	15295.7	15194.0	15163.2	15149.0	15186.9
5°	15735.7	15740.4	15600.8	15352.5	15073.3	14744.5	14508.0	14217.0	14079.8	14020.6	14058.5
7.5°	15790.1	15768.8	15463.6	14988.2	14472.5	13900.0	13391.4	12925.4	12653.4	12542.2	12551.6
10°	15797.2	15707.3	15217.6	14481.9	13682.4	12842.6	12062.0	11342.8	10888.7	10593.0	10682.8
12.5°	15723.8	15572.5	14855.7	13826.7	12717.2	11572.3	10517.3	9438.6	8790.4	8490.0	8499.4
15°	15667.1	15392.7	14411.0	13055.5	11565.2	10048.9	8608.3	7340.3	6649.6	6342.1	6197.8
17.5°	15619.8	15198.7	13895.3	12187.3	10205.0	8281.8	6550.2	5419.5	5041.0	4951.1	4913.3
20°	15553.5	14992.9	13320.4	11182.0	8655.6	6304.2	4783.2	4224.9	4227.2	4331.3	4345.5
22.5°	15461.3	14758.7	12707.8	10053.6	6992.6	4591.5	3749.4	3588.5	3751.8	3950.5	3986.0
25°	15324.1	14481.9	12026.5	8807.0	5332.0	3529.4	3203.0	3195.9	3394.6	3602.7	3633.5
27.5°	15130.1	14120.0	11269.5	7468.1	3929.2	2999.5	2869.4	2919.1	3065.8	3217.2	3229.0
30°	14869.9	13698.9	10434.5	6055.8	3080.0	2670.7	2656.5	2701.5	2791.4	2897.8	2907.3
32.5°	14583.6	13270.8	9542.7	4688.5	2637.6	2493.3	2507.5	2528.8	2571.4	2613.9	2623.4
35°	14323.4	12833.1	8629.5	3562.5	2427.1	2377.4	2367.9	2363.2	2367.9	2353.7	2356.1
37.5°	14155.5	12471.2	7678.6	2836.3	2306.4	2275.7	2247.3	2211.8	2171.6	2147.9	2152.7
40°	14094.0	12201.5	6715.8	2450.7	2207.1	2185.8	2131.4	2055.7	2008.4	1994.2	1994.2
42.5°	14259.6	12062.0	5786.1	2256.7	2124.3	2088.8	1998.9	1911.4	1875.9	1873.5	1871.2
45°	14765.8	12118.7	4901.4	2150.3	2048.6	1980.0	1861.7	1788.4	1764.7	1769.4	1767.1
47.5°	15674.2	12475.9	4144.5	2079.3	1972.9	1883.0	1750.5	1691.4	1663.0	1663.0	1665.4
50°	17218.9	13311.0	3541.2	2020.2	1909.0	1793.1	1670.1	1596.7	1558.9	1556.5	1556.5
52.5°	19468.5	14806.0	3165.1	1970.5	1838.0	1712.7	1589.7	1497.4	1452.5	1443.0	1438.3
55°	22288.3	16949.2	3061.0	1937.4	1743.4	1625.1	1492.7	1400.4	1350.7	1329.4	1327.1
57.5°	25441.5	19556.0	3266.8	1897.2	1646.4	1521.1	1386.2	1298.7	1246.6	1220.6	1218.3
60°	28632.7	22401.8	4106.6	1840.4	1566.0	1407.5	1277.4	1197.0	1144.9	1116.5	1111.8
62.5°	31828.5	25401.3	5821.6	1835.7	1509.2	1298.7	1166.2	1097.6	1047.9	1017.2	1010.1
65°	35433.7	28684.7	7770.8	1961.0	1490.3	1199.3	1052.7	998.3	955.7	927.3	924.9
67.5°	39573.4	32391.6	7584.0	2218.9	1554.2	1109.4	946.2	903.6	872.9	849.2	846.9
70°	41515.5	31812.0	4714.6	2401.0	1644.1	1021.9	844.5	813.8	790.1	773.5	766.4
71°	40701.7	30205.8	3952.8	2379.7	1634.6	984.1	804.3	780.6	757.0	742.8	735.7
72.5°	38482.9	27546.9	3297.6	2214.2	1528.1	915.5	752.2	728.6	707.3	690.7	686.0
75°	34532.4	24601.8	2640.0	1769.4	1218.3	773.5	660.0	634.0	617.4	607.9	598.5
77.5°	25384.8	17557.2	2041.5	1398.0	896.5	631.6	563.0	544.1	527.5	513.3	506.2
80°	9724.8	6801.0	1374.4	1043.2	657.6	499.1	454.2	444.7	428.2	418.7	418.7
82.5°	2618.7	2032.0	733.3	631.6	440.0	364.3	347.7	343.0	328.8	309.9	312.3
85°	1059.8	896.5	411.6	347.7	269.7	215.3	234.2	236.6	220.0	196.3	198.7
87.5°	466.0	380.9	229.5	153.8	118.3	82.8	106.4	106.4	97.0	80.4	73.3
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)