

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: P318055

Luminaire Tested: **GAN-SA1D-730-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1D-730-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7260 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

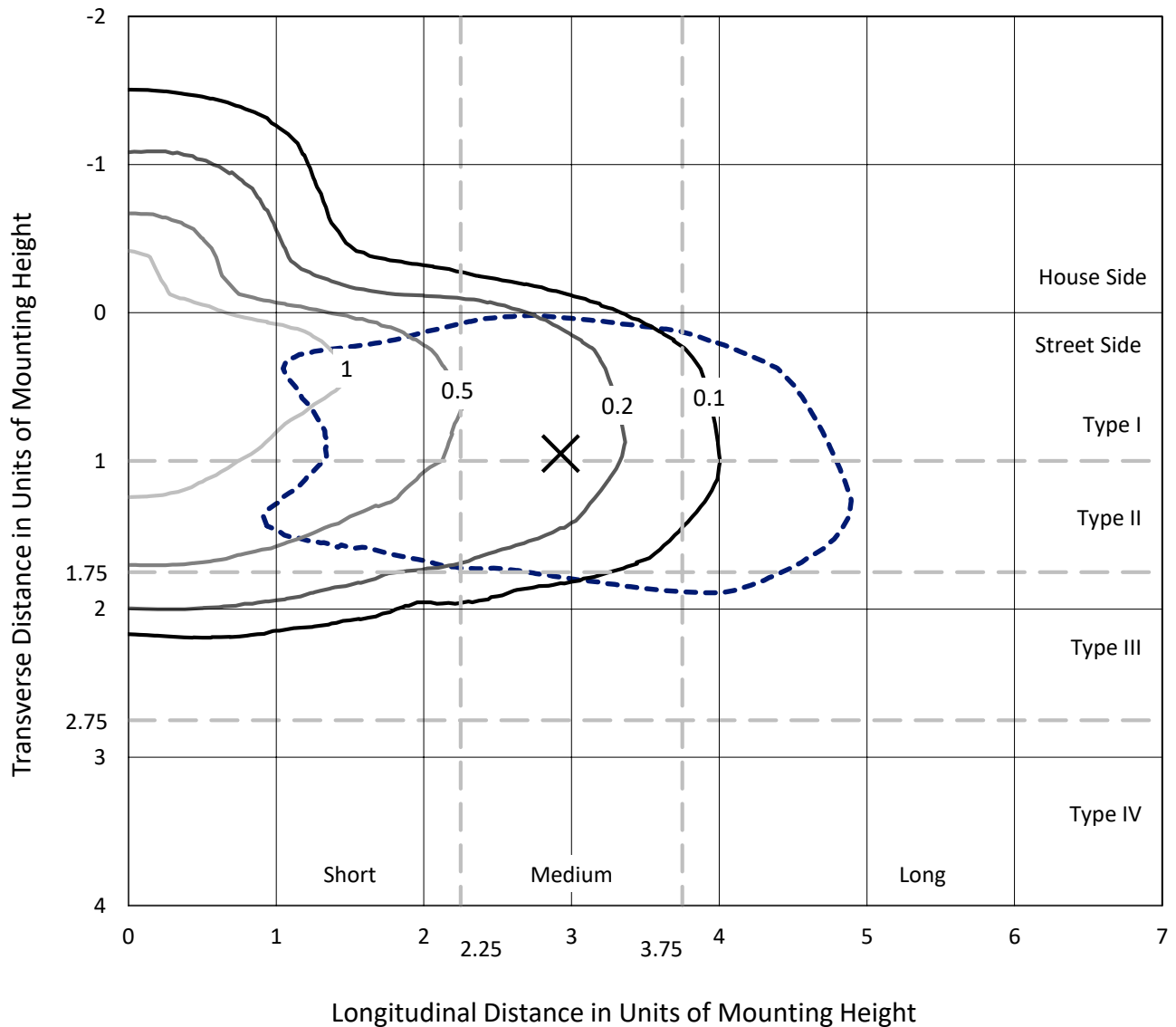
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

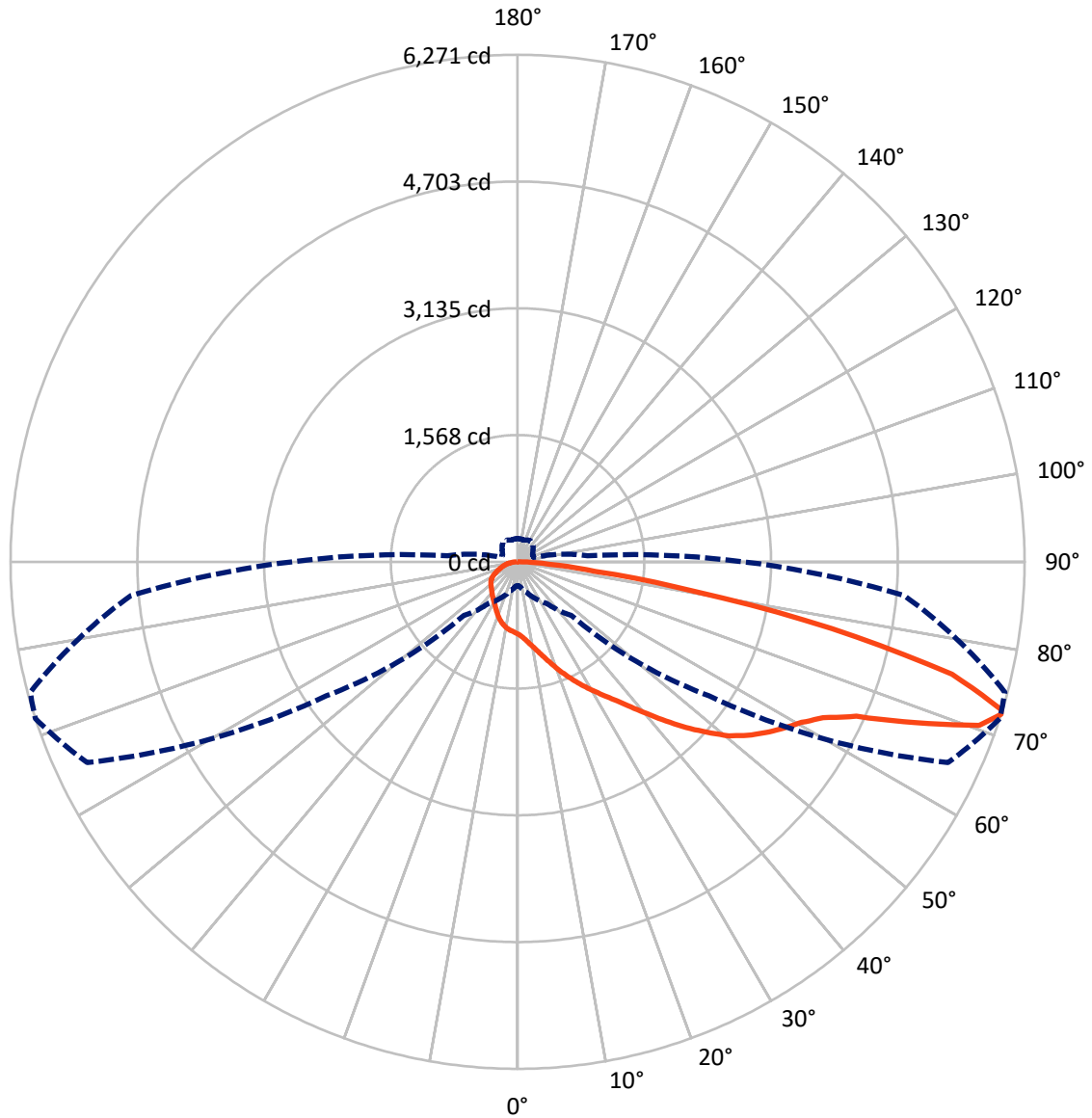
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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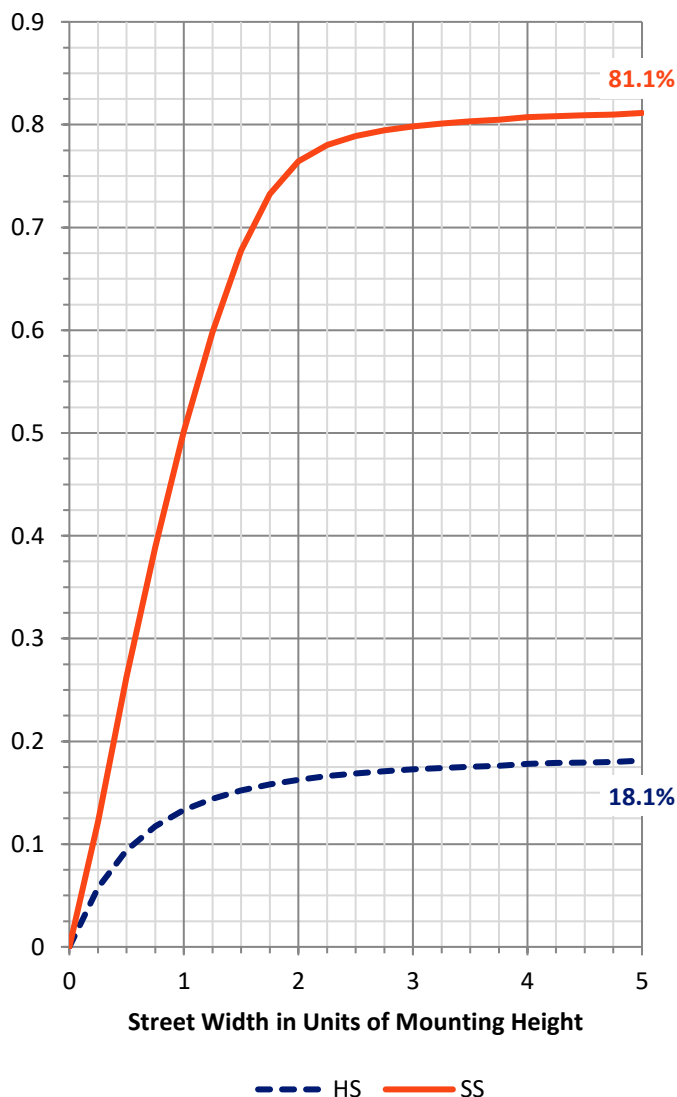
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1346.8	0.0	1346.8
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	5913.2	0.0	5913.2
	% Fixture	81.4	0.0	81.4
Total	Lumens	7260.0	0.0	7260.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	1.2
10°-20°	289.2	4.0
20°-30°	506.8	7.0
30°-40°	751.4	10.4
40°-50°	1099.0	15.1
50°-60°	1512.2	20.8
60°-70°	1683.6	23.2
70°-80°	1140.8	15.7
80°-90°	187.5	2.6
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°	7260.0	100.0
0°-180°	7260.0	100.0

Coefficient of Utilization

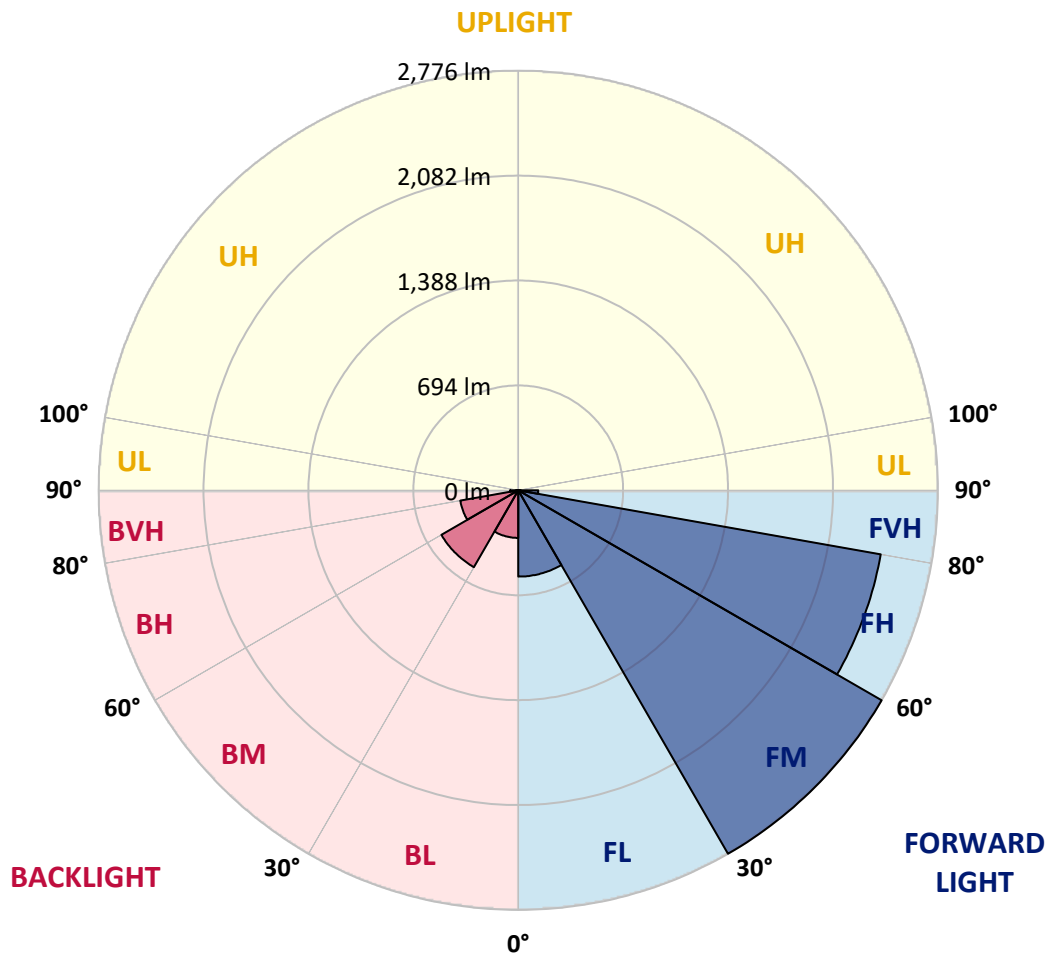


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	570.7	7.9			
FM (30°-60°)	2775.6	38.2			
FH (60°-80°)	2434.7	33.5			G2/5000
FVH (80°-90°)	132.3	1.8			G2/225
BL (0°-30°)	314.8	4.3	B1/500		
BM (30°-60°)	587.1	8.1	B1/1000		
BH (60°-80°)	389.6	5.4	B1/500		G1/500
BVH (80°-90°)	55.2	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2
2.5°	986.7	985.2	979.9	979.9	969.9	961.4	945.4	934.7	921.9	917.4	902.4
5°	1082.2	1082.7	1076.2	1071.7	1056.9	1038.9	1011.7	986.9	962.2	952.2	921.4
7.5°	1162.4	1161.4	1159.6	1155.9	1142.1	1123.6	1086.9	1050.2	1013.7	998.7	945.7
10°	1213.9	1216.1	1217.6	1219.4	1213.6	1200.4	1165.6	1120.9	1073.2	1052.7	974.7
12.5°	1239.9	1243.9	1250.9	1262.9	1272.4	1270.9	1245.6	1198.1	1141.4	1115.6	1010.9
15°	1255.1	1260.4	1271.4	1292.9	1319.6	1334.9	1328.1	1285.1	1221.9	1190.1	1055.2
17.5°	1264.6	1268.9	1285.9	1314.6	1354.4	1394.9	1412.6	1376.6	1312.9	1276.6	1105.9
20°	1271.1	1274.4	1295.6	1329.4	1380.9	1445.4	1494.9	1485.9	1413.1	1366.1	1158.9
22.5°	1285.6	1288.4	1308.6	1342.6	1399.6	1482.9	1574.1	1587.6	1518.9	1465.6	1215.6
25°	1326.1	1326.1	1343.1	1366.9	1420.4	1515.4	1641.1	1700.8	1626.9	1564.9	1268.1
27.5°	1403.4	1402.6	1408.9	1417.1	1457.6	1548.4	1700.8	1800.8	1738.8	1671.1	1319.1
30°	1494.9	1499.9	1500.6	1496.6	1515.6	1589.6	1756.1	1906.3	1851.6	1778.6	1371.4
32.5°	1612.6	1615.9	1612.1	1598.9	1596.1	1648.1	1810.3	2016.8	1973.6	1890.8	1419.1
35°	1762.1	1755.8	1744.1	1717.1	1691.3	1726.3	1872.3	2127.3	2110.6	2026.6	1484.9
37.5°	1922.3	1922.6	1908.1	1846.8	1811.3	1826.3	1957.8	2252.5	2276.3	2188.1	1569.1
40°	2050.8	2057.6	2066.6	1986.1	1940.1	1960.8	2066.6	2397.8	2472.3	2379.5	1678.8
42.5°	2140.6	2148.3	2173.8	2123.3	2075.6	2114.1	2194.6	2552.8	2692.3	2600.5	1807.3
45°	2235.5	2239.8	2257.8	2236.0	2205.6	2292.3	2338.8	2713.3	2925.0	2836.0	1951.1
47.5°	2335.5	2340.0	2358.5	2344.0	2328.0	2458.8	2489.3	2864.5	3148.0	3094.7	2104.6
50°	2459.0	2462.0	2479.5	2453.3	2458.3	2584.3	2623.8	3003.2	3381.7	3327.2	2258.5
52.5°	2627.5	2628.3	2652.5	2628.8	2605.3	2676.3	2739.5	3134.0	3564.9	3539.2	2412.5
55°	2759.5	2767.5	2847.0	2842.0	2828.5	2759.8	2836.2	3258.5	3728.4	3740.7	2576.0
57.5°	2675.3	2706.5	2867.5	2981.0	3091.5	2967.5	2967.0	3398.7	3880.4	3938.4	2755.8
60°	2343.0	2385.5	2622.8	2874.5	3220.2	3328.9	3238.5	3569.9	4033.9	4134.4	2981.0
62.5°	1673.3	1743.3	2064.8	2466.8	3043.7	3568.4	3790.9	3841.7	4242.6	4361.4	3273.7
65°	845.9	898.9	1168.4	1652.6	2431.8	3411.9	4391.4	4436.6	4605.3	4710.8	3724.4
67.5°	514.0	534.0	665.4	919.2	1490.9	2657.8	4587.3	5428.3	5307.3	5363.3	4367.1
70°	378.7	393.5	475.5	610.4	857.4	1559.6	3985.9	6135.9	6056.5	6050.2	4842.1
72°	295.0	305.7	378.2	493.2	626.9	935.7	2889.0	5874.7	6270.9	6239.4	4798.6
72.5°	279.7	289.2	355.2	464.2	592.4	848.2	2597.5	5698.5	6255.4	6241.2	4742.3
75°	220.2	227.0	263.0	359.0	463.7	481.2	1423.4	4416.1	5549.2	5780.0	4265.4
77.5°	182.2	183.2	202.2	261.2	361.5	340.2	699.2	3064.0	3973.6	4227.4	3021.5
80°	148.5	149.7	158.7	183.2	273.5	251.7	332.0	1761.8	2224.8	2227.5	1436.9
82.5°	118.2	118.5	128.5	134.0	196.5	180.0	190.2	827.2	972.2	935.2	516.5
85°	83.2	81.5	125.5	110.0	128.5	115.5	105.0	327.5	402.0	384.5	161.7
87.5°	27.7	28.7	55.7	71.2	75.0	65.5	46.7	125.5	151.7	150.5	51.2
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°	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2
2.5°	897.7	889.7	877.9	864.9	854.7	844.2	836.4	832.4	827.9	824.2	828.7
5°	907.2	892.2	867.2	842.7	824.7	808.7	797.2	791.2	785.7	781.9	782.4
7.5°	922.7	898.4	856.4	820.7	795.7	778.4	766.7	762.7	759.2	758.2	759.4
10°	939.2	903.4	842.2	794.7	766.2	751.9	746.7	749.4	751.9	754.2	756.7
12.5°	957.9	907.9	821.4	764.2	739.9	734.4	739.7	751.7	760.4	765.7	768.9
15°	982.4	911.9	797.4	733.7	717.4	723.7	741.4	762.2	777.4	787.2	788.7
17.5°	1004.9	911.7	766.7	702.9	699.2	717.4	744.2	773.4	793.9	807.7	810.4
20°	1028.2	904.9	730.9	672.9	680.7	710.7	745.4	780.7	805.4	821.4	825.2
22.5°	1049.9	893.2	691.7	645.7	665.2	701.7	740.7	776.4	801.2	814.2	818.2
25°	1064.7	872.7	651.9	622.7	651.4	690.7	725.2	753.9	772.4	778.9	779.9
27.5°	1072.2	845.9	614.4	602.7	637.2	672.7	696.4	710.7	715.9	715.4	714.4
30°	1073.2	810.7	582.2	586.4	620.7	646.2	657.4	654.7	647.9	636.4	637.4
32.5°	1069.9	770.9	555.2	570.9	599.7	613.9	614.4	601.2	583.2	564.9	559.9
35°	1070.9	731.9	531.5	553.5	574.2	580.4	574.7	555.2	530.7	507.2	502.2
37.5°	1081.9	697.9	511.0	533.2	546.0	547.5	539.2	518.7	500.7	477.7	475.7
40°	1108.2	673.7	491.5	510.5	517.7	518.5	506.7	492.2	493.7	481.5	481.2
42.5°	1155.4	663.2	474.2	486.7	491.2	492.7	483.7	474.5	487.5	479.5	476.7
45°	1216.4	665.7	459.7	463.5	471.7	478.7	473.2	462.0	467.0	432.2	420.7
47.5°	1286.9	681.7	448.2	443.5	457.7	471.0	462.5	445.5	427.7	393.2	386.7
50°	1369.4	706.4	437.7	423.7	442.5	460.5	452.0	427.7	401.0	384.2	382.0
52.5°	1455.4	736.7	427.2	402.0	423.2	452.5	448.2	423.7	390.7	374.2	371.2
55°	1552.9	767.2	414.0	376.7	402.5	448.7	446.5	409.2	383.0	373.7	371.5
57.5°	1674.1	801.9	396.5	350.5	383.0	435.2	428.2	400.5	375.0	368.0	367.2
60°	1832.1	853.2	371.2	322.5	359.2	414.5	413.0	387.7	362.2	357.2	356.2
62.5°	2069.1	937.9	336.5	294.5	332.7	379.2	393.0	370.5	348.7	348.5	349.0
65°	2436.5	1065.4	298.7	270.0	306.0	349.5	369.7	352.7	335.0	340.0	340.7
67.5°	2862.5	1171.1	261.7	246.0	278.7	321.2	348.7	335.0	316.7	329.7	330.0
70°	3004.2	1076.7	229.2	222.2	250.5	294.0	326.0	315.5	297.0	310.0	308.7
72°	2795.7	869.2	208.2	204.2	229.2	271.5	305.7	297.2	279.0	287.7	284.5
72.5°	2730.0	828.7	203.0	199.7	223.5	265.7	300.5	292.7	274.5	282.0	279.0
75°	2435.3	719.7	174.5	175.2	195.0	237.7	271.0	268.5	249.7	250.5	249.5
77.5°	1766.3	527.7	147.0	152.0	166.0	209.0	241.2	239.7	219.2	215.5	214.7
80°	819.7	269.2	119.7	122.0	136.5	174.7	205.7	203.7	187.2	182.5	179.7
82.5°	280.7	128.0	90.0	91.5	105.7	140.7	178.5	177.2	163.5	154.2	148.5
85°	100.2	63.7	63.0	61.5	75.5	110.7	155.5	148.7	128.5	109.5	109.0
87.5°	32.5	27.2	32.5	32.2	44.0	75.0	113.0	96.2	93.2	77.5	76.0
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)