

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: P318045

Luminaire Tested: **GAN-SA1C-730-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318045
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-SA1C-730-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6618 lumens
Efficiency: N/A
Efficacy: 112.2 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

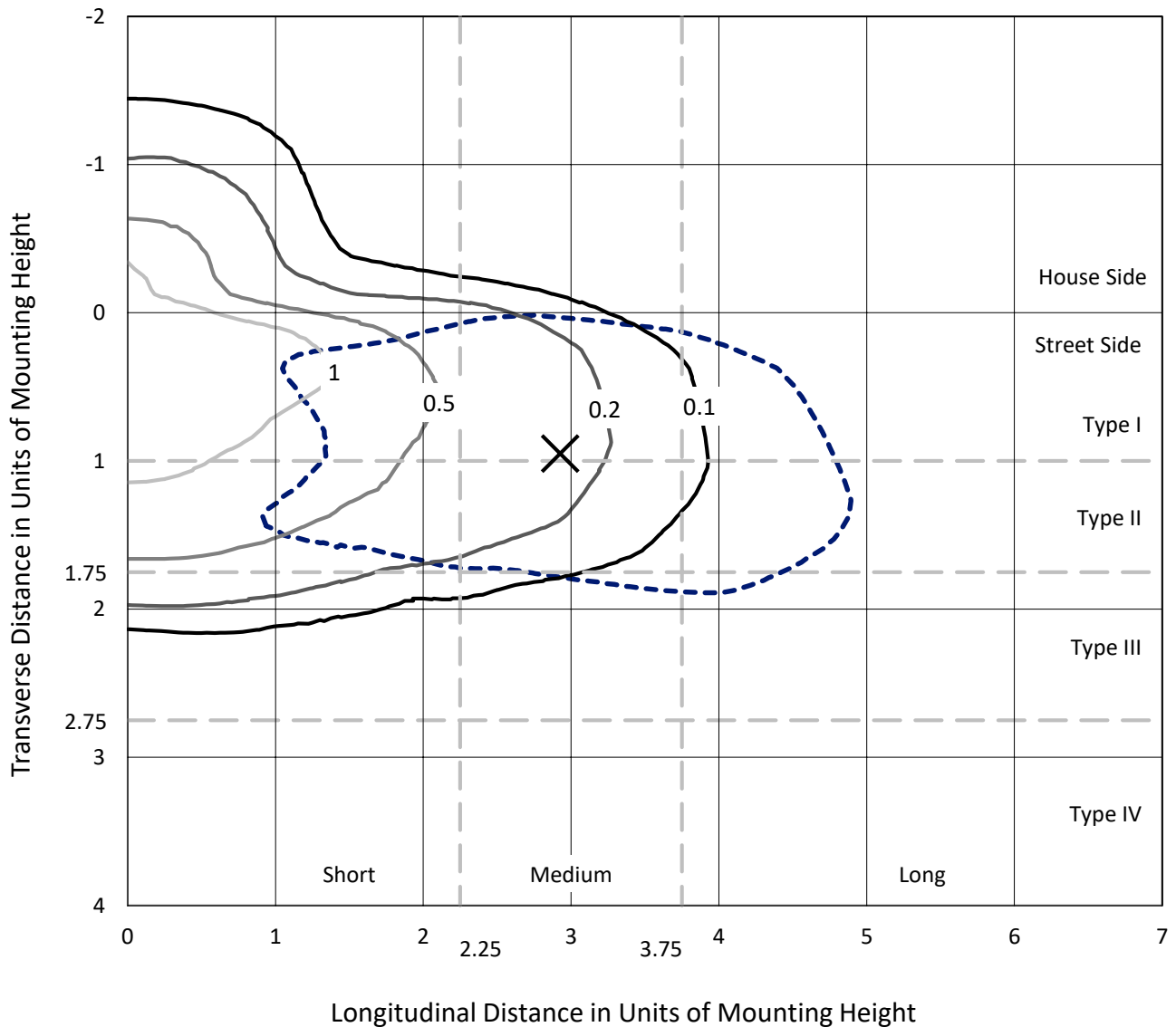
Input Watts (W): 59
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

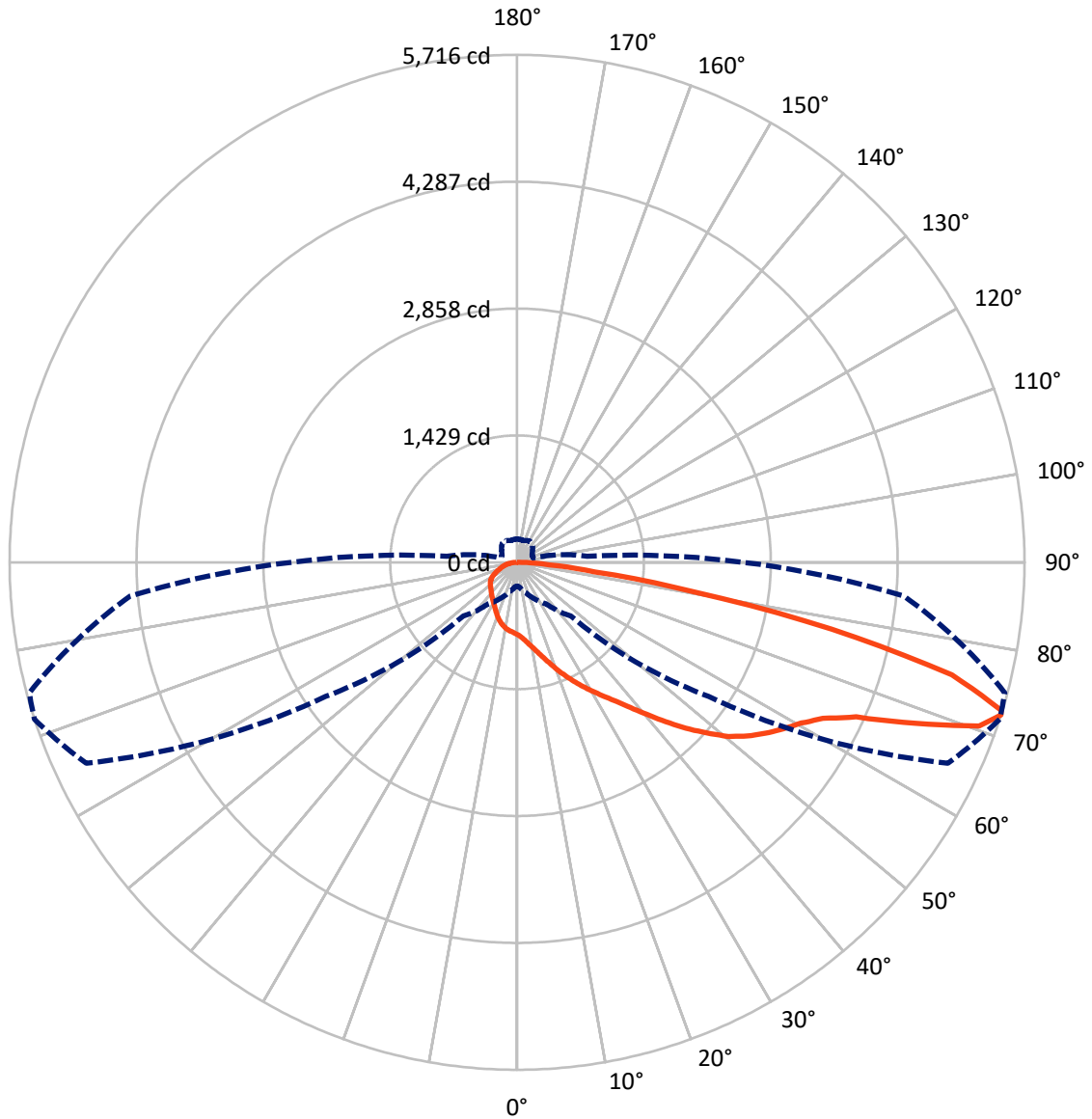
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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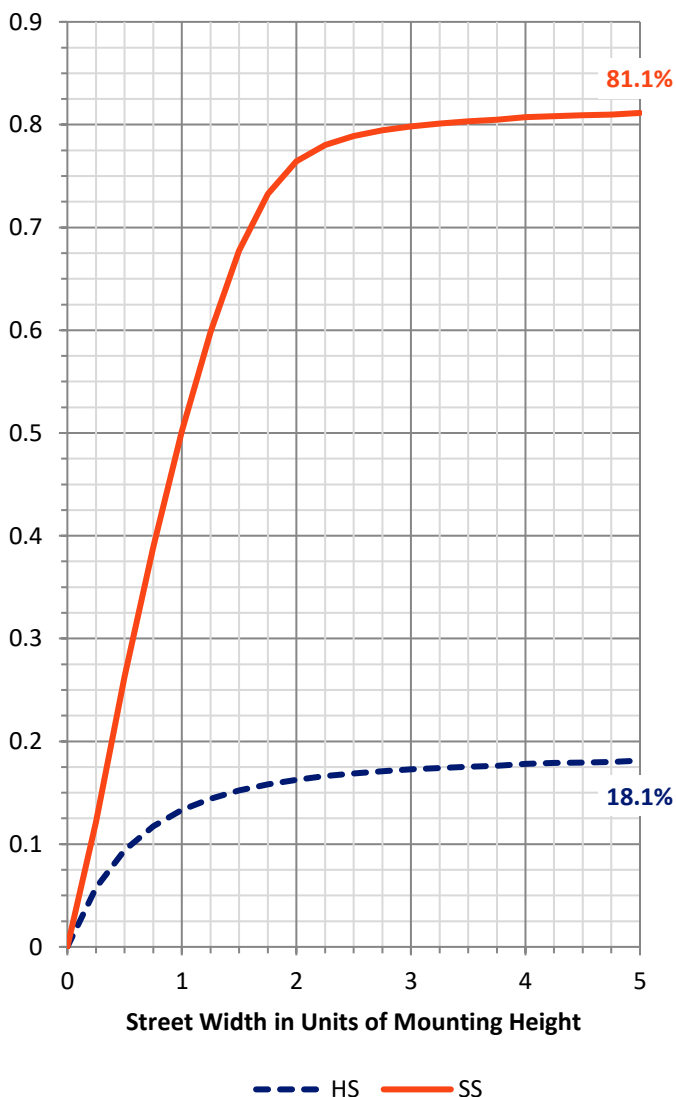
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1227.7	0.0	1227.7
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	5390.3	0.0	5390.3
	% Fixture	81.4	0.0	81.4
Total	Lumens	6618.0	0.0	6618.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	1.2
10°-20°	263.6	4.0
20°-30°	462.0	7.0
30°-40°	685.0	10.4
40°-50°	1001.8	15.1
50°-60°	1378.5	20.8
60°-70°	1534.7	23.2
70°-80°	1039.9	15.7
80°-90°	170.9	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°	6618.0	100.0
0°-180°	6618.0	100.0

Coefficient of Utilization

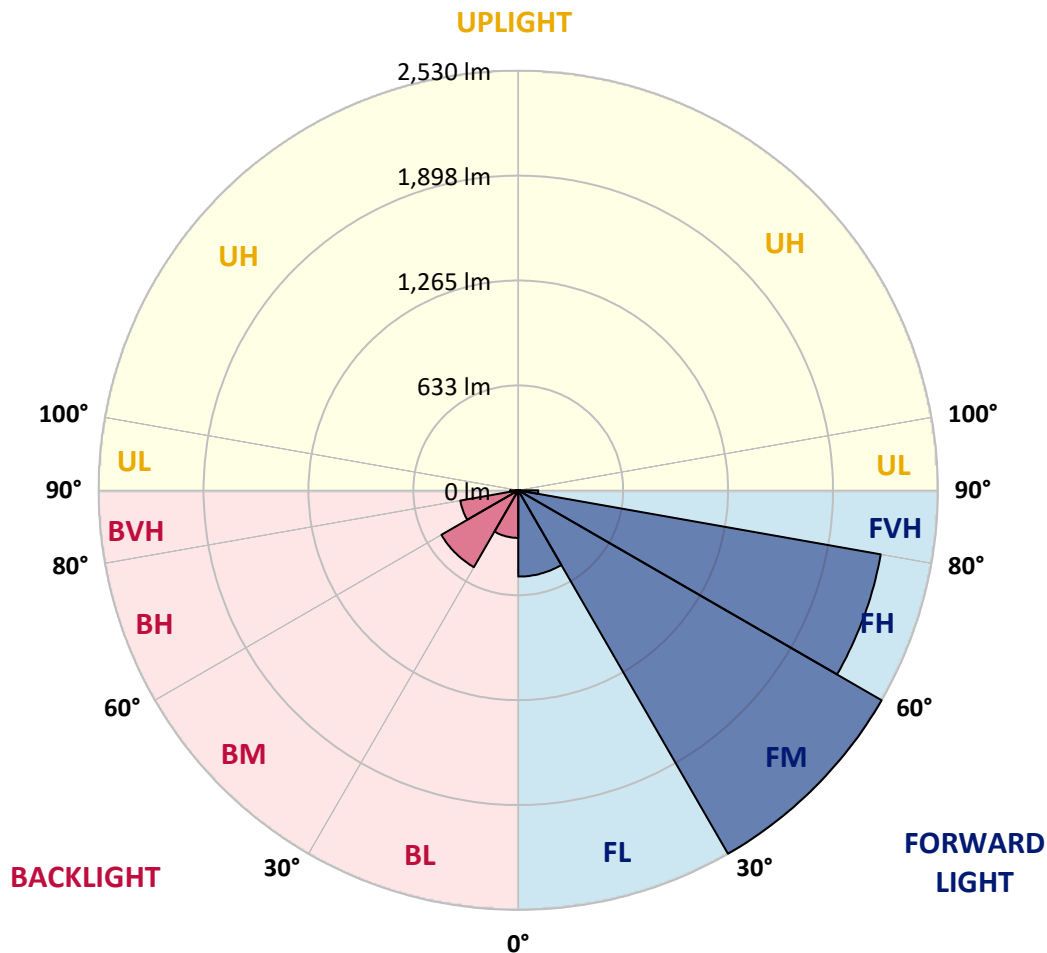


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	520.2	7.9			
FM (30°-60°)	2530.1	38.2			
FH (60°-80°)	2219.4	33.5			G2/5000
FVH (80°-90°)	120.6	1.8			G2/225
BL (0°-30°)	287.0	4.3	B1/500		
BM (30°-60°)	535.2	8.1	B1/1000		
BH (60°-80°)	355.2	5.4	B1/500		G1/500
BVH (80°-90°)	50.4	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°	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2
2.5°	899.4	898.0	893.3	893.3	884.1	876.4	861.8	852.0	840.4	836.3	822.6
5°	986.5	986.9	981.0	976.9	963.4	947.0	922.2	899.6	877.1	868.0	839.9
7.5°	1059.6	1058.7	1057.1	1053.7	1041.1	1024.3	990.8	957.3	924.0	910.3	862.0
10°	1106.5	1108.6	1110.0	1111.6	1106.3	1094.2	1062.6	1021.8	978.3	959.6	888.5
12.5°	1130.2	1133.9	1140.3	1151.2	1159.9	1158.5	1135.5	1092.2	1040.5	1017.0	921.5
15°	1144.1	1148.9	1159.0	1178.6	1202.9	1216.8	1210.7	1171.5	1113.8	1084.9	961.8
17.5°	1152.8	1156.7	1172.2	1198.4	1234.6	1271.5	1287.7	1254.9	1196.8	1163.7	1008.1
20°	1158.7	1161.7	1181.1	1211.8	1258.8	1317.6	1362.7	1354.5	1288.2	1245.3	1056.4
22.5°	1171.9	1174.5	1192.9	1223.9	1275.9	1351.7	1434.9	1447.2	1384.6	1336.0	1108.1
25°	1208.9	1208.9	1224.4	1246.0	1294.8	1381.4	1496.0	1550.4	1483.0	1426.5	1156.0
27.5°	1279.3	1278.6	1284.3	1291.8	1328.7	1411.4	1550.4	1641.6	1585.1	1523.3	1202.5
30°	1362.7	1367.2	1367.9	1364.3	1381.6	1449.0	1600.8	1737.8	1687.8	1621.3	1250.1
32.5°	1470.0	1473.0	1469.5	1457.5	1455.0	1502.4	1650.2	1838.5	1799.0	1723.6	1293.6
35°	1606.3	1600.6	1589.9	1565.3	1541.8	1573.7	1706.8	1939.2	1923.9	1847.4	1353.6
37.5°	1752.3	1752.6	1739.3	1683.5	1651.2	1664.8	1784.7	2053.4	2075.0	1994.6	1430.4
40°	1869.5	1875.6	1883.8	1810.4	1768.5	1787.4	1883.8	2185.7	2253.7	2169.1	1530.4
42.5°	1951.3	1958.3	1981.6	1935.5	1892.0	1927.1	2000.5	2327.0	2454.2	2370.6	1647.5
45°	2037.9	2041.7	2058.1	2038.3	2010.5	2089.6	2132.0	2473.3	2666.3	2585.2	1778.5
47.5°	2129.0	2133.1	2150.0	2136.8	2122.2	2241.3	2269.1	2611.2	2869.6	2821.1	1918.5
50°	2241.6	2244.3	2260.3	2236.3	2240.9	2355.7	2391.7	2737.7	3082.7	3033.0	2058.8
52.5°	2395.2	2395.8	2417.9	2396.3	2374.9	2439.6	2497.2	2856.8	3249.7	3226.2	2199.2
55°	2515.5	2522.8	2595.2	2590.7	2578.4	2515.7	2585.4	2970.3	3398.7	3409.9	2348.2
57.5°	2438.7	2467.2	2613.9	2717.4	2818.1	2705.1	2704.6	3098.1	3537.3	3590.1	2512.1
60°	2135.8	2174.6	2390.8	2620.3	2935.4	3034.6	2952.1	3254.2	3677.2	3768.8	2717.4
62.5°	1525.4	1589.2	1882.2	2248.6	2774.6	3252.9	3455.7	3501.9	3867.4	3975.7	2984.2
65°	771.1	819.4	1065.1	1506.5	2216.7	3110.2	4003.0	4044.3	4198.1	4294.2	3395.1
67.5°	468.5	486.7	606.6	837.9	1359.0	2422.7	4181.7	4948.2	4838.0	4889.0	3980.9
70°	345.2	358.7	433.4	556.5	781.6	1421.7	3633.4	5593.3	5520.9	5515.2	4413.9
72°	268.9	278.7	344.8	449.6	571.5	852.9	2633.5	5355.2	5716.4	5687.7	4374.2
72.5°	255.0	263.6	323.8	423.2	540.1	773.2	2367.8	5194.6	5702.3	5689.3	4323.0
75°	200.8	206.9	239.7	327.2	422.7	438.7	1297.5	4025.6	5058.5	5268.9	3888.2
77.5°	166.1	167.0	184.3	238.1	329.5	310.1	637.4	2793.0	3622.3	3853.5	2754.3
80°	135.4	136.5	144.7	167.0	249.3	229.5	302.6	1606.0	2028.1	2030.6	1309.8
82.5°	107.8	108.0	117.1	122.1	179.1	164.1	173.4	754.0	886.2	852.5	470.8
85°	75.9	74.3	114.4	100.3	117.1	105.3	95.7	298.5	366.4	350.5	147.4
87.5°	25.3	26.2	50.8	64.9	68.4	59.7	42.6	114.4	138.3	137.2	46.7
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°	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2	814.2
2.5°	818.3	811.0	800.3	788.4	779.1	769.5	762.5	758.8	754.7	751.3	755.4
5°	826.9	813.3	790.5	768.2	751.7	737.2	726.7	721.2	716.2	712.8	713.2
7.5°	841.1	819.0	780.7	748.1	725.3	709.6	698.9	695.2	692.0	691.1	692.3
10°	856.1	823.5	767.7	724.4	698.4	685.4	680.7	683.2	685.4	687.5	689.8
12.5°	873.2	827.6	748.8	696.6	674.5	669.5	674.3	685.2	693.2	698.0	700.9
15°	895.5	831.3	726.9	668.8	654.0	659.7	675.9	694.8	708.7	717.6	718.9
17.5°	916.0	831.0	698.9	640.8	637.4	654.0	678.4	705.0	723.7	736.3	738.8
20°	937.2	824.9	666.3	613.4	620.5	647.8	679.5	711.6	734.2	748.8	752.2
22.5°	957.1	814.2	630.5	588.6	606.4	639.6	675.2	707.8	730.3	742.2	745.8
25°	970.5	795.5	594.3	567.6	593.8	629.6	661.1	687.3	704.1	710.0	711.0
27.5°	977.3	771.1	560.1	549.4	580.8	613.2	634.9	647.8	652.6	652.2	651.3
30°	978.3	739.0	530.7	534.6	565.8	589.0	599.3	596.8	590.6	580.2	581.1
32.5°	975.3	702.8	506.1	520.5	546.7	559.7	560.1	548.0	531.6	515.0	510.4
35°	976.2	667.2	484.5	504.5	523.4	529.1	523.9	506.1	483.8	462.4	457.8
37.5°	986.2	636.2	465.8	486.1	497.7	499.0	491.5	472.8	456.4	435.5	433.6
40°	1010.2	614.1	448.0	465.3	471.9	472.6	461.9	448.7	450.0	438.9	438.7
42.5°	1053.2	604.5	432.3	443.7	447.8	449.1	440.9	432.5	444.4	437.1	434.6
45°	1108.8	606.8	419.1	422.5	430.0	436.4	431.4	421.1	425.7	394.0	383.5
47.5°	1173.1	621.4	408.6	404.2	417.2	429.3	421.6	406.1	389.9	358.4	352.5
50°	1248.3	644.0	399.0	386.2	403.3	419.7	412.0	389.9	365.5	350.2	348.2
52.5°	1326.7	671.5	389.4	366.4	385.8	412.4	408.6	386.2	356.2	341.1	338.4
55°	1415.5	699.3	377.4	343.4	366.9	409.0	407.0	373.0	349.1	340.7	338.6
57.5°	1526.1	731.0	361.4	319.5	349.1	396.7	390.3	365.1	341.8	335.4	334.7
60°	1670.1	777.7	338.4	294.0	327.5	377.8	376.4	353.4	330.2	325.6	324.7
62.5°	1886.1	855.0	306.7	268.4	303.3	345.7	358.2	337.7	317.9	317.7	318.1
65°	2221.1	971.2	272.3	246.1	278.9	318.6	337.0	321.5	305.3	309.9	310.6
67.5°	2609.4	1067.6	238.6	224.2	254.1	292.8	317.9	305.3	288.7	300.6	300.8
70°	2738.6	981.4	209.0	202.6	228.3	268.0	297.1	287.6	270.7	282.6	281.4
72°	2548.5	792.3	189.8	186.2	209.0	247.5	278.7	270.9	254.3	262.3	259.3
72.5°	2488.6	755.4	185.0	182.1	203.7	242.2	273.9	266.8	250.2	257.0	254.3
75°	2219.9	656.0	159.1	159.7	177.7	216.7	247.0	244.7	227.6	228.3	227.4
77.5°	1610.1	481.0	134.0	138.5	151.3	190.5	219.9	218.5	199.8	196.4	195.7
80°	747.2	245.4	109.2	111.2	124.4	159.3	187.5	185.7	170.7	166.3	163.8
82.5°	255.9	116.7	82.0	83.4	96.4	128.3	162.7	161.6	149.0	140.6	135.4
85°	91.4	58.1	57.4	56.1	68.8	100.9	141.7	135.6	117.1	99.8	99.4
87.5°	29.6	24.8	29.6	29.4	40.1	68.4	103.0	87.7	85.0	70.6	69.3
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)