

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: P526086

Luminaire Tested: **GLAN-SA1A-730-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-730-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3593 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 33
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

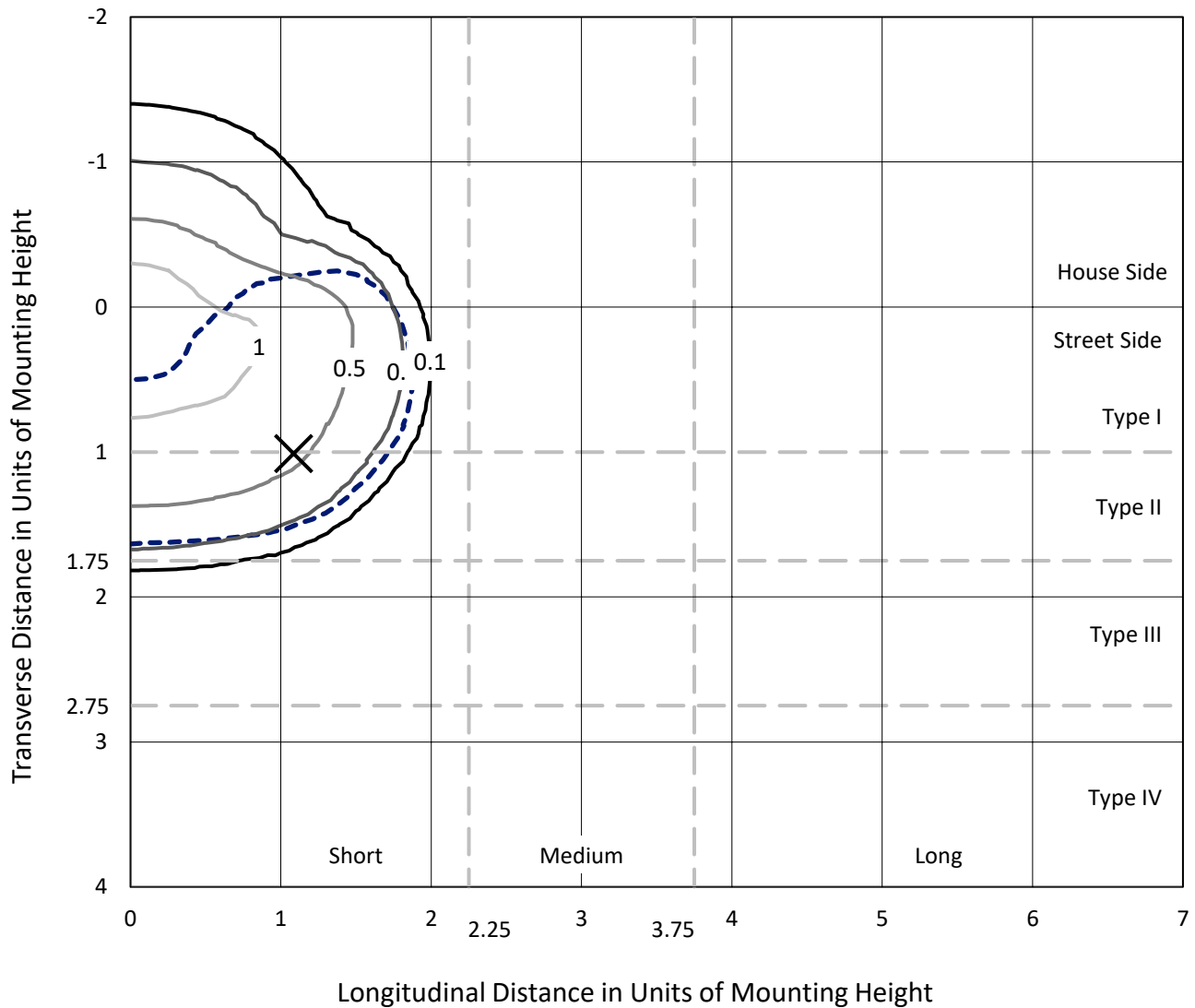


REPORT NUMBER: P526086

CATALOG NUMBER: GLAN-SA1A-730-U-T3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

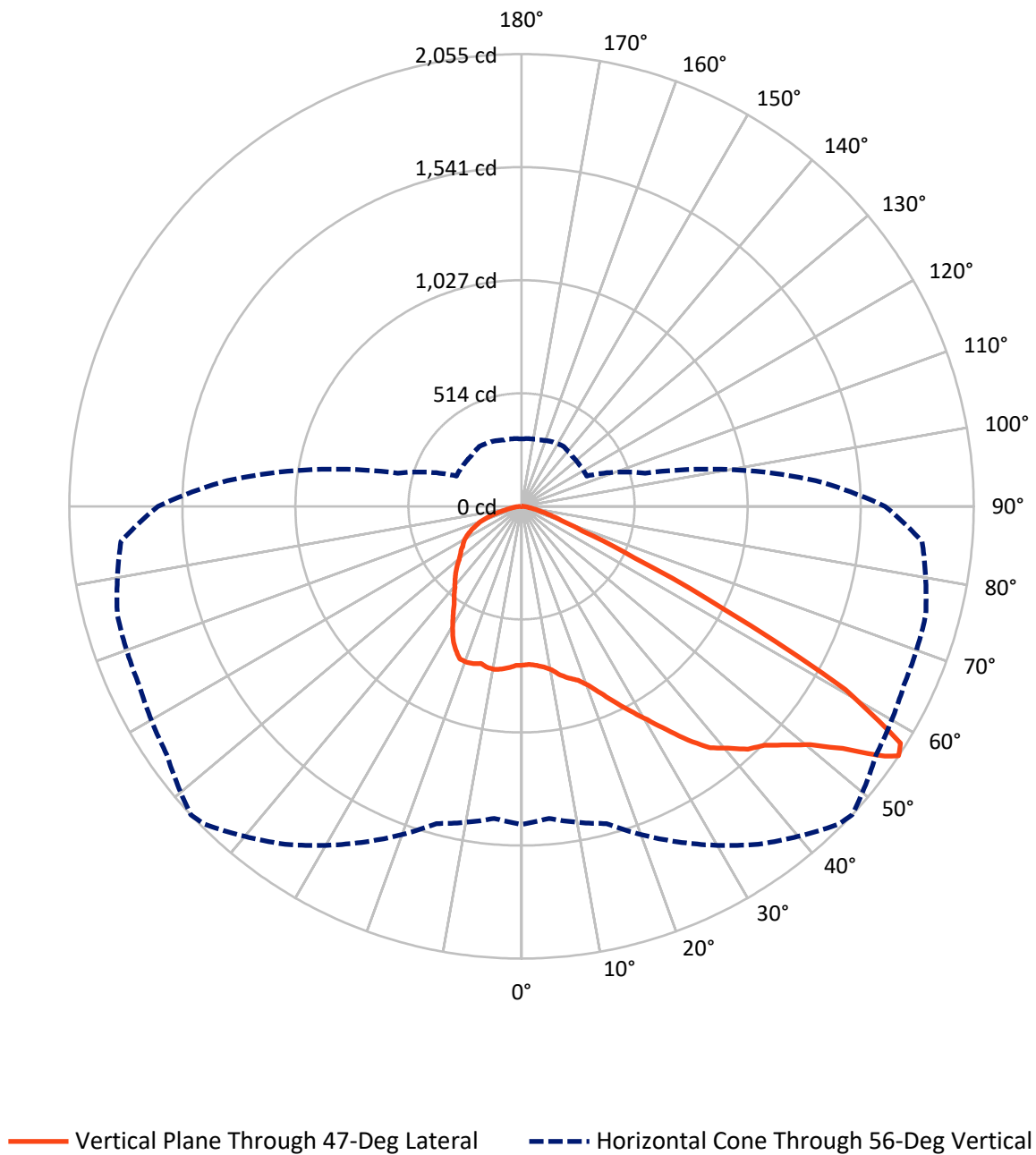
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type II - Short - N/A

REPORT NUMBER: P526086
CATALOG NUMBER: GLAN-SA1A-730-U-T3-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P526086

CATALOG NUMBER: GLAN-SA1A-730-U-T3-GRSWH

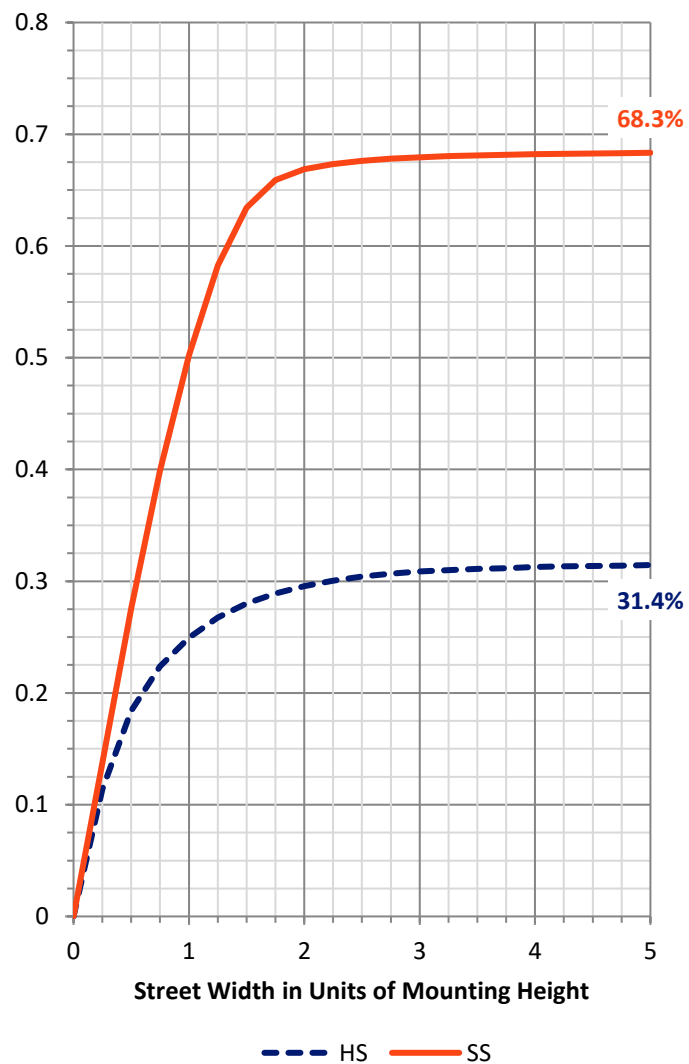
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1138.6	0.0	1138.6
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	2454.4	0.0	2454.4
	% Fixture	68.3	0.0	68.3
Total	Lumens	3593.0	0.0	3593.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	2.0
10°-20°	221.8	6.2
20°-30°	392.1	10.9
30°-40°	589.0	16.4
40°-50°	808.3	22.5
50°-60°	963.0	26.8
60°-70°	412.1	11.5
70°-80°	116.6	3.2
80°-90°	19.6	0.5
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°	3593.0	100.0
0°-180°	3593.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526086

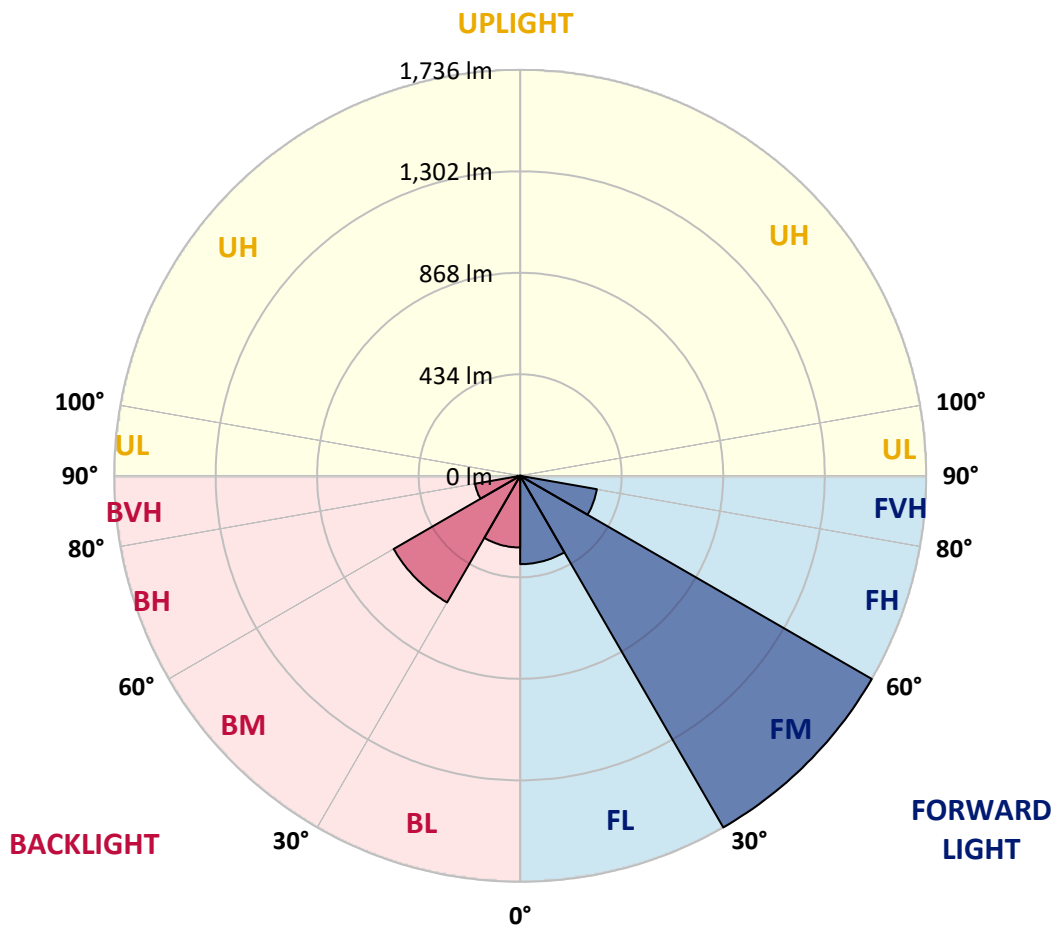
CATALOG NUMBER: GLAN-SA1A-730-U-T3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	377.7	10.5			
FM	(30°-60°)	1735.5	48.3			
FH	(60°-80°)	332.8	9.3			G0/660
FVH	(80°-90°)	8.3	0.2			G0/10
BL	(0°-30°)	306.6	8.5	B1/500		
BM	(30°-60°)	624.8	17.4	B1/1000		
BH	(60°-80°)	195.9	5.5	B1/500		G1/500
BVH	(80°-90°)	11.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



REPORT NUMBER: P526086

CATALOG NUMBER: GLAN-SA1A-730-U-T3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	721.7	721.7	721.7	721.7	721.7	721.7	721.7	721.7	721.7	721.7	721.7
2.5°	719.0	717.6	716.7	724.0	721.3	721.7	719.0	721.7	723.6	719.4	725.4
5°	717.6	721.7	718.1	720.3	726.3	724.5	726.3	731.8	730.4	729.1	727.2
7.5°	730.4	730.9	733.6	734.6	736.4	734.6	737.3	742.3	741.0	733.2	734.1
10°	748.8	749.7	750.1	755.2	758.4	758.8	755.6	751.1	750.6	761.1	753.8
12.5°	769.8	767.5	773.0	774.9	778.5	782.7	786.8	777.2	783.1	783.6	774.9
15°	800.5	802.8	796.4	796.4	797.8	798.3	809.7	805.1	804.2	799.2	802.8
17.5°	846.4	830.8	830.3	823.9	823.0	826.7	830.8	834.5	846.8	836.7	817.0
20°	879.8	883.5	870.2	862.4	863.8	872.0	867.9	884.4	893.1	876.6	857.4
22.5°	938.9	926.6	929.8	912.4	913.7	922.4	922.0	938.9	944.0	917.9	889.9
25°	978.8	975.6	978.3	964.6	966.4	973.3	984.3	1012.2	1004.0	975.1	910.5
27.5°	1037.0	1030.6	1028.3	1023.2	1021.4	1039.7	1052.6	1082.4	1076.4	1034.2	947.2
30°	1096.6	1092.4	1094.7	1074.1	1081.4	1120.4	1124.1	1164.8	1162.1	1087.9	988.0
32.5°	1137.8	1140.1	1144.2	1132.8	1165.3	1196.5	1208.8	1255.1	1257.4	1180.0	1066.8
35°	1204.2	1196.5	1198.8	1212.0	1227.2	1284.0	1304.1	1334.8	1354.1	1276.7	1142.4
37.5°	1245.9	1254.2	1244.6	1265.7	1305.1	1373.3	1391.7	1423.3	1443.4	1372.0	1245.5
40°	1311.0	1297.7	1304.6	1319.7	1360.0	1448.9	1443.9	1476.4	1482.9	1453.1	1341.7
42.5°	1381.1	1374.7	1365.1	1399.5	1433.4	1498.0	1508.1	1492.9	1525.5	1532.3	1479.2
45°	1465.0	1472.8	1474.2	1475.1	1504.9	1561.2	1547.5	1534.2	1571.8	1621.7	1564.4
47.5°	1542.9	1518.1	1536.0	1560.8	1602.9	1603.4	1619.4	1587.8	1627.7	1672.1	1641.4
50°	1569.0	1557.1	1580.9	1627.7	1692.7	1699.6	1701.4	1656.5	1677.2	1712.4	1668.0
52.5°	1558.9	1554.8	1615.7	1688.1	1783.5	1818.3	1827.5	1772.0	1783.5	1767.4	1726.6
55°	1510.8	1523.2	1584.6	1732.1	1878.3	1986.0	2003.4	1933.3	1860.4	1872.8	1827.9
56°	1444.8	1423.3	1492.0	1682.2	1874.2	2040.5	2054.7	1967.2	1917.7	1901.7	1827.0
57.5°	1225.8	1197.8	1288.1	1513.6	1770.2	2019.9	2030.5	1981.4	1908.1	1875.6	1693.6
60°	717.6	731.3	845.9	1043.9	1365.5	1656.1	1691.4	1727.1	1678.1	1532.3	1260.6
62.5°	346.4	337.7	419.7	598.5	832.2	1057.2	1046.6	1147.0	1202.0	1088.8	796.0
65°	181.5	180.5	229.1	326.7	457.3	555.4	565.0	619.1	694.7	560.9	404.2
67.5°	133.3	137.0	161.3	229.6	294.2	300.1	298.8	325.8	333.1	281.8	248.4
70°	104.5	106.3	124.2	174.6	219.0	196.1	192.0	195.2	216.7	225.9	214.9
72.5°	75.6	77.4	92.6	117.8	137.0	133.8	136.6	154.4	181.0	190.6	179.2
75°	50.4	51.8	60.0	71.9	81.1	87.5	92.6	113.2	137.9	143.4	137.9
77.5°	34.8	36.2	41.7	50.9	51.8	55.9	57.7	67.4	82.5	89.4	85.7
80°	19.7	19.7	22.5	26.1	32.1	37.6	38.5	46.3	53.2	57.7	58.7
82.5°	9.2	9.6	11.9	16.0	21.1	26.1	27.0	32.1	37.1	41.7	43.1
85°	4.6	5.0	6.9	9.6	12.8	15.6	15.1	15.6	16.5	15.6	16.0
87.5°	1.4	1.4	1.8	2.3	1.8	2.3	2.3	2.7	3.2	3.7	4.1
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: P526086

CATALOG NUMBER: GLAN-SA1A-730-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	721.7	721.7	721.7	721.7	721.7	721.7	721.7	721.7	721.7	721.7	721.7
2.5°	725.8	727.2	718.1	726.8	723.6	723.1	729.5	728.6	730.9	730.0	724.5
5°	726.3	723.1	732.7	724.0	728.1	736.8	730.9	744.6	737.8	742.3	732.3
7.5°	740.5	741.4	739.6	743.3	741.4	745.6	742.3	745.6	740.1	740.5	749.7
10°	752.9	750.1	753.3	748.8	752.0	750.6	743.3	741.0	742.8	740.5	746.5
12.5°	775.8	770.8	768.5	763.0	759.3	745.6	734.1	727.7	736.4	737.8	735.0
15°	799.2	799.6	789.1	776.7	753.8	733.2	735.9	738.2	738.2	741.9	735.0
17.5°	813.8	813.8	804.2	779.5	756.1	744.2	741.4	734.1	727.7	726.8	726.3
20°	839.5	831.7	809.7	779.0	755.2	749.7	729.1	711.6	698.4	693.8	693.3
22.5°	868.8	849.1	818.4	779.9	753.8	746.0	707.5	681.4	657.6	647.5	648.9
25°	895.9	864.2	823.5	775.8	748.8	711.2	668.1	631.9	607.2	598.9	594.8
27.5°	914.6	880.3	823.5	779.5	730.0	672.2	628.2	582.0	560.4	554.9	555.8
30°	939.8	900.4	837.7	771.7	692.4	621.8	569.1	538.9	526.1	521.5	524.7
32.5°	999.0	953.1	857.4	752.9	647.9	571.4	528.8	511.9	493.1	483.9	480.7
35°	1063.1	1003.1	876.6	721.3	598.0	525.6	499.0	483.4	461.0	450.9	452.7
37.5°	1153.8	1067.2	878.0	669.0	543.9	499.9	475.7	451.4	433.0	417.5	412.9
40°	1276.2	1154.8	874.8	614.0	500.4	469.7	451.8	421.6	401.0	390.0	392.3
42.5°	1383.9	1257.4	861.5	551.7	461.0	449.1	428.9	399.1	379.0	367.5	366.6
45°	1474.6	1333.0	836.3	498.6	428.0	426.2	402.8	379.9	363.8	353.3	357.9
47.5°	1558.5	1394.0	798.3	445.4	397.8	401.4	379.0	364.8	354.7	345.1	344.6
50°	1588.7	1393.0	764.8	401.4	373.5	371.6	370.7	355.6	345.1	336.8	340.5
52.5°	1639.1	1408.6	728.6	371.2	351.5	351.9	355.1	344.1	332.2	327.2	331.8
55°	1711.5	1410.9	648.9	335.9	333.1	336.3	336.3	329.0	318.9	314.8	312.5
56°	1652.4	1342.6	582.0	326.7	324.0	324.0	332.7	324.4	312.1	308.9	306.1
57.5°	1524.1	1176.3	487.1	315.7	311.6	318.0	322.6	313.9	302.4	297.9	300.6
60°	1051.2	796.0	366.1	291.9	291.9	302.4	306.1	293.3	288.2	287.8	284.1
62.5°	613.6	463.7	286.4	270.4	271.3	280.0	282.7	275.4	269.0	276.8	280.4
65°	325.3	276.8	245.6	247.4	247.9	254.8	266.7	266.2	265.8	268.1	268.5
67.5°	235.5	230.0	223.2	221.3	222.2	227.3	239.2	248.4	247.9	242.4	238.3
70°	209.9	202.1	198.0	198.4	194.8	200.7	210.3	216.3	205.7	199.3	196.6
72.5°	174.6	172.3	169.5	170.0	162.7	161.3	150.3	150.3	147.6	145.7	148.9
75°	133.3	132.4	133.8	131.5	123.7	115.5	109.1	103.1	93.9	90.3	88.4
77.5°	84.3	87.1	90.3	85.2	82.0	76.1	69.7	63.7	56.4	52.2	52.2
80°	57.3	59.6	61.9	60.9	57.3	51.8	46.7	40.3	35.3	32.1	31.6
82.5°	43.5	45.4	48.6	44.9	41.2	36.7	32.5	28.0	23.4	19.7	19.7
85°	15.6	17.9	19.7	21.5	22.9	23.4	20.2	16.5	13.3	10.5	10.1
87.5°	4.1	4.6	5.0	4.6	4.6	4.6	5.0	4.6	4.1	3.2	3.2
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)