

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: P530893

Luminaire Tested: **GLAN-SA6A-827-U-T2R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6A-827-U-T2R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13184 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G1

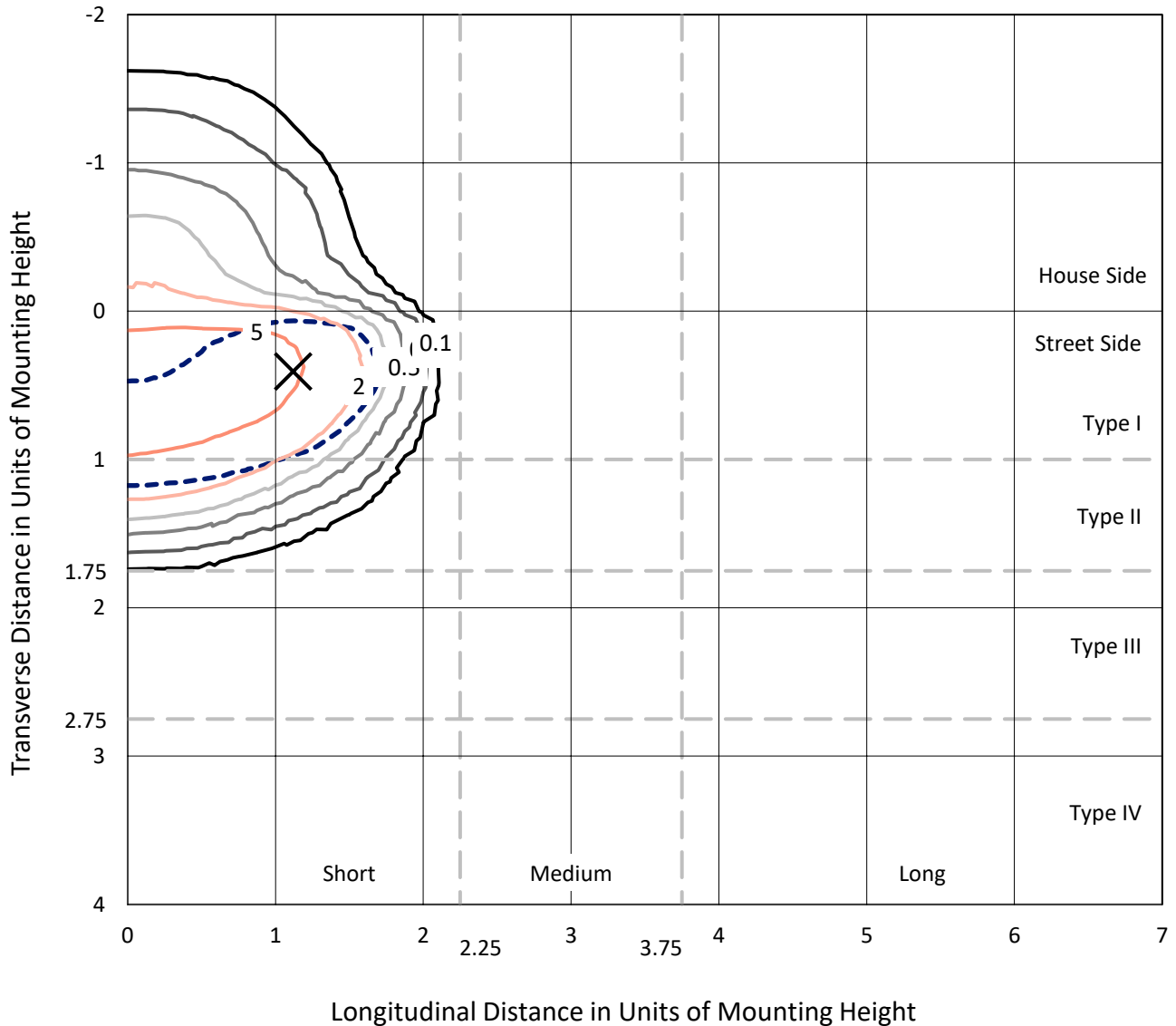
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530893
 CATALOG NUMBER: GLAN-SA6A-827-U-T2R-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

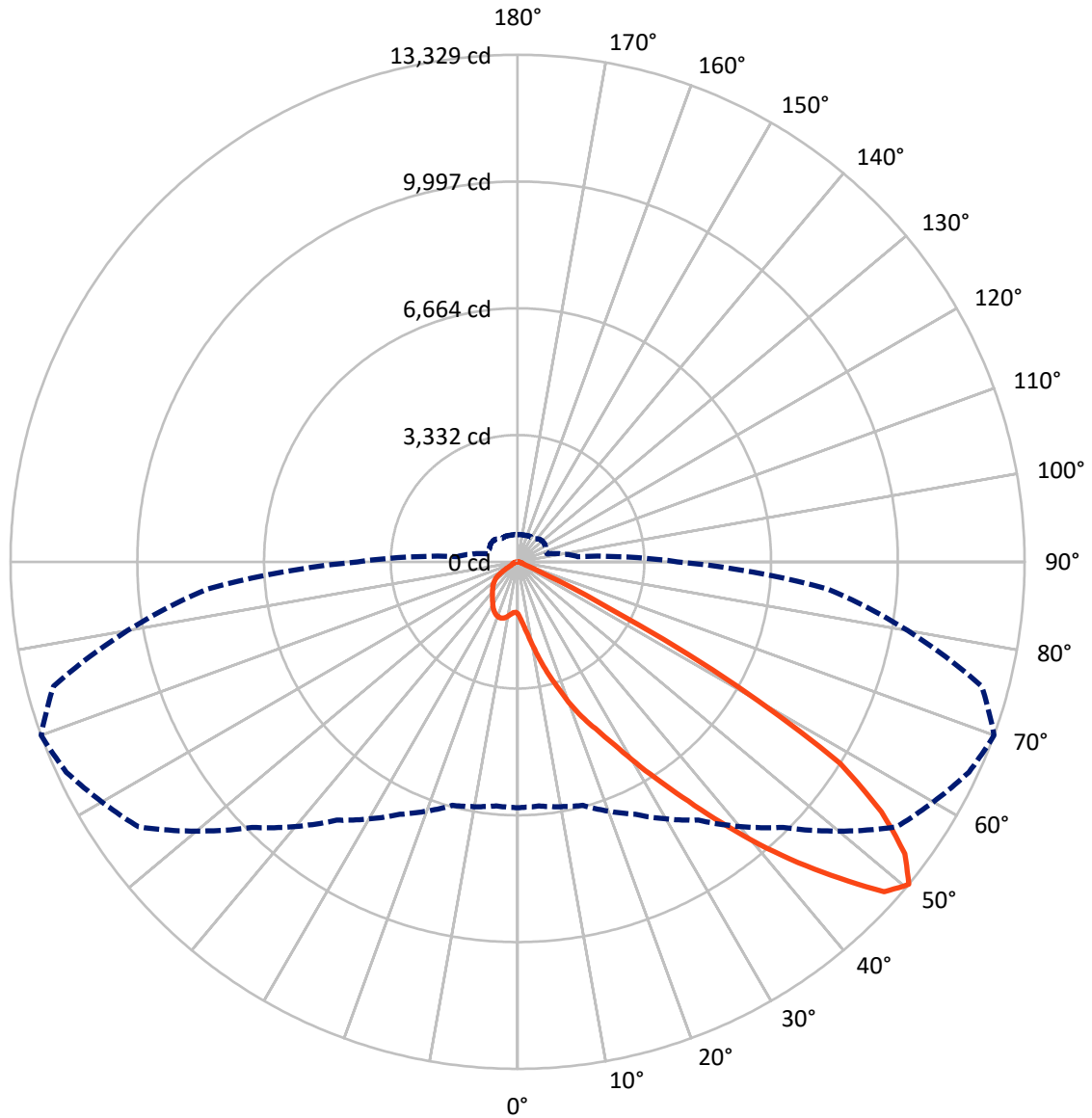
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type I - Short - N/A

REPORT NUMBER: P530893
CATALOG NUMBER: GLAN-SA6A-827-U-T2R-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P530893
 CATALOG NUMBER: GLAN-SA6A-827-U-T2R-GRSBK

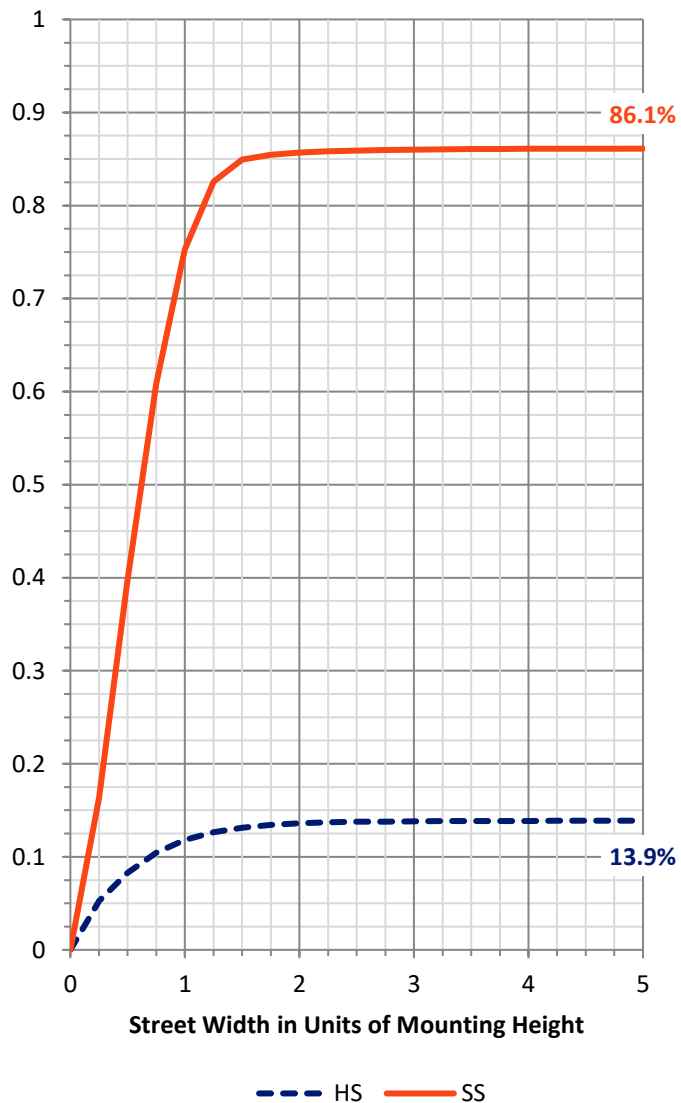
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1841.2	0.0	1841.2
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	11342.8	0.0	11342.8
	% Fixture	86.0	0.0	86.0
Total	Lumens	13184.0	0.0	13184.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.6	1.3
10°-20°	768.1	5.8
20°-30°	1611.4	12.2
30°-40°	2777.6	21.1
40°-50°	4059.4	30.8
50°-60°	3161.6	24.0
60°-70°	535.7	4.1
70°-80°	73.6	0.6
80°-90°	19.1	0.1
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°	13184.0	100.0
0°-180°	13184.0	100.0

Coefficient of Utilization



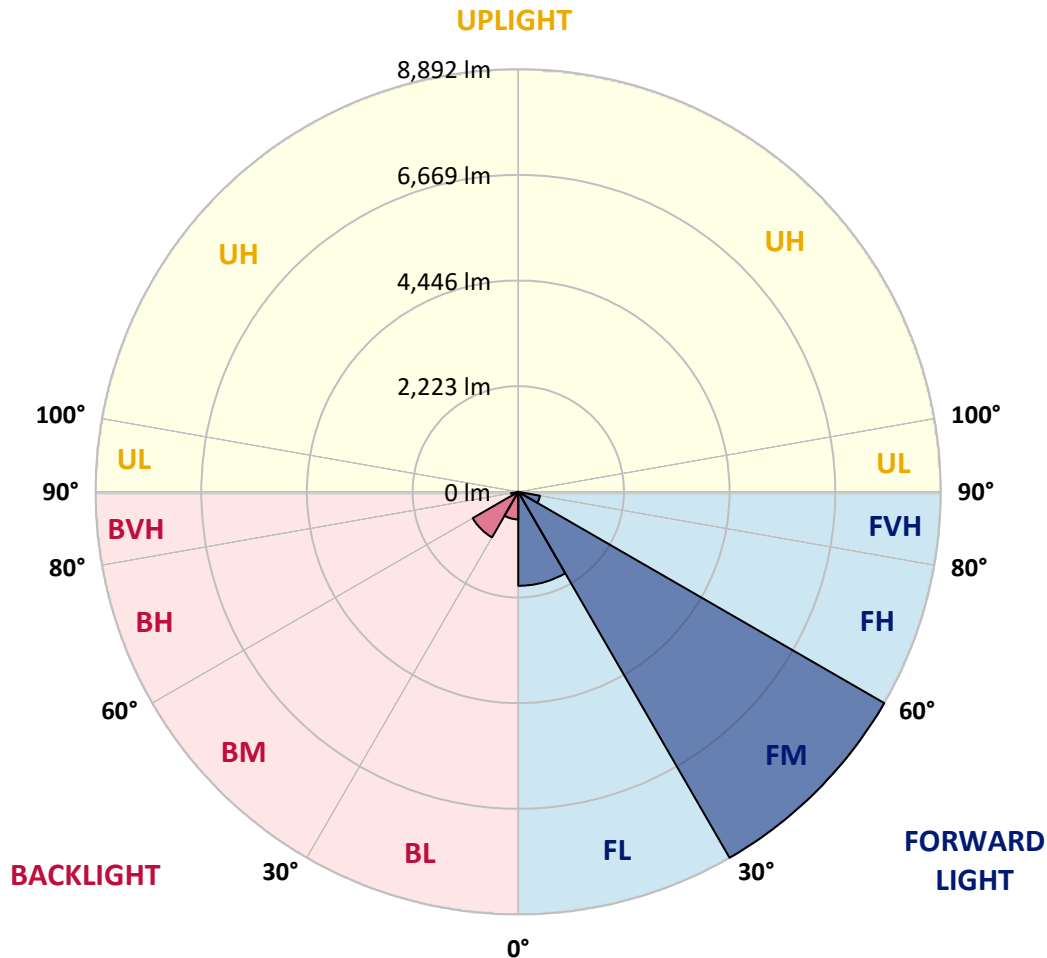
REPORT NUMBER: P530893
 CATALOG NUMBER: GLAN-SA6A-827-U-T2R-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1977.8	15.0			
FM (30°-60°)	8892.4	67.4			
FH (60°-80°)	463.8	3.5			G0/660
FVH (80°-90°)	8.8	0.1			G0/10
BL (0°-30°)	579.4	4.4	B2/1000		
BM (30°-60°)	1106.2	8.4	B2/2500		
BH (60°-80°)	145.4	1.1	B1/500		G1/500
BVH (80°-90°)	10.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type I Short





REPORT NUMBER: P530893

CATALOG NUMBER: GLAN-SA6A-827-U-T2R-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6
2.5°	1788.3	1775.3	1747.1	1695.1	1673.4	1621.4	1591.0	1532.5	1495.7	1454.5	1409.0
5°	2518.8	2451.6	2410.4	2351.9	2180.6	2074.4	1898.8	1749.3	1679.9	1604.0	1500.0
7.5°	3273.1	3229.8	3173.4	3047.7	2930.6	2709.5	2408.2	2078.8	1937.9	1807.8	1601.9
10°	3897.4	3776.0	3769.5	3676.3	3548.4	3283.9	2922.0	2512.3	2260.8	2070.1	1747.1
12.5°	4333.1	4222.5	4272.4	4261.5	4142.3	3899.6	3481.2	2939.3	2677.0	2380.1	1896.7
15°	4729.8	4684.2	4669.1	4656.1	4608.4	4428.5	4053.5	3459.5	3080.2	2722.5	2065.7
17.5°	5117.8	5000.7	5057.1	5067.9	5063.6	4901.0	4549.8	3953.7	3507.2	3084.5	2243.5
20°	5462.4	5473.2	5397.4	5382.2	5369.2	5362.7	5020.2	4443.6	4031.8	3463.9	2475.4
22.5°	5904.6	5828.7	5895.9	5852.6	5768.0	5716.0	5453.7	4877.2	4487.0	3921.2	2711.7
25°	6427.0	6487.7	6329.5	6312.1	6218.9	6039.0	5802.7	5362.7	4924.8	4346.1	2967.5
27.5°	7070.8	6964.6	6923.4	6828.0	6658.9	6583.1	6305.6	5863.4	5453.7	4792.6	3214.6
30°	7623.5	7595.4	7389.4	7276.7	7129.3	7127.1	6739.1	6541.9	6143.0	5492.8	3554.9
32.5°	8074.4	7950.8	7875.0	7796.9	7677.7	7710.2	7382.9	7278.9	6877.9	6143.0	3955.9
35°	8375.7	8286.8	8241.3	8122.1	8087.4	8232.6	8096.1	8052.7	7723.2	7057.8	4426.3
37.5°	8471.1	8499.3	8490.6	8341.0	8414.7	8807.1	8982.6	8869.9	8696.5	8022.4	4935.7
40°	8555.6	8575.1	8531.8	8707.3	8917.6	9364.1	9999.2	9812.8	9747.8	9000.0	5644.5
42.5°	8603.3	8588.1	8588.1	8891.6	9210.2	10107.6	10981.2	10857.6	10807.8	10040.4	6463.9
45°	8397.4	8250.0	8408.2	8820.1	9461.7	10474.0	11765.9	11937.1	11865.6	11278.1	7421.9
47.5°	7627.9	7718.9	7807.8	8358.4	9156.0	10361.2	12247.1	12830.2	12962.4	12318.6	8050.6
50°	6463.9	6444.3	6628.6	7322.2	8291.2	9875.7	12153.9	13088.1	13328.7	12630.7	8182.8
52.5°	4701.6	4844.6	5044.1	5733.4	6882.2	8618.5	10950.8	12422.7	12743.5	12247.1	8096.1
55°	2737.7	2579.5	3028.2	3611.3	4695.1	6500.7	9257.9	11011.5	11605.5	11549.1	7658.2
57.5°	1096.8	1062.1	1216.0	1638.7	2449.4	4029.6	6732.6	9047.7	9999.2	10578.0	6730.5
60°	481.2	470.4	552.7	667.6	1001.4	1857.7	3682.8	5627.2	6619.9	7391.6	4632.2
62.5°	346.8	342.5	383.7	424.9	528.9	808.5	1547.7	2267.3	2826.6	3414.0	2074.4
65°	279.6	290.5	318.6	340.3	390.2	448.7	546.2	630.8	773.8	802.0	457.4
67.5°	227.6	236.3	262.3	286.1	294.8	242.8	251.4	221.1	221.1	197.3	158.2
70°	166.9	169.1	199.4	227.6	182.1	97.5	171.2	171.2	153.9	147.4	134.4
72.5°	123.6	125.7	149.6	140.9	71.5	60.7	125.7	138.7	125.7	119.2	108.4
75°	91.0	93.2	78.0	32.5	30.3	39.0	73.7	95.4	91.0	88.9	82.4
77.5°	17.3	13.0	10.8	15.2	21.7	32.5	47.7	58.5	60.7	65.0	60.7
80°	2.2	2.2	6.5	13.0	23.8	34.7	49.9	56.4	58.5	60.7	56.4
82.5°	0.0	2.2	6.5	13.0	23.8	32.5	43.4	49.9	54.2	56.4	54.2
85°	0.0	2.2	4.3	10.8	19.5	23.8	21.7	15.2	13.0	15.2	10.8
87.5°	0.0	0.0	2.2	2.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3
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: P530893

CATALOG NUMBER: GLAN-SA6A-827-U-T2R-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6	1365.6
2.5°	1382.9	1374.3	1343.9	1311.4	1283.2	1296.2	1283.2	1272.4	1276.7	1272.4	1268.1
5°	1458.8	1419.8	1354.8	1326.6	1302.7	1300.6	1294.1	1291.9	1294.1	1294.1	1274.6
7.5°	1530.3	1467.5	1398.1	1367.8	1339.6	1341.8	1326.6	1326.6	1324.4	1313.6	1309.2
10°	1638.7	1554.2	1465.3	1411.1	1376.4	1369.9	1354.8	1339.6	1339.6	1339.6	1317.9
12.5°	1757.9	1651.7	1530.3	1467.5	1426.3	1393.8	1369.9	1365.6	1341.8	1337.4	1326.6
15°	1862.0	1727.6	1573.7	1487.0	1435.0	1391.6	1354.8	1330.9	1320.1	1313.6	1304.9
17.5°	1963.9	1792.6	1597.5	1487.0	1430.6	1380.8	1341.8	1320.1	1294.1	1298.4	1281.1
20°	2100.4	1862.0	1604.0	1458.8	1389.4	1341.8	1289.7	1278.9	1263.7	1250.7	1255.1
22.5°	2232.7	1911.8	1584.5	1424.1	1324.4	1268.1	1242.0	1229.0	1222.5	1211.7	1196.5
25°	2351.9	1966.0	1554.2	1361.3	1255.1	1213.9	1190.0	1187.9	1172.7	1172.7	1144.5
27.5°	2473.3	1985.5	1502.2	1287.6	1194.4	1170.5	1159.7	1155.3	1148.8	1133.7	1114.2
30°	2612.0	1992.0	1426.3	1211.7	1140.2	1114.2	1129.3	1140.2	1112.0	1083.8	1092.5
32.5°	2726.9	1976.9	1335.3	1140.2	1101.2	1088.1	1118.5	1129.3	1096.8	1066.5	1051.3
35°	2865.6	1940.0	1246.4	1083.8	1062.1	1088.1	1114.2	1114.2	1049.1	1012.3	1003.6
37.5°	3075.9	1898.8	1164.0	1036.1	1021.0	1075.1	1109.8	1086.0	984.1	938.6	927.7
40°	3301.3	1872.8	1083.8	988.4	999.3	1053.5	1073.0	999.3	895.2	867.0	858.4
42.5°	3628.6	1820.8	1012.3	947.3	979.8	1023.1	1023.1	890.9	851.9	836.7	834.5
45°	4036.1	1784.0	949.4	912.6	951.6	962.4	927.7	834.5	806.4	802.0	804.2
47.5°	4235.5	1712.4	884.4	871.4	899.6	901.7	810.7	789.0	765.2	758.7	754.3
50°	4205.2	1584.5	799.9	817.2	856.2	834.5	739.2	743.5	721.8	719.7	708.8
52.5°	3992.8	1382.9	715.3	756.5	799.9	737.0	680.6	676.3	676.3	648.1	637.3
55°	3539.7	1114.2	613.4	665.5	717.5	619.9	604.8	600.4	589.6	563.6	557.1
57.5°	2802.7	817.2	461.7	518.1	609.1	526.7	524.6	505.1	476.9	457.4	457.4
60°	1666.9	470.4	290.5	316.5	403.2	427.0	474.7	466.0	418.4	388.0	379.3
62.5°	760.8	242.8	184.2	188.6	216.8	277.5	372.8	431.4	364.2	312.1	307.8
65°	255.8	179.9	151.7	145.2	149.6	166.9	223.3	305.6	290.5	240.6	231.9
67.5°	156.1	160.4	143.1	132.2	132.2	130.1	127.9	138.7	171.2	166.9	169.1
70°	134.4	147.4	132.2	119.2	114.9	108.4	91.0	75.9	65.0	75.9	80.2
72.5°	108.4	117.1	112.7	101.9	91.0	82.4	65.0	49.9	36.8	32.5	32.5
75°	80.2	86.7	91.0	78.0	69.4	58.5	47.7	32.5	19.5	13.0	13.0
77.5°	58.5	65.0	67.2	60.7	52.0	41.2	30.3	21.7	10.8	4.3	4.3
80°	49.9	58.5	65.0	60.7	54.2	39.0	28.2	15.2	8.7	2.2	2.2
82.5°	47.7	58.5	65.0	58.5	52.0	36.8	28.2	17.3	6.5	2.2	2.2
85°	10.8	15.2	19.5	23.8	28.2	28.2	21.7	13.0	6.5	2.2	2.2
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	2.2	2.2	0.0
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)