

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: McGRAW-EDISON

Report Number: P940756

Luminaire Tested: **GALN-SB4A-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4A-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11648 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 114
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

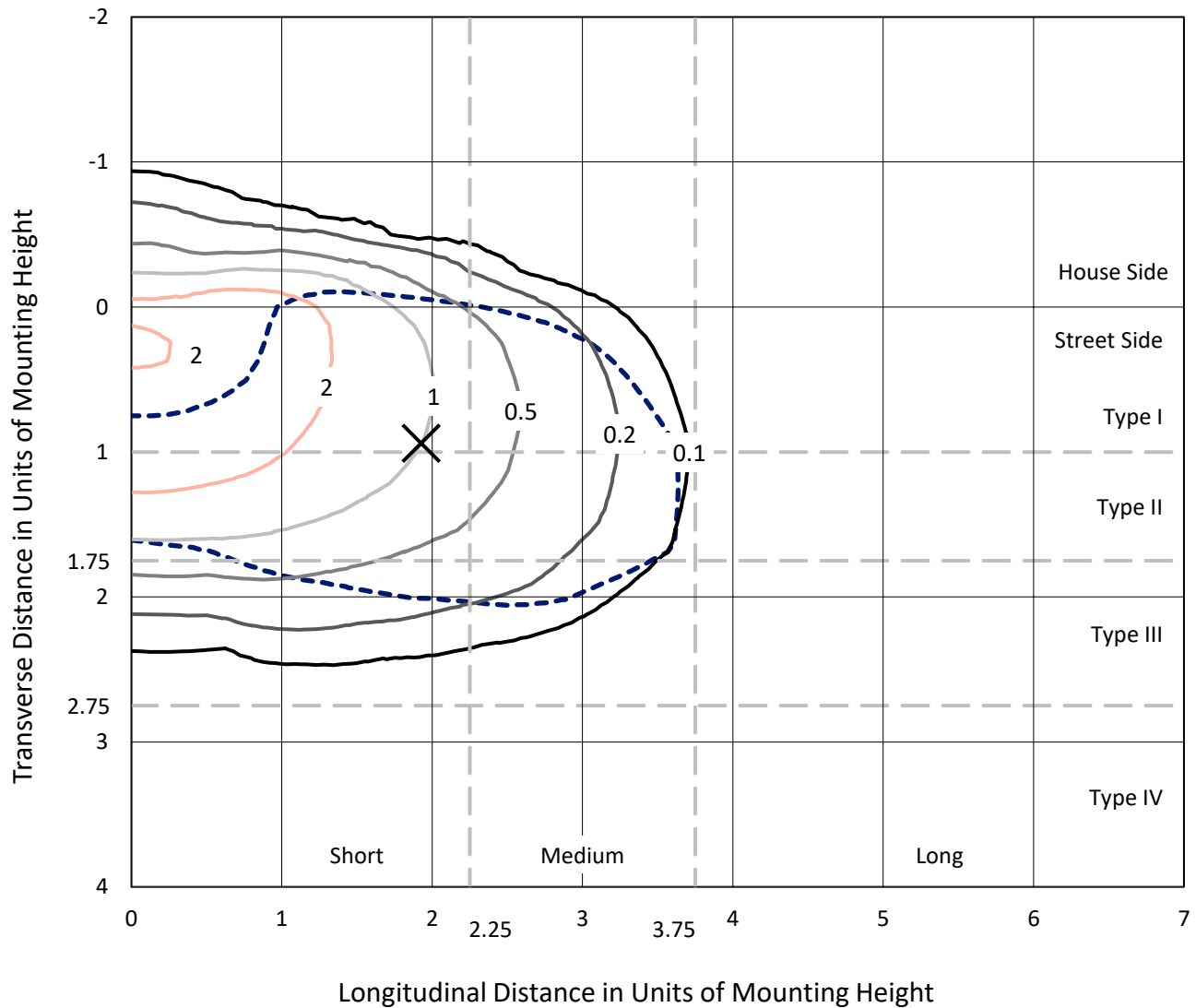


REPORT NUMBER: P940756

CATALOG NUMBER: GALN-SB4A-722-U-T3-HSS

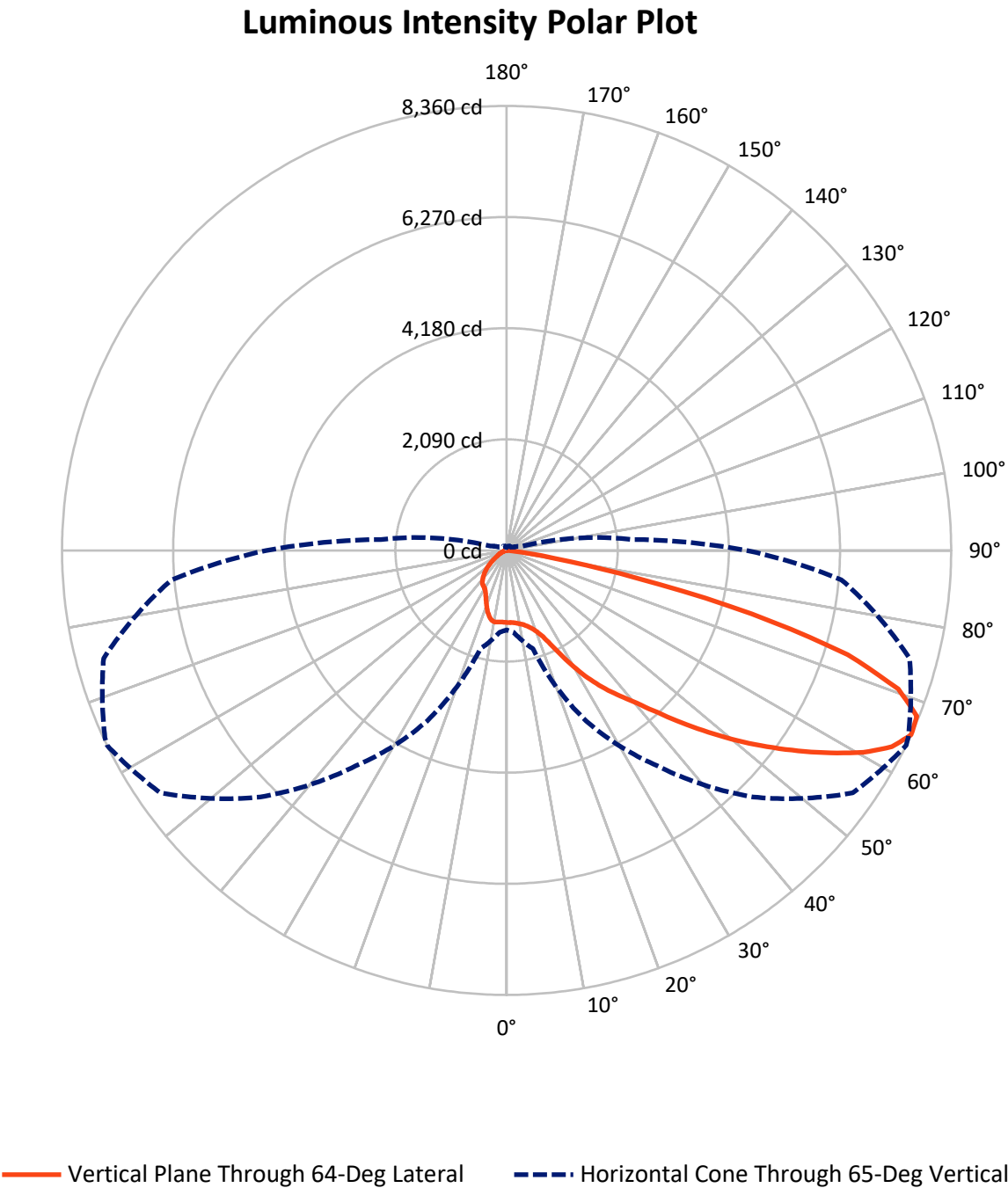
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
Type III - Short - N/A

REPORT NUMBER: P940756
CATALOG NUMBER: GALN-SB4A-722-U-T3-HSS



REPORT NUMBER: P940756

CATALOG NUMBER: GALN-SB4A-722-U-T3-HSS

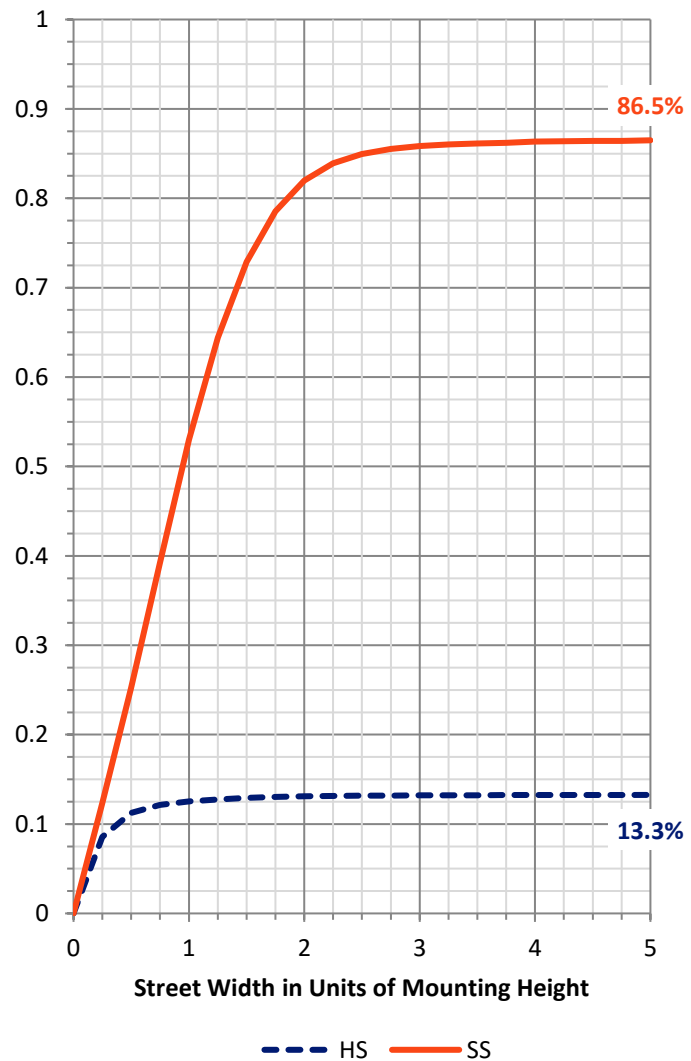
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1557.7	0.0	1557.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	10090.3	0.0	10090.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	11648.0	0.0	11648.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	1.1
10°-20°	339.0	2.9
20°-30°	642.4	5.5
30°-40°	1299.9	11.2
40°-50°	2214.4	19.0
50°-60°	3011.5	25.9
60°-70°	2827.9	24.3
70°-80°	1133.0	9.7
80°-90°	54.9	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°	11648.0	100.0
0°-180°	11648.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940756

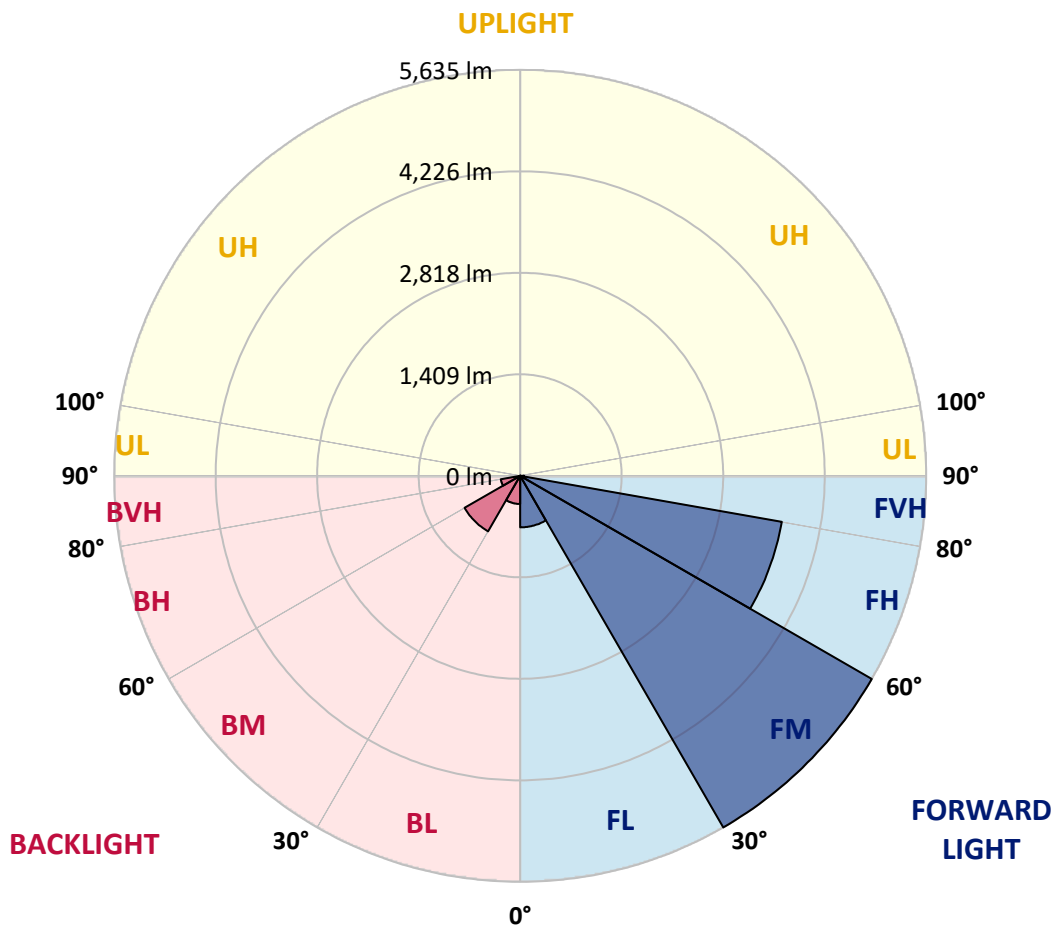
CATALOG NUMBER: GALN-SB4A-722-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	715.3	6.1			
FM	(30°-60°)	5635.3	48.4			
FH	(60°-80°)	3687.5	31.7			G2/5000
FVH	(80°-90°)	52.2	0.4			G1/100
BL	(0°-30°)	391.1	3.4	B1/500		
BM	(30°-60°)	890.5	7.6	B1/1000		
BH	(60°-80°)	273.4	2.3	B1/500		G1/500
BVH	(80°-90°)	2.7	0.0			G0/10
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 Short



REPORT NUMBER: P940756

CATALOG NUMBER: GALN-SB4A-722-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1354.8	1354.8	1354.8	1354.8	1354.8	1354.8	1354.8	1354.8	1354.8	1354.8	1354.8
2.5°	1350.1	1359.5	1357.1	1354.8	1354.0	1355.6	1356.3	1355.6	1355.6	1355.6	1356.3
5°	1324.3	1332.1	1332.1	1337.6	1345.4	1354.8	1361.8	1363.4	1364.9	1367.3	1366.5
7.5°	1275.1	1281.4	1286.1	1304.0	1323.5	1348.5	1369.6	1380.6	1382.1	1390.7	1393.8
10°	1241.6	1249.4	1257.2	1275.9	1304.0	1341.5	1377.4	1404.0	1407.9	1428.2	1437.6
12.5°	1240.0	1247.8	1258.0	1278.3	1311.1	1350.9	1394.6	1432.9	1439.9	1469.6	1489.1
15°	1256.4	1265.8	1275.1	1300.1	1335.3	1383.7	1430.5	1478.2	1485.2	1527.4	1548.4
17.5°	1290.0	1302.5	1309.5	1334.5	1372.0	1425.8	1487.5	1542.2	1548.4	1597.6	1624.2
20°	1356.3	1371.2	1373.5	1393.8	1430.5	1488.3	1561.7	1629.6	1637.5	1693.7	1723.3
22.5°	1493.8	1514.9	1496.1	1506.3	1539.1	1596.8	1676.5	1762.4	1773.3	1837.4	1863.9
25°	1735.8	1765.5	1717.1	1699.9	1714.0	1774.1	1874.1	1982.6	1995.1	2046.6	2059.9
27.5°	2211.4	2173.1	2099.7	2027.9	1985.7	2020.1	2132.5	2266.8	2282.4	2332.4	2316.8
30°	2733.8	2700.2	2601.0	2441.7	2341.8	2336.3	2440.2	2590.1	2608.1	2655.7	2608.1
32.5°	3256.9	3224.9	3117.2	2921.2	2747.8	2661.9	2733.8	2900.1	2909.5	2939.9	2869.6
35°	3771.5	3738.7	3631.0	3430.3	3217.1	3021.9	3007.9	3195.3	3198.4	3230.4	3125.8
37.5°	4289.2	4261.9	4147.1	3950.3	3740.3	3470.9	3340.5	3474.8	3478.7	3509.9	3401.4
40°	4658.6	4670.3	4591.4	4439.2	4258.8	3964.4	3713.7	3772.3	3748.9	3801.2	3736.4
42.5°	4975.6	4999.0	4930.3	4853.8	4749.2	4489.9	4176.0	4165.9	4128.4	4156.5	4089.3
45°	5249.7	5269.2	5207.5	5189.6	5187.2	5005.3	4681.2	4620.3	4568.0	4562.5	4482.1
47.5°	5350.4	5387.9	5414.4	5474.6	5591.7	5515.2	5203.6	5109.1	5050.6	5007.6	4880.3
50°	5388.7	5428.5	5519.1	5694.0	5971.2	6004.0	5723.7	5617.5	5545.6	5467.5	5280.1
52.5°	5337.1	5408.2	5530.0	5824.4	6226.5	6396.0	6222.6	6129.7	6047.7	5920.4	5642.5
55°	5033.4	5104.4	5353.5	5822.8	6353.8	6670.8	6694.3	6652.9	6560.7	6360.1	5935.3
57.5°	4393.1	4498.5	4892.8	5624.5	6351.5	6907.4	7156.5	7186.2	7083.1	6795.8	6165.6
60°	3506.0	3648.9	4129.9	5184.9	6155.5	7035.5	7561.8	7710.2	7600.8	7225.3	6352.3
62.5°	2446.4	2612.0	3067.2	4496.2	5707.3	6943.4	7857.7	8131.8	8049.1	7609.4	6424.1
65°	1492.2	1545.3	1912.3	3538.1	4945.2	6557.6	7949.1	8359.8	8332.5	7844.5	6317.9
67.5°	994.0	1038.5	1144.0	2426.1	3838.7	5786.9	7730.5	8320.0	8327.8	7806.2	5929.0
70°	598.9	637.2	705.9	1411.0	2487.8	4580.5	7053.5	7812.5	7857.7	7294.7	5191.9
72.5°	246.8	272.5	335.0	639.5	1288.4	2907.1	5616.7	6707.5	6813.0	6133.6	3984.7
75°	139.8	153.0	196.8	320.9	559.1	1354.8	3402.2	4761.7	4917.0	4227.5	2397.2
77.5°	92.9	99.2	127.3	207.7	314.7	462.3	1454.0	2480.8	2777.5	2309.0	1037.8
80°	62.5	67.9	87.5	139.0	204.6	198.3	463.0	919.1	1130.7	793.3	253.0
82.5°	42.2	42.9	62.5	91.4	129.6	96.0	136.6	285.8	359.2	229.6	96.0
85°	24.2	23.4	46.1	53.1	57.8	39.8	41.4	85.9	112.4	96.8	54.7
87.5°	3.1	4.7	18.0	14.1	7.8	8.6	8.6	14.8	21.9	23.4	11.7
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: P940756

CATALOG NUMBER: GALN-SB4A-722-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1354.8	1354.8	1354.8	1354.8	1354.8	1354.8	1354.8	1354.8	1354.8	1354.8	1354.8
2.5°	1356.3	1355.6	1353.2	1350.9	1345.4	1342.3	1343.9	1342.3	1341.5	1342.3	1345.4
5°	1366.5	1364.2	1357.9	1350.1	1339.2	1325.9	1317.3	1304.8	1293.1	1286.1	1287.6
7.5°	1393.8	1391.5	1382.9	1361.0	1325.9	1270.5	1219.7	1175.2	1141.6	1122.1	1122.9
10°	1437.6	1433.6	1420.4	1372.0	1279.8	1158.8	1058.1	974.5	919.8	894.1	891.7
12.5°	1489.1	1484.4	1461.0	1361.8	1192.4	1003.4	864.4	771.5	720.7	698.1	695.7
15°	1550.0	1543.8	1497.7	1313.4	1065.1	831.6	704.3	634.8	602.0	581.7	582.5
17.5°	1625.7	1614.8	1525.0	1240.8	926.9	700.4	605.9	553.6	524.7	505.2	503.7
20°	1724.1	1706.2	1546.9	1154.1	799.6	617.7	539.6	495.8	474.0	456.8	453.7
22.5°	1861.6	1835.8	1573.4	1060.4	709.8	560.7	490.4	458.4	440.4	420.9	417.8
25°	2031.8	2001.3	1606.2	973.7	648.1	511.5	454.5	427.9	406.8	384.2	381.8
27.5°	2269.9	2215.3	1645.3	902.7	595.0	469.3	421.7	392.0	367.8	349.0	345.1
30°	2535.4	2445.6	1679.6	859.7	546.6	430.3	378.7	349.0	326.4	313.1	310.8
32.5°	2786.9	2665.1	1702.3	841.0	502.9	385.7	331.9	299.8	282.7	278.8	281.1
35°	3024.3	2863.4	1699.9	823.0	463.8	341.2	285.8	253.0	239.7	242.1	242.1
37.5°	3297.6	3075.0	1683.5	794.9	431.8	300.6	246.0	217.1	205.4	206.1	209.3
40°	3615.4	3319.4	1673.4	741.8	396.7	263.1	213.2	189.7	181.2	178.0	177.3
42.5°	3954.2	3556.0	1674.9	681.7	352.9	229.6	190.5	171.0	163.2	160.9	160.1
45°	4294.7	3781.7	1677.3	619.2	306.9	203.8	174.1	157.7	153.0	149.9	149.9
47.5°	4614.9	3973.8	1633.5	552.1	261.6	184.3	160.9	149.9	146.0	142.1	142.1
50°	4913.1	4101.8	1528.1	474.0	225.7	168.7	150.7	142.9	139.0	135.1	135.1
52.5°	5145.1	4122.1	1354.0	393.6	200.7	157.0	144.5	137.4	132.7	128.8	128.1
55°	5248.1	3994.9	1106.5	318.6	181.2	146.8	138.2	131.2	125.7	121.8	121.0
57.5°	5221.6	3727.0	862.8	256.1	162.4	136.6	130.4	125.7	119.5	113.2	112.4
60°	5091.2	3368.6	650.5	213.2	145.2	125.7	121.8	117.9	109.3	99.9	98.4
62.5°	4865.5	2918.1	463.8	176.5	126.5	113.2	111.7	108.5	96.0	78.9	77.3
65°	4520.4	2370.7	312.3	146.8	108.5	99.2	99.9	94.5	78.1	58.6	57.0
67.5°	4015.9	1733.5	199.9	120.3	90.6	82.8	83.6	80.4	66.4	50.0	47.6
70°	3373.3	1147.9	130.4	91.4	72.6	64.0	68.7	69.5	56.2	40.6	39.0
72.5°	2473.0	677.8	91.4	67.9	53.1	44.5	56.2	57.8	45.3	30.5	28.9
75°	1409.4	321.7	68.7	49.2	32.8	31.2	43.7	43.7	31.2	20.3	18.7
77.5°	591.9	134.3	48.4	32.0	18.7	18.0	29.7	27.3	15.6	9.4	9.4
80°	171.0	60.1	25.8	15.6	7.8	7.0	11.7	8.6	3.9	1.6	1.6
82.5°	67.2	26.5	10.2	6.2	3.1	3.1	1.6	0.0	0.0	0.0	0.0
85°	39.8	10.9	4.7	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.2	2.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)