

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: P940246

Luminaire Tested: **GALN-SB3B-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940246
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-SB3B-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA 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: 10946 lumens
Efficiency: N/A
Efficacy: 100.2 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): 109.2
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

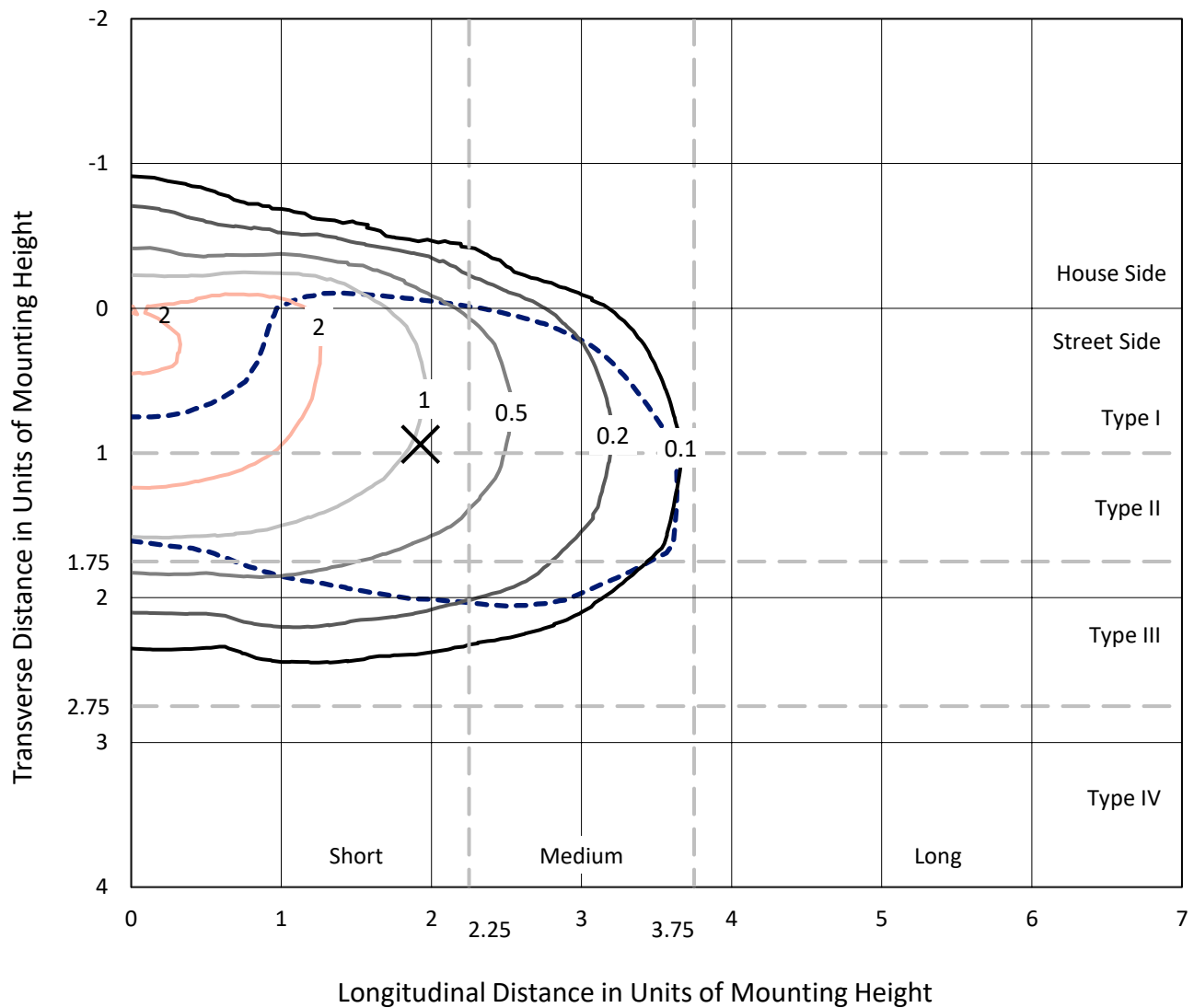


REPORT NUMBER: P940246

CATALOG NUMBER: GALN-SB3B-722-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

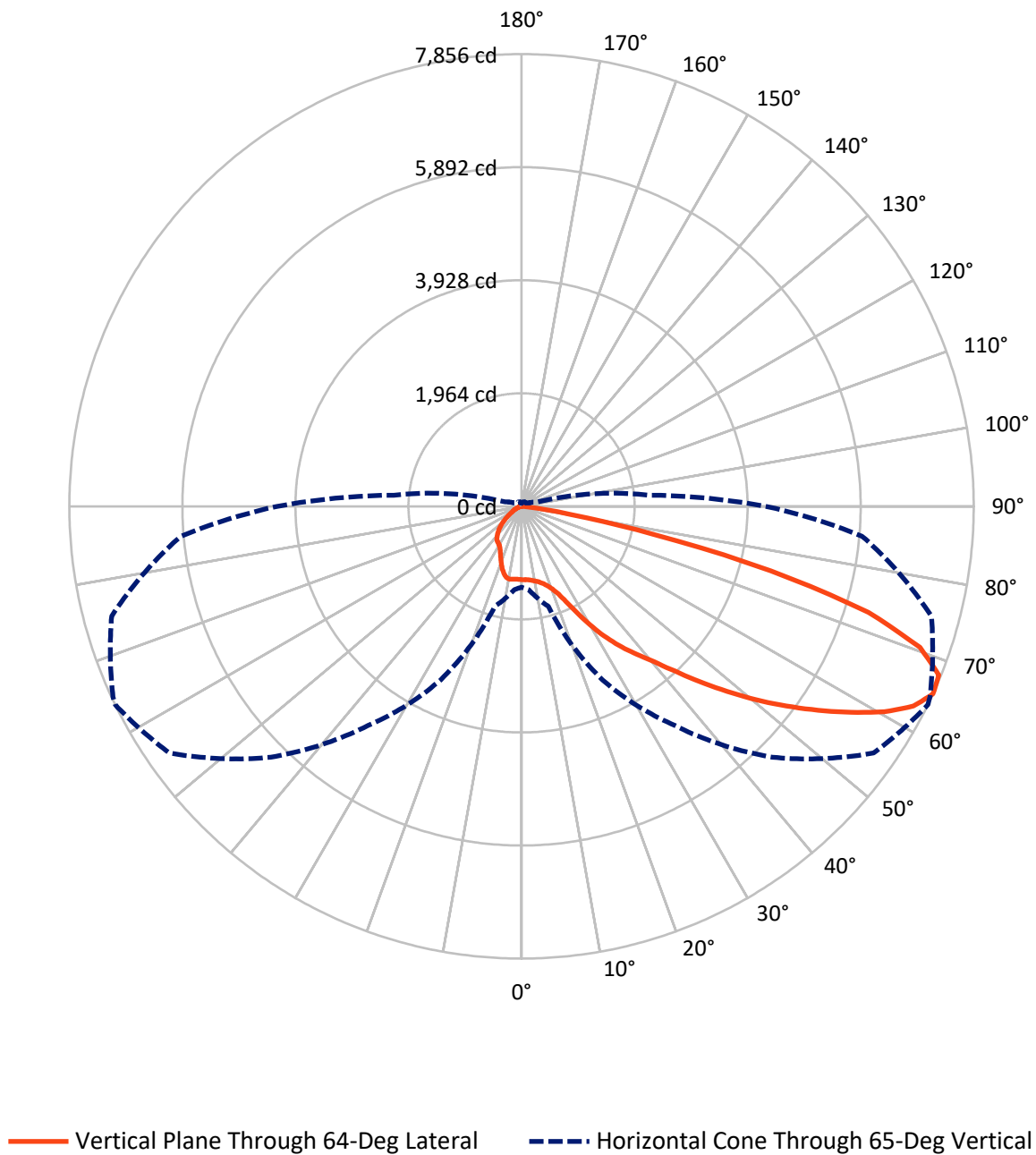


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

REPORT NUMBER: P940246

CATALOG NUMBER: GALN-SB3B-722-U-T3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P940246

CATALOG NUMBER: GALN-SB3B-722-U-T3-HSS

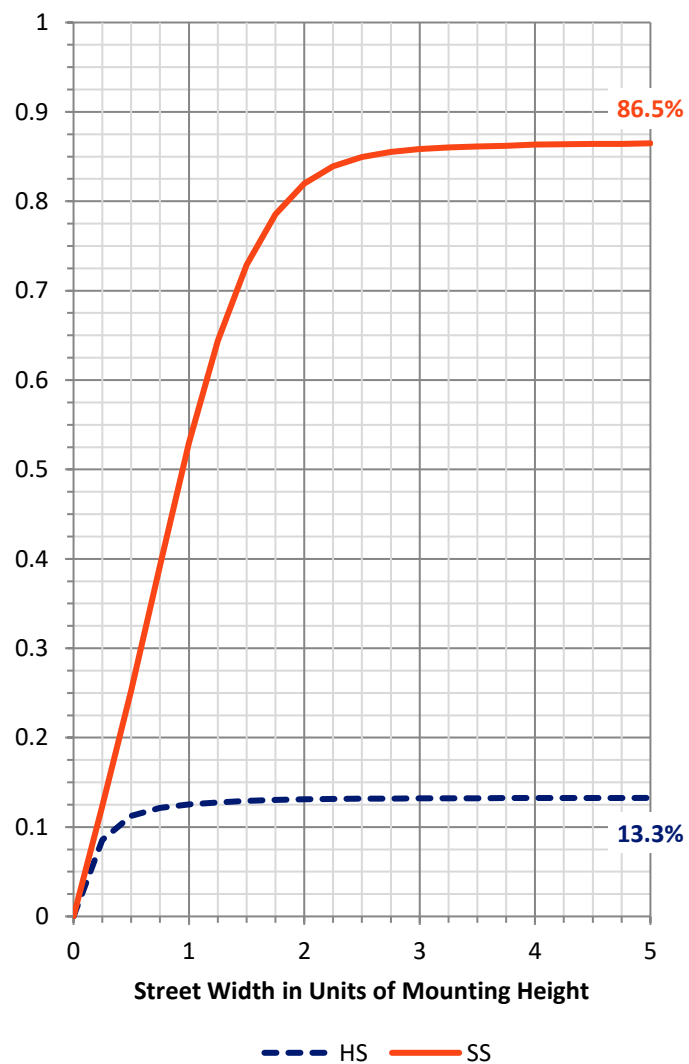
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1463.8	0.0	1463.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	9482.2	0.0	9482.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	10946.0	0.0	10946.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	1.1
10°-20°	318.6	2.9
20°-30°	603.7	5.5
30°-40°	1221.6	11.2
40°-50°	2081.0	19.0
50°-60°	2830.0	25.9
60°-70°	2657.5	24.3
70°-80°	1064.7	9.7
80°-90°	51.6	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°	10946.0	100.0
0°-180°	10946.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940246

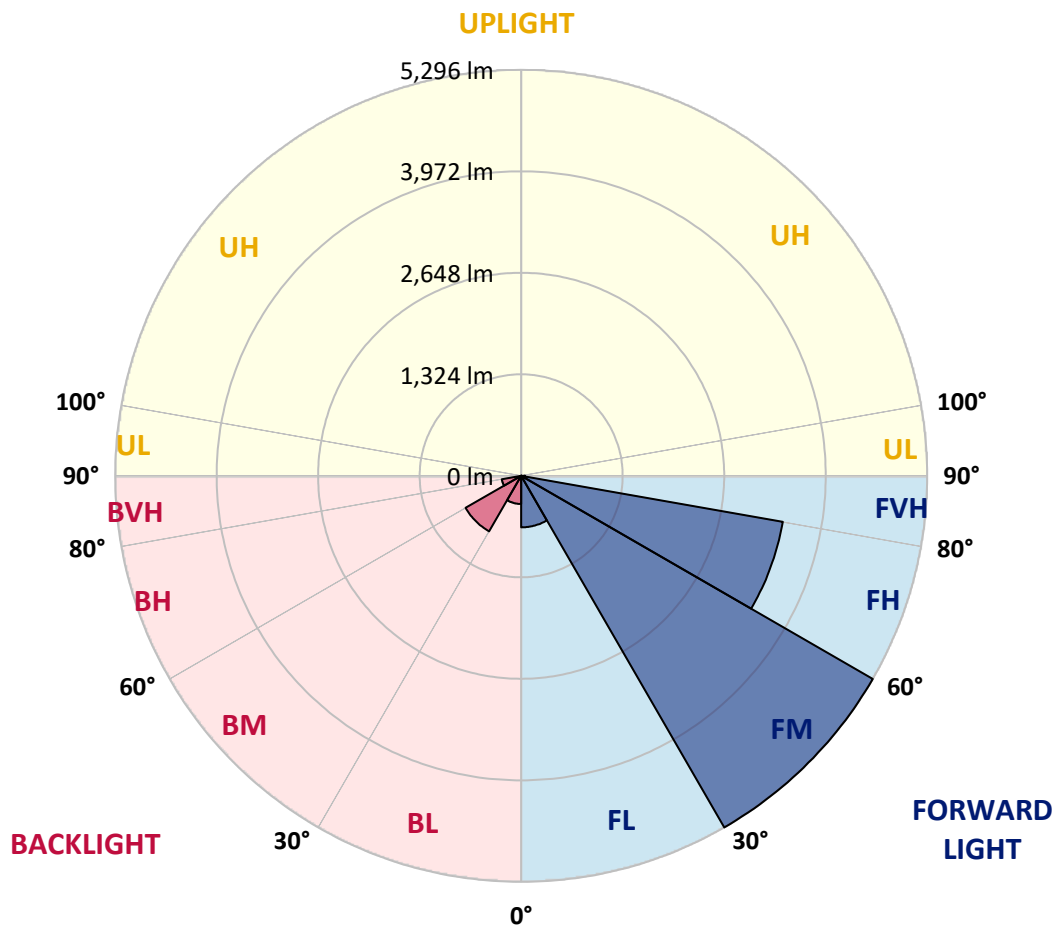
CATALOG NUMBER: GALN-SB3B-722-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	672.2	6.1			
FM	(30°-60°)	5295.7	48.4			
FH	(60°-80°)	3465.3	31.7			G2/5000
FVH	(80°-90°)	49.1	0.4			G1/100
BL	(0°-30°)	367.5	3.4	B1/500		
BM	(30°-60°)	836.9	7.6	B1/1000		
BH	(60°-80°)	256.9	2.3	B1/500		G1/500
BVH	(80°-90°)	2.5	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: P940246

CATALOG NUMBER: GALN-SB3B-722-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1273.1	1273.1	1273.1	1273.1	1273.1	1273.1	1273.1	1273.1	1273.1	1273.1	1273.1
2.5°	1268.7	1277.5	1275.3	1273.1	1272.4	1273.9	1274.6	1273.9	1273.9	1273.9	1274.6
5°	1244.5	1251.9	1251.9	1257.0	1264.3	1273.1	1279.7	1281.2	1282.7	1284.9	1284.1
7.5°	1198.3	1204.2	1208.6	1225.4	1243.8	1267.3	1287.1	1297.3	1298.8	1306.9	1309.8
10°	1166.7	1174.1	1181.4	1199.0	1225.4	1260.7	1294.4	1319.4	1323.0	1342.1	1350.9
12.5°	1165.3	1172.6	1182.1	1201.2	1232.0	1269.5	1310.6	1346.5	1353.1	1381.0	1399.3
15°	1180.7	1189.5	1198.3	1221.8	1254.8	1300.3	1344.3	1389.1	1395.7	1435.3	1455.1
17.5°	1212.2	1224.0	1230.6	1254.1	1289.3	1339.9	1397.9	1449.2	1455.1	1501.3	1526.3
20°	1274.6	1288.5	1290.7	1309.8	1344.3	1398.6	1467.6	1531.4	1538.8	1591.6	1619.5
22.5°	1403.7	1423.6	1406.0	1415.5	1446.3	1500.6	1575.5	1656.2	1666.4	1726.6	1751.6
25°	1631.2	1659.1	1613.6	1597.5	1610.7	1667.2	1761.1	1863.1	1874.8	1923.3	1935.7
27.5°	2078.1	2042.2	1973.2	1905.7	1866.0	1898.3	2004.0	2130.2	2144.9	2191.8	2177.2
30°	2569.0	2537.5	2444.3	2294.6	2200.6	2195.5	2293.1	2434.0	2450.9	2495.6	2450.9
32.5°	3060.7	3030.6	2929.3	2745.1	2582.2	2501.5	2569.0	2725.3	2734.1	2762.7	2696.7
35°	3544.2	3513.4	3412.1	3223.6	3023.2	2839.8	2826.6	3002.7	3005.6	3035.7	2937.4
37.5°	4030.7	4005.1	3897.2	3712.3	3514.9	3261.7	3139.2	3265.4	3269.1	3298.4	3196.4
40°	4377.8	4388.8	4314.7	4171.6	4002.1	3725.5	3489.9	3545.0	3522.9	3572.1	3511.2
42.5°	4675.7	4697.8	4633.2	4561.3	4462.9	4219.3	3924.3	3914.8	3879.6	3906.0	3842.9
45°	4933.3	4951.6	4893.7	4876.8	4874.6	4703.6	4399.1	4341.9	4292.7	4287.6	4212.0
47.5°	5028.0	5063.2	5088.1	5144.6	5254.7	5182.8	4890.0	4801.2	4746.2	4705.8	4586.2
50°	5063.9	5101.3	5186.5	5350.8	5611.3	5642.1	5378.7	5278.9	5211.4	5138.0	4961.9
52.5°	5015.5	5082.3	5196.7	5473.4	5851.3	6010.5	5847.6	5760.3	5683.2	5563.6	5302.4
55°	4730.0	4796.8	5030.9	5471.9	5970.9	6268.8	6290.8	6251.9	6165.3	5976.8	5577.6
57.5°	4128.3	4227.4	4598.0	5285.5	5968.7	6491.1	6725.2	6753.1	6656.2	6386.2	5794.0
60°	3294.7	3429.0	3881.0	4872.4	5784.5	6611.5	7106.1	7245.5	7142.8	6789.8	5969.4
62.5°	2299.0	2454.5	2882.3	4225.2	5363.3	6524.9	7384.2	7641.7	7564.0	7150.8	6036.9
65°	1402.3	1452.2	1797.1	3324.8	4647.1	6162.4	7470.0	7856.0	7830.3	7371.7	5937.1
67.5°	934.1	975.9	1075.0	2279.9	3607.3	5438.2	7264.6	7818.6	7825.9	7335.7	5571.7
70°	562.8	598.8	663.4	1326.0	2337.9	4304.4	6628.4	7341.6	7384.2	6855.1	4879.0
72.5°	231.9	256.1	314.8	601.0	1210.8	2731.9	5278.2	6303.3	6402.4	5764.0	3744.6
75°	131.3	143.8	184.9	301.6	525.4	1273.1	3197.1	4474.7	4620.7	3972.8	2252.7
77.5°	87.3	93.2	119.6	195.2	295.7	434.4	1366.3	2331.3	2610.1	2169.8	975.2
80°	58.7	63.8	82.2	130.6	192.3	186.4	435.1	863.7	1062.5	745.5	237.7
82.5°	39.6	40.4	58.7	85.9	121.8	90.3	128.4	268.6	337.5	215.7	90.3
85°	22.7	22.0	43.3	49.9	54.3	37.4	38.9	80.7	105.7	91.0	51.4
87.5°	2.9	4.4	16.9	13.2	7.3	8.1	8.1	13.9	20.5	22.0	11.0
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: P940246

CATALOG NUMBER: GALN-SB3B-722-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1273.1	1273.1	1273.1	1273.1	1273.1	1273.1	1273.1	1273.1	1273.1	1273.1	1273.1
2.5°	1274.6	1273.9	1271.7	1269.5	1264.3	1261.4	1262.9	1261.4	1260.7	1261.4	1264.3
5°	1284.1	1281.9	1276.1	1268.7	1258.5	1246.0	1237.9	1226.2	1215.2	1208.6	1210.0
7.5°	1309.8	1307.6	1299.6	1279.0	1246.0	1193.9	1146.2	1104.4	1072.8	1054.5	1055.2
10°	1350.9	1347.2	1334.8	1289.3	1202.7	1089.0	994.3	915.8	864.4	840.2	838.0
12.5°	1399.3	1394.9	1372.9	1279.7	1120.5	942.9	812.3	725.0	677.3	656.0	653.8
15°	1456.6	1450.7	1407.4	1234.2	1000.9	781.5	661.9	596.6	565.8	546.7	547.4
17.5°	1527.8	1517.5	1433.1	1166.0	871.0	658.2	569.4	520.3	493.1	474.8	473.3
20°	1620.2	1603.3	1453.6	1084.5	751.4	580.4	507.1	466.0	445.4	429.3	426.3
22.5°	1749.4	1725.2	1478.6	996.5	667.0	526.9	460.8	430.7	413.9	395.5	392.6
25°	1909.3	1880.7	1509.4	915.0	609.0	480.6	427.1	402.1	382.3	361.0	358.8
27.5°	2133.1	2081.8	1546.1	848.3	559.2	441.0	396.2	368.4	345.6	328.0	324.3
30°	2382.6	2298.2	1578.4	807.9	513.7	404.3	355.9	328.0	306.7	294.3	292.1
32.5°	2618.9	2504.4	1599.7	790.3	472.6	362.5	311.9	281.8	265.6	262.0	264.2
35°	2842.0	2690.8	1597.5	773.4	435.9	320.7	268.6	237.7	225.3	227.5	227.5
37.5°	3098.8	2889.7	1582.1	747.0	405.8	282.5	231.1	204.0	193.0	193.7	196.7
40°	3397.5	3119.4	1572.5	697.1	372.8	247.3	200.3	178.3	170.2	167.3	166.6
42.5°	3715.9	3341.7	1574.0	640.6	331.7	215.7	179.0	160.7	153.4	151.2	150.4
45°	4035.9	3553.8	1576.2	581.9	288.4	191.5	163.6	148.2	143.8	140.9	140.9
47.5°	4336.7	3734.3	1535.1	518.8	245.8	173.2	151.2	140.9	137.2	133.6	133.6
50°	4617.0	3854.6	1436.0	445.4	212.1	158.5	141.6	134.3	130.6	126.9	126.9
52.5°	4835.0	3873.7	1272.4	369.8	188.6	147.5	135.8	129.1	124.7	121.1	120.3
55°	4931.8	3754.1	1039.8	299.4	170.2	138.0	129.9	123.3	118.1	114.5	113.7
57.5°	4906.9	3502.4	810.8	240.7	152.6	128.4	122.5	118.1	112.3	106.4	105.7
60°	4784.3	3165.6	611.3	200.3	136.5	118.1	114.5	110.8	102.7	93.9	92.5
62.5°	4572.3	2742.2	435.9	165.8	118.9	106.4	104.9	102.0	90.3	74.1	72.6
65°	4247.9	2227.8	293.5	138.0	102.0	93.2	93.9	88.8	73.4	55.0	53.6
67.5°	3773.9	1629.0	187.9	113.0	85.1	77.8	78.5	75.6	62.4	47.0	44.8
70°	3170.0	1078.7	122.5	85.9	68.2	60.2	64.6	65.3	52.8	38.2	36.7
72.5°	2323.9	636.9	85.9	63.8	49.9	41.8	52.8	54.3	42.6	28.6	27.2
75°	1324.5	302.3	64.6	46.2	30.8	29.4	41.1	41.1	29.4	19.1	17.6
77.5°	556.2	126.2	45.5	30.1	17.6	16.9	27.9	25.7	14.7	8.8	8.8
80°	160.7	56.5	24.2	14.7	7.3	6.6	11.0	8.1	3.7	1.5	1.5
82.5°	63.1	24.9	9.5	5.9	2.9	2.9	1.5	0.0	0.0	0.0	0.0
85°	37.4	10.3	4.4	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.5	2.2	1.5	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)