

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: P945558

Luminaire Tested: **GALN-SB1C-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-722-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6303 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 54.4
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

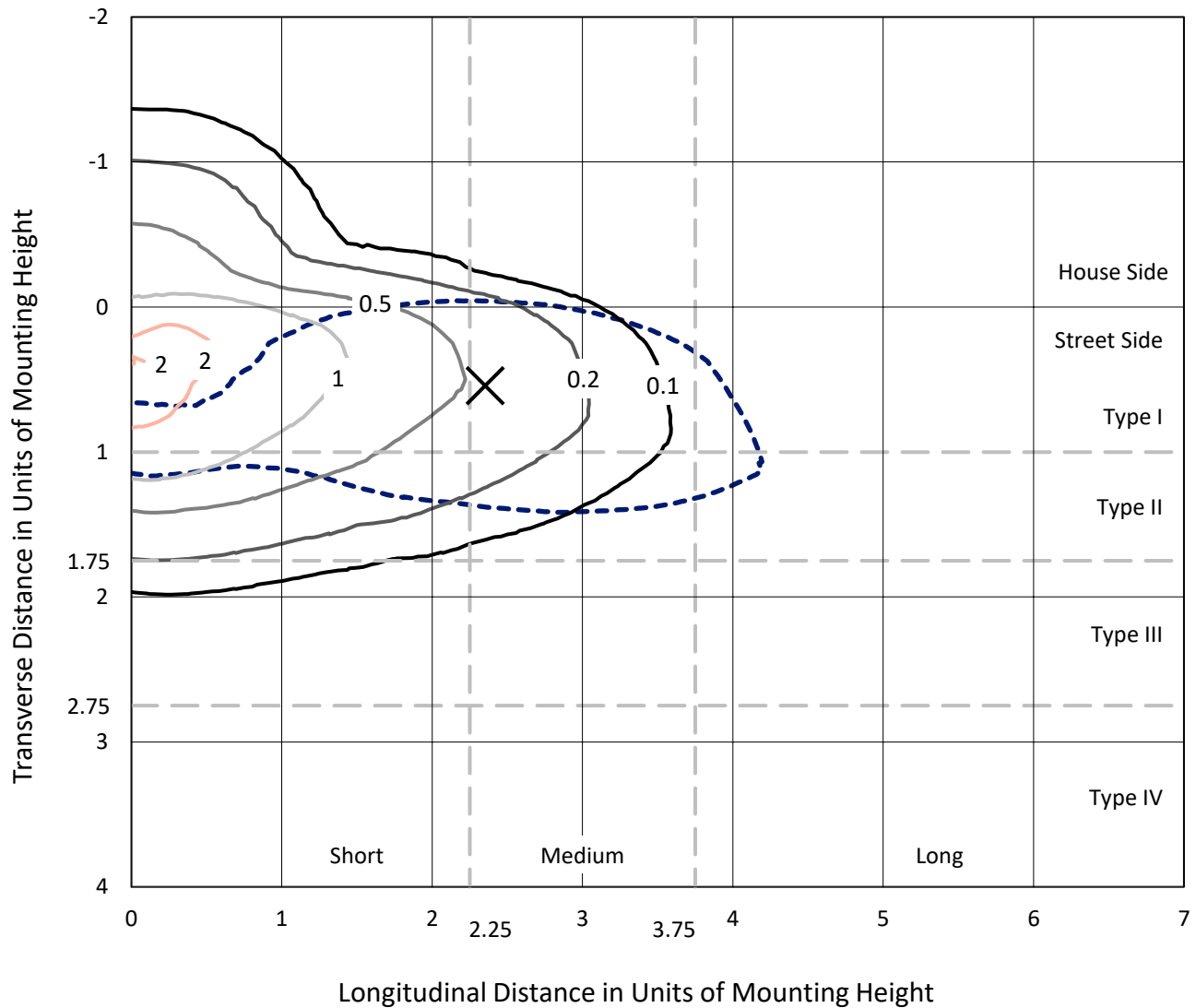


REPORT NUMBER: P945558

CATALOG NUMBER: GALN-SB1C-722-U-T2R

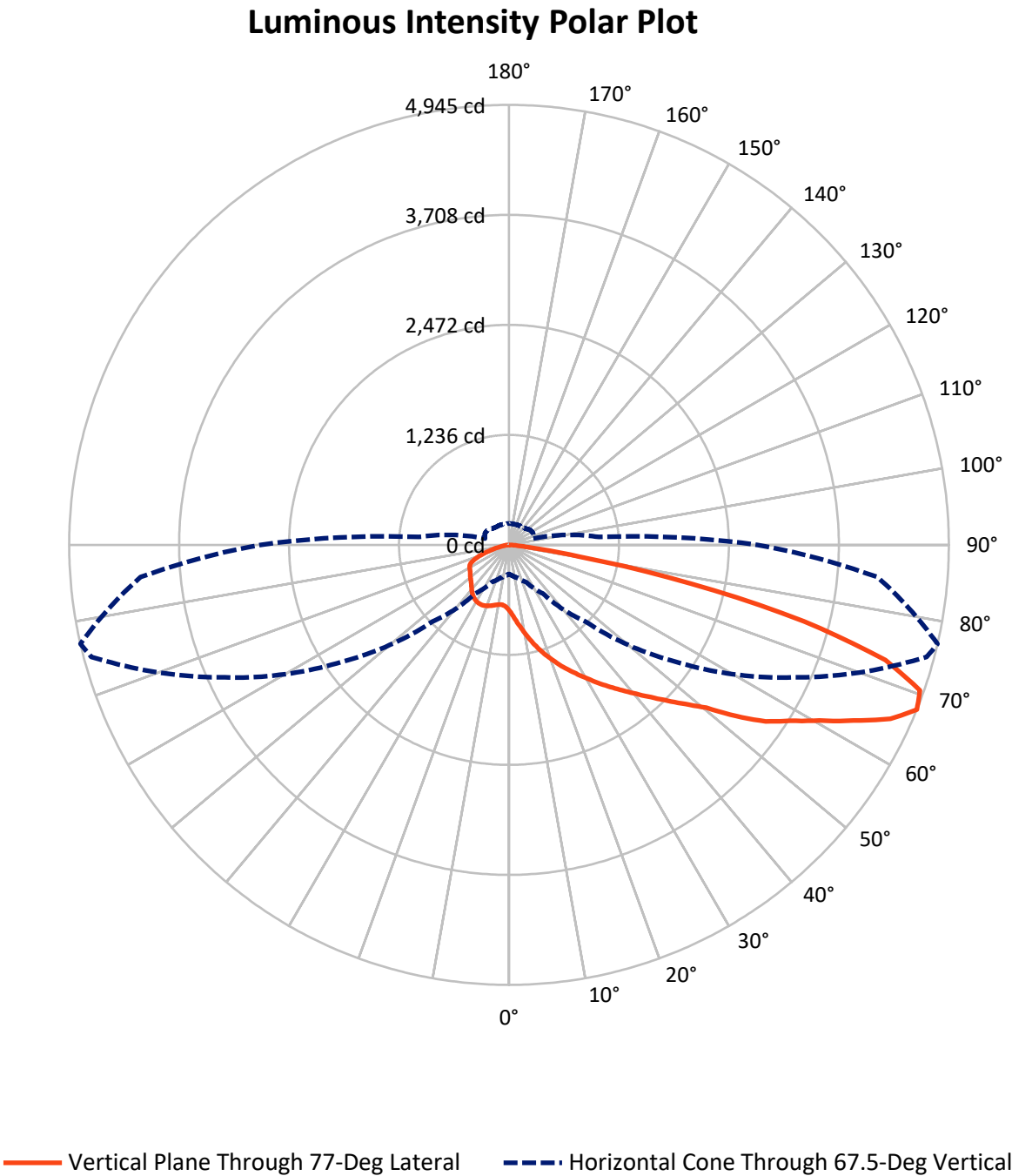
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P945558
CATALOG NUMBER: GALN-SB1C-722-U-T2R



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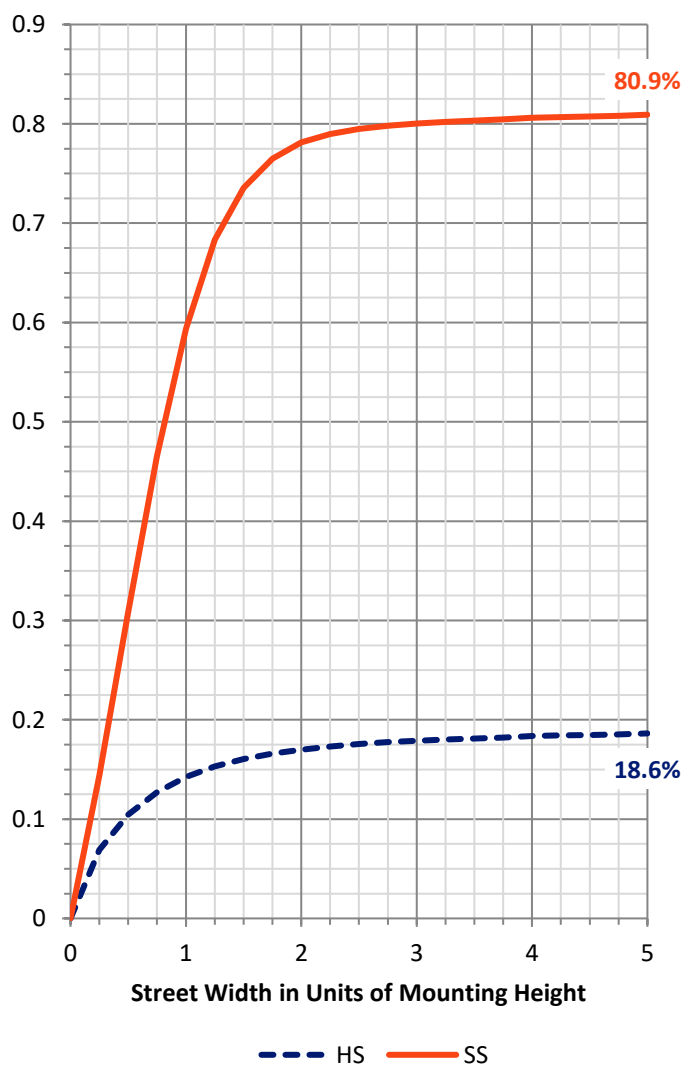
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1192.3	0.0	1192.3
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	5110.7	0.0	5110.7
	% Fixture	81.1	0.0	81.1
Total	Lumens	6303.0	0.0	6303.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	1.3
10°-20°	284.8	4.5
20°-30°	537.7	8.5
30°-40°	866.2	13.7
40°-50°	1184.8	18.8
50°-60°	1336.5	21.2
60°-70°	1247.4	19.8
70°-80°	683.8	10.8
80°-90°	82.5	1.3
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°	6303.0	100.0
0°-180°	6303.0	100.0

Coefficient of Utilization



REPORT NUMBER: P945558

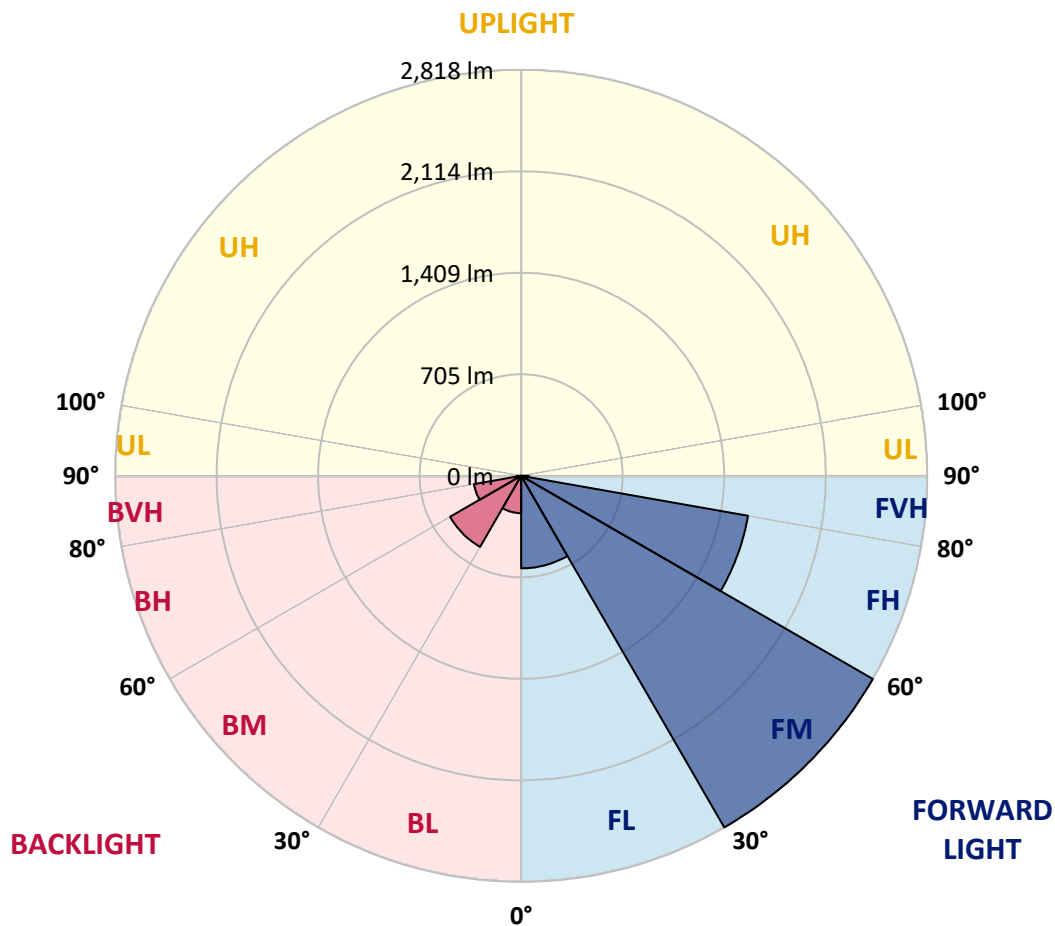
CATALOG NUMBER: GALN-SB1C-722-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	642.5	10.2			
FM	(30°-60°)	2818.0	44.7			
FH	(60°-80°)	1598.6	25.4			G1/1800
FVH	(80°-90°)	51.6	0.8			G1/100
BL	(0°-30°)	259.2	4.1	B1/500		
BM	(30°-60°)	569.5	9.0	B1/1000		
BH	(60°-80°)	332.6	5.3	B1/500		G1/500
BVH	(80°-90°)	30.9	0.5			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 Medium



REPORT NUMBER: P945558

CATALOG NUMBER: GALN-SB1C-722-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5
2.5°	926.0	932.5	924.3	924.3	897.0	882.7	855.4	834.5	797.1	790.6	765.9
5°	1094.5	1102.6	1091.2	1086.4	1054.2	1024.6	978.7	933.5	866.8	859.9	801.7
7.5°	1225.0	1235.4	1225.3	1220.1	1191.5	1158.3	1104.6	1041.5	947.4	934.1	849.8
10°	1331.4	1333.0	1329.7	1331.7	1309.2	1281.9	1226.9	1153.4	1035.9	1017.7	908.1
12.5°	1391.6	1399.0	1405.5	1417.3	1413.4	1396.4	1347.0	1259.1	1129.6	1106.2	971.5
15°	1419.9	1432.9	1447.5	1474.5	1496.3	1500.5	1462.8	1372.7	1225.0	1196.7	1035.6
17.5°	1429.9	1442.3	1465.4	1504.5	1551.3	1582.9	1565.9	1483.0	1319.3	1286.8	1103.0
20°	1481.0	1484.6	1498.6	1535.7	1586.4	1638.8	1651.5	1589.0	1412.7	1375.9	1172.6
22.5°	1590.3	1583.2	1587.1	1604.0	1640.5	1691.2	1720.2	1682.7	1508.7	1466.4	1242.9
25°	1770.9	1750.1	1729.3	1709.8	1728.3	1756.9	1789.8	1776.5	1609.2	1555.5	1313.8
27.5°	1999.0	1973.6	1927.7	1863.6	1841.2	1851.3	1865.9	1863.3	1702.3	1647.9	1387.0
30°	2223.5	2193.9	2139.2	2046.5	1987.3	1960.6	1949.5	1942.1	1803.5	1745.5	1460.9
32.5°	2402.8	2379.3	2325.7	2221.9	2136.0	2090.4	2053.7	2027.0	1909.2	1851.3	1538.9
35°	2559.6	2537.8	2476.3	2363.1	2269.7	2221.2	2173.1	2116.1	2019.2	1960.6	1622.9
37.5°	2702.7	2680.9	2596.7	2478.9	2384.9	2351.4	2308.4	2211.8	2129.5	2074.2	1711.7
40°	2793.2	2788.3	2709.6	2576.2	2478.6	2462.0	2447.7	2322.7	2251.8	2200.4	1809.3
42.5°	2816.3	2827.0	2764.6	2654.9	2561.9	2548.5	2582.0	2448.3	2389.1	2340.0	1919.9
45°	2760.7	2791.6	2750.6	2676.1	2621.1	2613.9	2701.1	2585.6	2541.0	2496.1	2053.3
47.5°	2619.8	2672.2	2655.2	2644.8	2637.0	2667.9	2805.9	2731.4	2713.2	2674.1	2205.6
50°	2335.4	2434.7	2464.3	2530.0	2605.5	2709.9	2901.2	2890.5	2914.2	2874.9	2391.1
52.5°	1843.8	1980.5	2152.2	2316.9	2508.5	2695.9	3006.0	3118.9	3219.1	3197.6	2685.8
55°	1522.0	1583.5	1715.6	2017.5	2320.5	2637.0	3053.2	3303.4	3521.7	3502.5	2909.3
57.5°	1274.8	1329.7	1411.1	1663.2	2036.1	2503.3	3082.4	3415.9	3728.9	3727.0	3129.9
60°	1009.6	1067.8	1151.1	1329.7	1703.9	2272.3	3075.9	3544.1	3993.4	4009.7	3399.0
62.5°	710.3	774.4	866.8	1033.3	1364.5	1973.0	2943.2	3636.8	4304.8	4349.1	3722.7
65°	466.9	509.2	578.8	722.6	1016.7	1588.1	2689.7	3648.9	4638.0	4712.8	4026.6
67.5°	327.3	343.6	384.6	462.7	670.2	1217.8	2286.0	3524.3	4860.2	4944.5	4158.4
70°	255.4	263.5	284.4	315.6	421.0	818.9	1751.7	3200.2	4812.7	4900.5	4020.8
72.5°	220.6	228.4	236.2	240.1	282.4	505.6	1186.6	2675.7	4365.3	4424.9	3496.0
75°	200.1	202.0	208.6	207.3	215.4	328.0	684.9	1949.5	3444.2	3423.7	2580.7
77.5°	168.2	170.8	181.5	179.9	191.3	224.2	355.6	1258.2	2232.9	2093.7	1436.5
80°	142.5	143.8	155.5	153.6	166.3	162.4	181.5	641.3	947.1	802.3	414.2
82.5°	49.5	61.2	118.8	122.3	126.9	98.3	104.8	261.6	289.2	221.6	86.9
85°	24.1	25.7	60.5	85.9	85.6	49.5	51.1	93.4	91.1	71.6	29.0
87.5°	3.9	4.9	7.2	33.5	26.7	13.0	17.6	18.2	18.9	16.3	6.5
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: P945558

CATALOG NUMBER: GALN-SB1C-722-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5
2.5°	747.7	731.4	697.2	665.7	641.0	617.2	603.9	592.5	586.0	584.7	584.7
5°	767.8	734.3	672.2	619.8	585.6	560.3	546.9	538.5	534.2	531.6	531.3
7.5°	796.8	747.7	659.2	599.6	563.8	545.6	538.8	537.5	537.2	537.5	538.5
10°	836.8	769.5	657.9	594.8	564.8	554.7	554.4	554.7	556.0	556.4	556.7
12.5°	880.1	791.9	663.1	599.0	577.2	571.7	570.7	570.4	571.3	572.0	572.3
15°	927.3	821.5	671.9	608.1	590.8	585.0	584.0	582.1	581.7	581.4	581.1
17.5°	975.7	850.8	681.6	617.9	599.6	591.5	587.9	583.4	579.8	578.8	579.8
20°	1024.9	879.8	688.5	622.7	600.3	588.9	581.7	573.9	567.7	564.2	565.5
22.5°	1077.3	910.0	692.7	621.4	594.4	578.8	565.8	556.7	547.3	541.1	541.4
25°	1128.3	936.4	692.4	614.6	583.0	563.2	546.6	534.9	521.9	515.4	515.4
27.5°	1177.5	960.1	684.2	602.6	566.8	544.6	524.8	510.8	498.1	491.9	491.6
30°	1228.2	980.0	671.5	585.0	547.6	523.2	501.4	489.3	478.0	472.1	471.8
32.5°	1278.7	998.2	653.6	563.2	525.5	502.0	480.6	469.5	462.7	462.7	463.0
35°	1332.0	1010.9	629.9	537.8	502.0	479.6	462.7	456.2	455.5	451.6	450.6
37.5°	1388.3	1019.0	600.9	511.8	478.9	457.8	452.6	444.8	438.3	429.8	428.5
40°	1447.5	1027.2	566.1	484.8	454.5	442.8	440.5	430.1	411.6	390.8	387.8
42.5°	1519.4	1032.7	530.0	457.8	428.8	424.9	428.2	410.3	380.7	365.1	365.4
45°	1602.7	1041.8	496.8	431.1	402.5	402.5	416.1	392.7	368.3	358.5	360.2
47.5°	1710.7	1062.9	465.9	401.8	378.1	384.6	389.5	371.6	357.9	345.9	345.5
50°	1866.9	1113.7	434.0	372.2	359.5	372.5	365.7	355.3	339.3	329.6	328.6
52.5°	2060.8	1143.6	405.7	345.5	343.6	356.6	346.8	337.1	325.0	312.0	309.4
55°	2192.9	1149.2	382.0	326.0	332.8	331.5	328.0	319.2	312.7	295.4	295.8
57.5°	2340.6	1160.2	362.4	314.3	326.0	311.7	310.4	302.9	294.4	282.7	278.8
60°	2517.3	1177.5	345.5	309.7	320.2	298.7	292.2	289.2	280.8	274.9	276.6
62.5°	2709.9	1193.1	328.3	310.4	313.3	286.0	276.2	275.3	270.0	268.1	268.1
65°	2841.3	1150.5	306.8	309.7	302.6	273.0	260.6	260.3	256.1	255.4	255.1
67.5°	2795.5	1015.4	277.9	300.6	291.5	260.0	246.3	245.0	239.5	239.8	239.8
70°	2565.8	822.8	237.8	278.2	277.9	248.2	231.3	227.1	219.6	220.9	222.2
72.5°	2135.0	609.7	184.2	240.8	256.1	237.5	214.1	207.3	197.8	199.1	198.8
75°	1541.9	414.5	134.0	183.2	222.9	224.8	197.2	185.5	174.1	176.0	176.7
77.5°	789.0	234.9	98.6	126.2	175.0	204.3	181.9	166.3	163.7	181.9	179.3
80°	257.4	117.8	68.3	88.5	114.9	167.2	159.4	141.5	140.9	145.1	124.6
82.5°	76.8	49.8	43.9	58.2	63.4	128.2	137.6	107.0	92.1	97.0	100.2
85°	26.4	24.1	25.1	29.0	30.3	75.2	96.3	70.9	67.0	73.9	72.9
87.5°	6.2	8.5	7.2	6.5	6.5	18.2	37.4	29.6	41.0	27.3	26.4
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)