

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: P950556

Luminaire Tested: **GALN-SB5A-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950556
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-SB5A-722-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19066 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 141.7
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



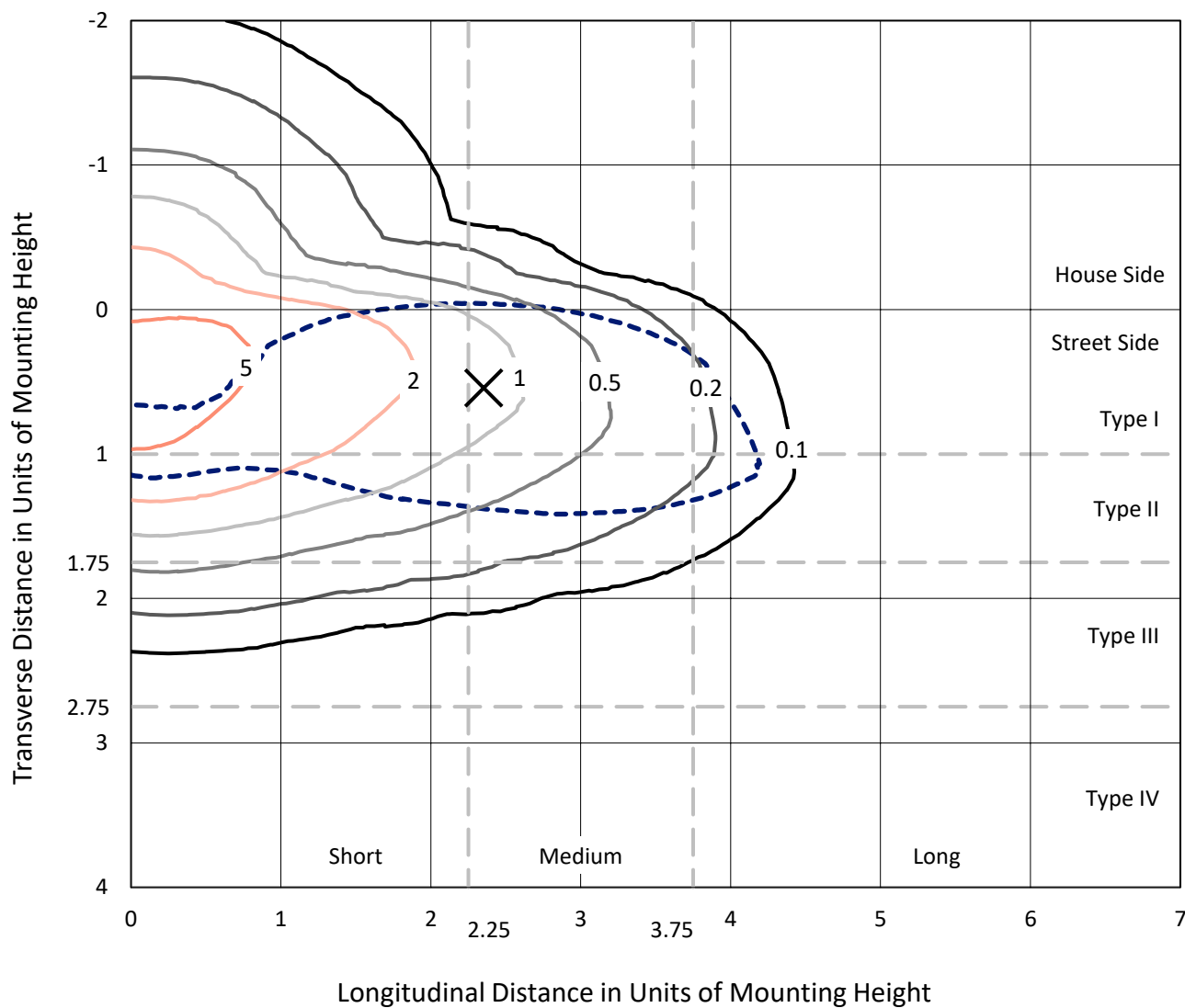
REPORT NUMBER: P950556

CATALOG NUMBER: GALN-SB5A-722-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



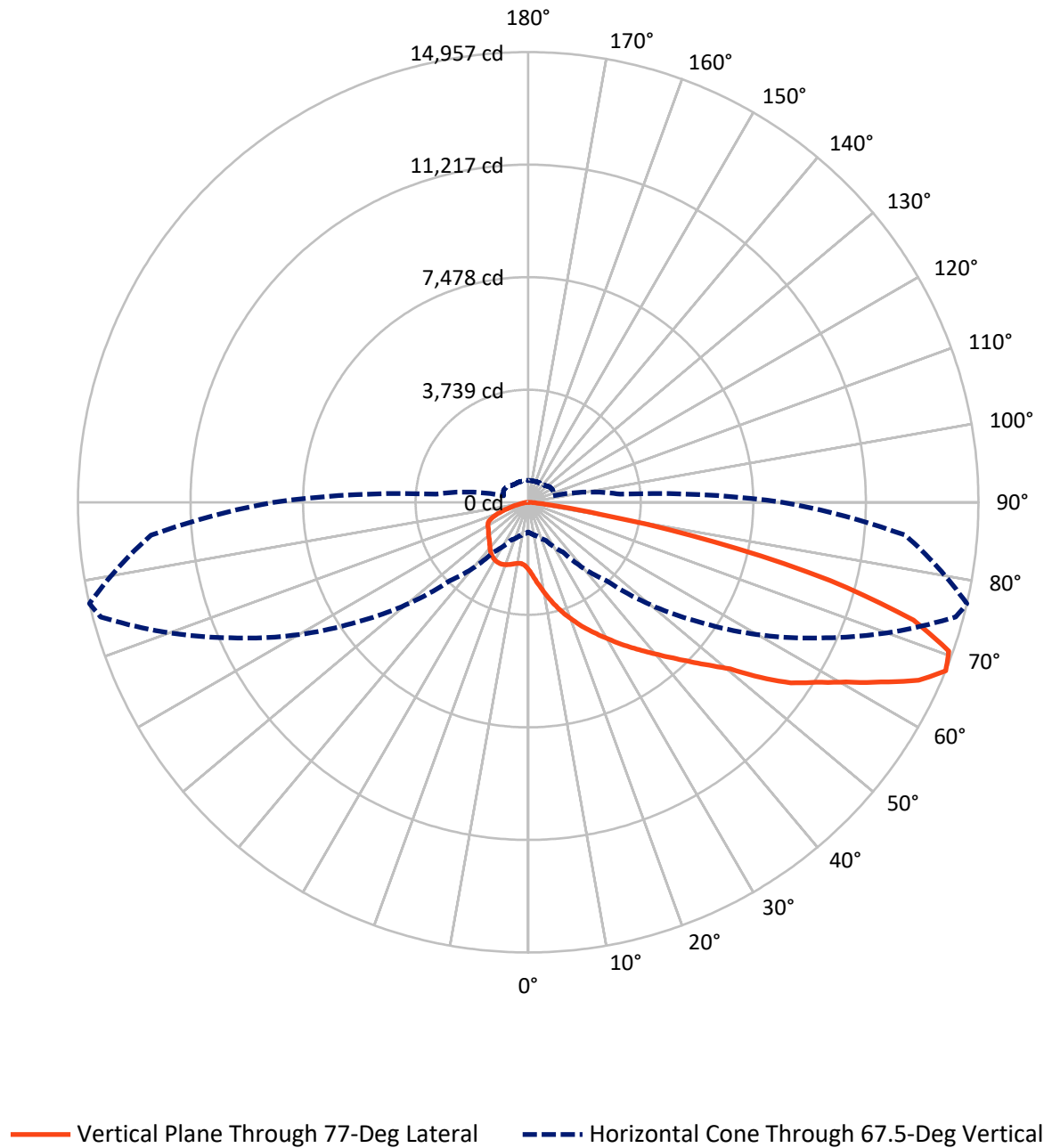
Based on 25 foot mounting height. Maximum calculated value = 7 fc

Type II - Medium - N/A

REPORT NUMBER: P950556

CATALOG NUMBER: GALN-SB5A-722-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P950556

CATALOG NUMBER: GALN-SB5A-722-U-T2R

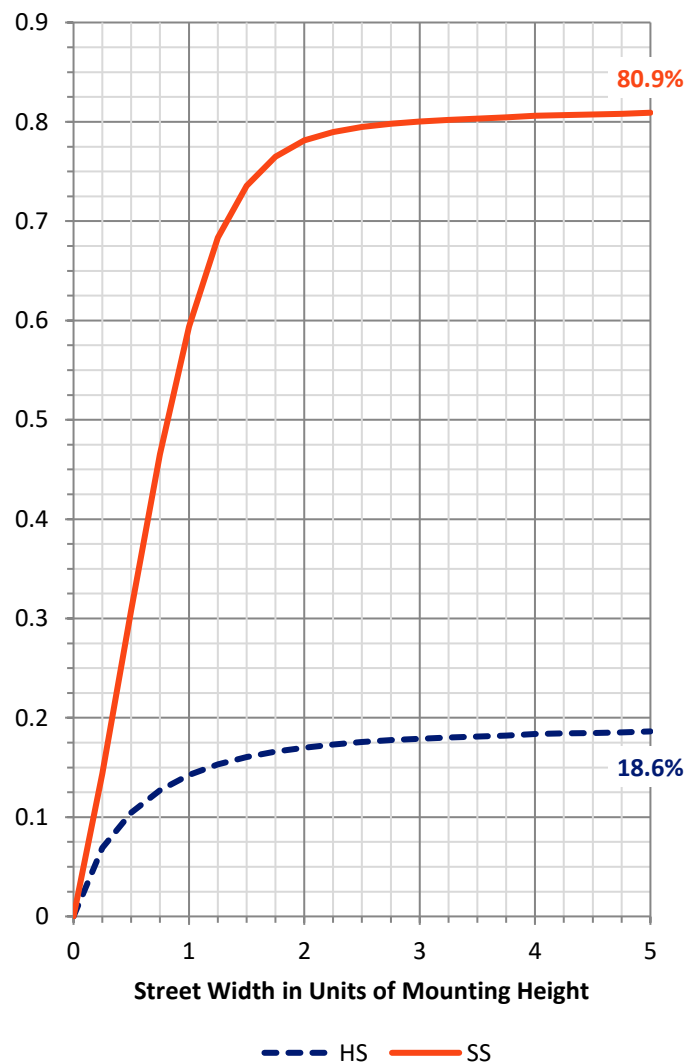
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3606.5	0.0	3606.5
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	15459.5	0.0	15459.5
	% Fixture	81.1	0.0	81.1
Total	Lumens	19066.0	0.0	19066.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.8	1.3
10°-20°	861.4	4.5
20°-30°	1626.5	8.5
30°-40°	2620.2	13.7
40°-50°	3584.0	18.8
50°-60°	4042.8	21.2
60°-70°	3773.4	19.8
70°-80°	2068.5	10.8
80°-90°	249.5	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°	19066.0	100.0
0°-180°	19066.0	100.0

Coefficient of Utilization



REPORT NUMBER: P950556

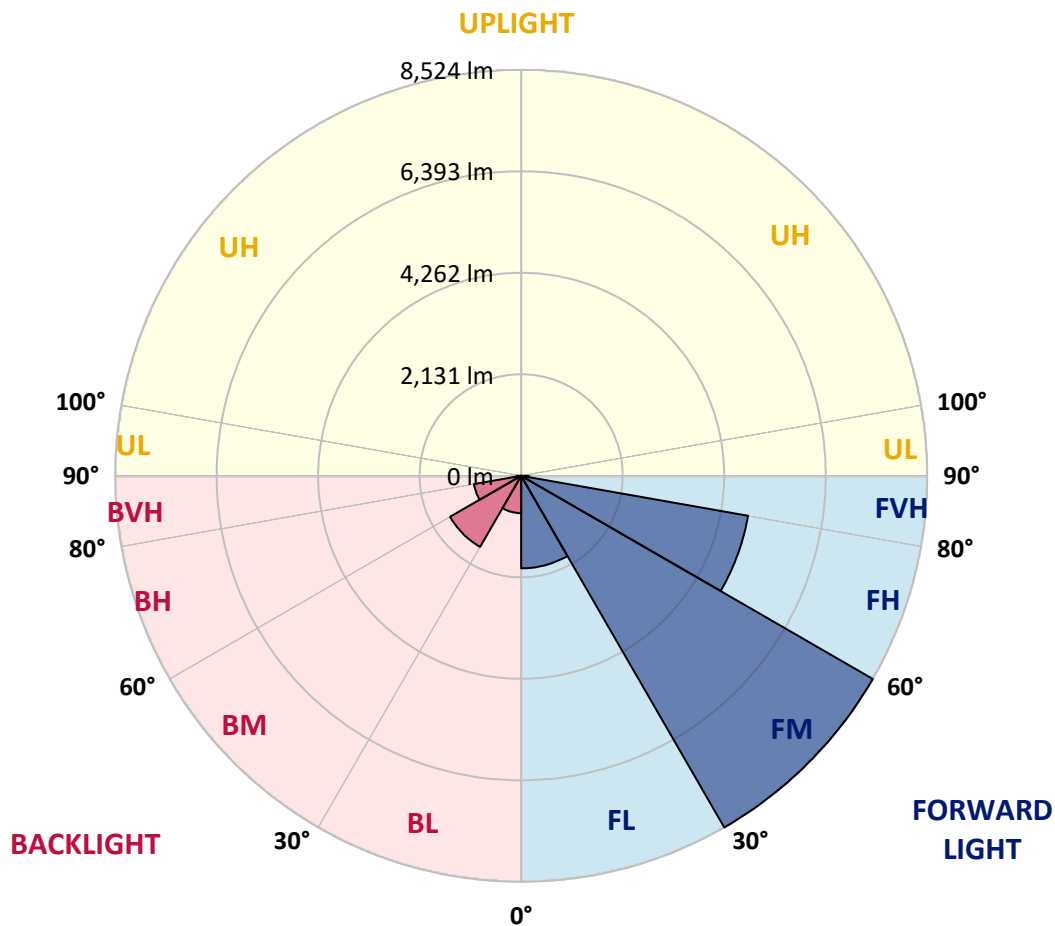
CATALOG NUMBER: GALN-SB5A-722-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1943.5	10.2			
FM	(30°-60°)	8524.2	44.7			
FH	(60°-80°)	4835.7	25.4			G2/5000
FVH	(80°-90°)	156.0	0.8			G2/225
BL	(0°-30°)	784.1	4.1	B2/1000		
BM	(30°-60°)	1722.7	9.0	B2/2500		
BH	(60°-80°)	1006.2	5.3	B3/2500		G3/2500
BVH	(80°-90°)	93.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



REPORT NUMBER: P950556

CATALOG NUMBER: GALN-SB5A-722-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2237.0	2237.0	2237.0	2237.0	2237.0	2237.0	2237.0	2237.0	2237.0	2237.0	2237.0
2.5°	2801.0	2820.7	2796.0	2796.0	2713.4	2670.1	2587.4	2524.4	2411.2	2391.5	2316.8
5°	3310.8	3335.4	3300.9	3286.2	3188.7	3099.2	2960.4	2823.6	2621.8	2601.2	2425.0
7.5°	3705.4	3736.9	3706.4	3690.7	3604.1	3503.7	3341.3	3150.4	2865.9	2825.6	2570.7
10°	4027.3	4032.2	4022.3	4028.2	3960.3	3877.7	3711.3	3488.9	3133.6	3078.5	2746.8
12.5°	4209.3	4232.0	4251.6	4287.1	4275.3	4224.1	4074.5	3808.8	3417.1	3346.2	2938.8
15°	4294.9	4334.3	4378.6	4460.3	4526.2	4539.0	4424.9	4152.2	3705.4	3619.8	3132.6
17.5°	4325.5	4362.9	4432.7	4550.8	4692.6	4788.0	4736.8	4485.9	3990.8	3892.4	3336.4
20°	4480.0	4490.8	4533.1	4645.3	4798.8	4957.3	4995.7	4806.7	4273.3	4162.1	3547.0
22.5°	4810.7	4789.0	4800.8	4852.0	4962.2	5115.8	5203.3	5090.2	4563.6	4435.7	3759.6
25°	5356.9	5293.9	5230.9	5171.8	5227.9	5314.6	5414.0	5373.6	4867.7	4705.3	3974.1
27.5°	6046.8	5970.0	5831.2	5637.4	5569.5	5600.0	5644.3	5636.4	5149.2	4984.9	4195.5
30°	6725.9	6636.3	6471.0	6190.5	6011.4	5930.7	5897.2	5874.6	5455.3	5280.1	4419.0
32.5°	7268.1	7197.3	7034.9	6720.9	6461.1	6323.3	6212.1	6131.4	5775.2	5600.0	4655.2
35°	7742.5	7676.6	7490.6	7148.1	6865.6	6719.0	6573.3	6401.1	6107.8	5930.7	4909.1
37.5°	8175.6	8109.6	7854.7	7498.4	7214.0	7112.6	6982.7	6690.4	6441.4	6274.1	5177.8
40°	8449.2	8434.4	8196.2	7792.7	7497.5	7447.3	7404.0	7026.0	6811.5	6656.0	5473.0
42.5°	8519.0	8551.5	8362.6	8030.9	7749.4	7709.1	7810.4	7405.9	7226.8	7078.2	5807.6
45°	8350.7	8444.2	8320.2	8094.9	7928.5	7906.9	8170.6	7821.3	7686.4	7550.6	6211.1
47.5°	7924.6	8083.0	8031.9	8000.4	7976.8	8070.3	8487.5	8262.2	8207.1	8089.0	6671.7
50°	7064.4	7364.6	7454.2	7653.0	7881.3	8197.2	8775.9	8743.4	8815.3	8696.2	7232.7
52.5°	5577.3	5990.7	6510.3	7008.3	7588.0	8154.9	9092.8	9434.3	9737.4	9672.5	8124.4
55°	4604.0	4790.0	5189.6	6102.9	7019.1	7976.8	9235.5	9992.3	10652.7	10594.7	8800.5
57.5°	3856.0	4022.3	4268.4	5031.1	6159.0	7572.3	9324.1	10332.9	11279.7	11273.7	9467.8
60°	3053.9	3230.1	3482.0	4022.3	5154.1	6873.5	9304.4	10720.6	12079.8	12129.0	10281.7
62.5°	2148.5	2342.3	2621.8	3125.7	4127.6	5968.0	8902.9	11001.1	13021.6	13155.5	11261.0
65°	1412.3	1540.2	1750.9	2185.9	3075.6	4803.8	8136.2	11037.5	14029.4	14255.8	12180.2
67.5°	990.1	1039.3	1163.3	1399.5	2027.4	3683.8	6914.8	10660.6	14701.6	14956.5	12578.8
70°	772.6	797.2	860.2	954.7	1273.5	2477.2	5298.8	9680.4	14557.9	14823.7	12162.5
72.5°	667.3	690.9	714.5	726.3	854.3	1529.4	3589.3	8093.9	13204.7	13384.8	10575.0
75°	605.3	611.2	630.9	626.9	651.5	992.1	2071.7	5897.2	10418.5	10356.5	7806.5
77.5°	508.8	516.7	549.2	544.2	578.7	678.1	1075.7	3805.8	6754.4	6333.2	4345.1
80°	431.1	435.0	470.4	464.5	502.9	491.1	549.2	1939.8	2864.9	2427.0	1252.9
82.5°	149.6	185.0	359.2	370.1	383.8	297.2	316.9	791.3	874.9	670.2	262.8
85°	72.8	77.7	183.1	259.8	258.8	149.6	154.5	282.5	275.6	216.5	87.6
87.5°	11.8	14.8	21.7	101.4	80.7	39.4	53.1	55.1	57.1	49.2	19.7
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: P950556

CATALOG NUMBER: GALN-SB5A-722-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2237.0	2237.0	2237.0	2237.0	2237.0	2237.0	2237.0	2237.0	2237.0	2237.0	2237.0
2.5°	2261.6	2212.4	2109.1	2013.6	1938.8	1867.0	1826.6	1792.2	1772.5	1768.6	1768.6
5°	2322.7	2221.3	2033.3	1874.9	1771.5	1694.8	1654.4	1628.8	1616.0	1608.1	1607.2
7.5°	2410.2	2261.6	1993.9	1813.8	1705.6	1650.5	1629.8	1625.9	1624.9	1625.9	1628.8
10°	2531.3	2327.6	1990.0	1799.1	1708.5	1678.0	1677.0	1678.0	1682.0	1682.9	1683.9
12.5°	2662.2	2395.5	2005.8	1811.9	1745.9	1729.2	1726.2	1725.3	1728.2	1730.2	1731.2
15°	2804.9	2485.0	2032.3	1839.4	1787.3	1769.6	1766.6	1760.7	1759.7	1758.7	1757.7
17.5°	2951.5	2573.6	2061.9	1869.0	1813.8	1789.2	1778.4	1764.6	1753.8	1750.9	1753.8
20°	3100.2	2661.2	2082.5	1883.7	1815.8	1781.4	1759.7	1736.1	1717.4	1706.6	1710.5
22.5°	3258.6	2752.7	2095.3	1879.8	1798.1	1750.9	1711.5	1683.9	1655.4	1636.7	1637.7
25°	3413.1	2832.5	2094.3	1859.1	1763.6	1703.6	1653.4	1618.0	1578.6	1558.9	1558.9
27.5°	3561.7	2904.3	2069.7	1822.7	1714.4	1647.5	1587.5	1545.2	1506.8	1488.1	1487.1
30°	3715.3	2964.3	2031.3	1769.6	1656.4	1582.6	1516.6	1480.2	1445.8	1428.0	1427.1
32.5°	3867.8	3019.5	1977.2	1703.6	1589.4	1518.6	1453.6	1420.2	1399.5	1399.5	1400.5
35°	4029.2	3057.8	1905.4	1626.8	1518.6	1450.7	1399.5	1379.8	1377.8	1366.0	1363.1
37.5°	4199.5	3082.4	1817.8	1548.1	1448.7	1384.7	1369.0	1345.4	1325.7	1300.1	1296.2
40°	4378.6	3107.0	1712.5	1466.4	1374.9	1339.5	1332.6	1301.1	1245.0	1182.0	1173.1
42.5°	4596.1	3123.8	1603.2	1384.7	1297.1	1285.3	1295.2	1241.0	1151.5	1104.2	1105.2
45°	4848.1	3151.3	1502.8	1304.0	1217.4	1217.4	1258.8	1187.9	1114.1	1084.6	1089.5
47.5°	5174.8	3215.3	1409.3	1215.5	1143.6	1163.3	1178.1	1123.9	1082.6	1046.2	1045.2
50°	5647.2	3368.8	1312.9	1125.9	1087.5	1126.9	1106.2	1074.7	1026.5	997.0	994.0
52.5°	6233.8	3459.4	1227.3	1045.2	1039.3	1078.7	1049.1	1019.6	983.2	943.8	936.0
55°	6633.4	3476.1	1155.4	986.1	1006.8	1002.9	992.1	965.5	945.8	893.6	894.6
57.5°	7080.2	3509.6	1096.4	950.7	986.1	942.8	938.9	916.3	890.7	855.2	843.4
60°	7614.6	3561.7	1045.2	936.9	968.4	903.5	883.8	874.9	849.3	831.6	836.6
62.5°	8197.2	3609.0	993.0	938.9	947.8	865.1	835.6	832.6	816.9	811.0	811.0
65°	8594.8	3480.0	928.1	936.9	915.3	825.7	788.3	787.3	774.5	772.6	771.6
67.5°	8456.0	3071.6	840.5	909.4	881.8	786.4	745.0	741.1	724.4	725.3	725.3
70°	7761.2	2489.0	719.4	841.5	840.5	750.9	699.7	687.0	664.3	668.3	672.2
72.5°	6458.2	1844.3	557.0	728.3	774.5	718.4	647.6	626.9	598.4	602.3	601.3
75°	4664.0	1253.8	405.5	554.1	674.2	680.1	596.4	561.0	526.5	532.4	534.4
77.5°	2386.6	710.6	298.2	381.9	529.5	618.1	550.2	502.9	495.0	550.2	542.3
80°	778.5	356.3	206.7	267.7	347.4	505.9	482.2	428.1	426.1	438.9	376.9
82.5°	232.3	150.6	132.9	176.2	191.9	387.8	416.3	323.8	278.5	293.3	303.1
85°	79.7	72.8	75.8	87.6	91.5	227.3	291.3	214.6	202.7	223.4	220.5
87.5°	18.7	25.6	21.7	19.7	19.7	55.1	113.2	89.6	124.0	82.7	79.7
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)