

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: P948414

Luminaire Tested: **GALN-SB3C-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948414
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-SB3C-722-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18907 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 149.1
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

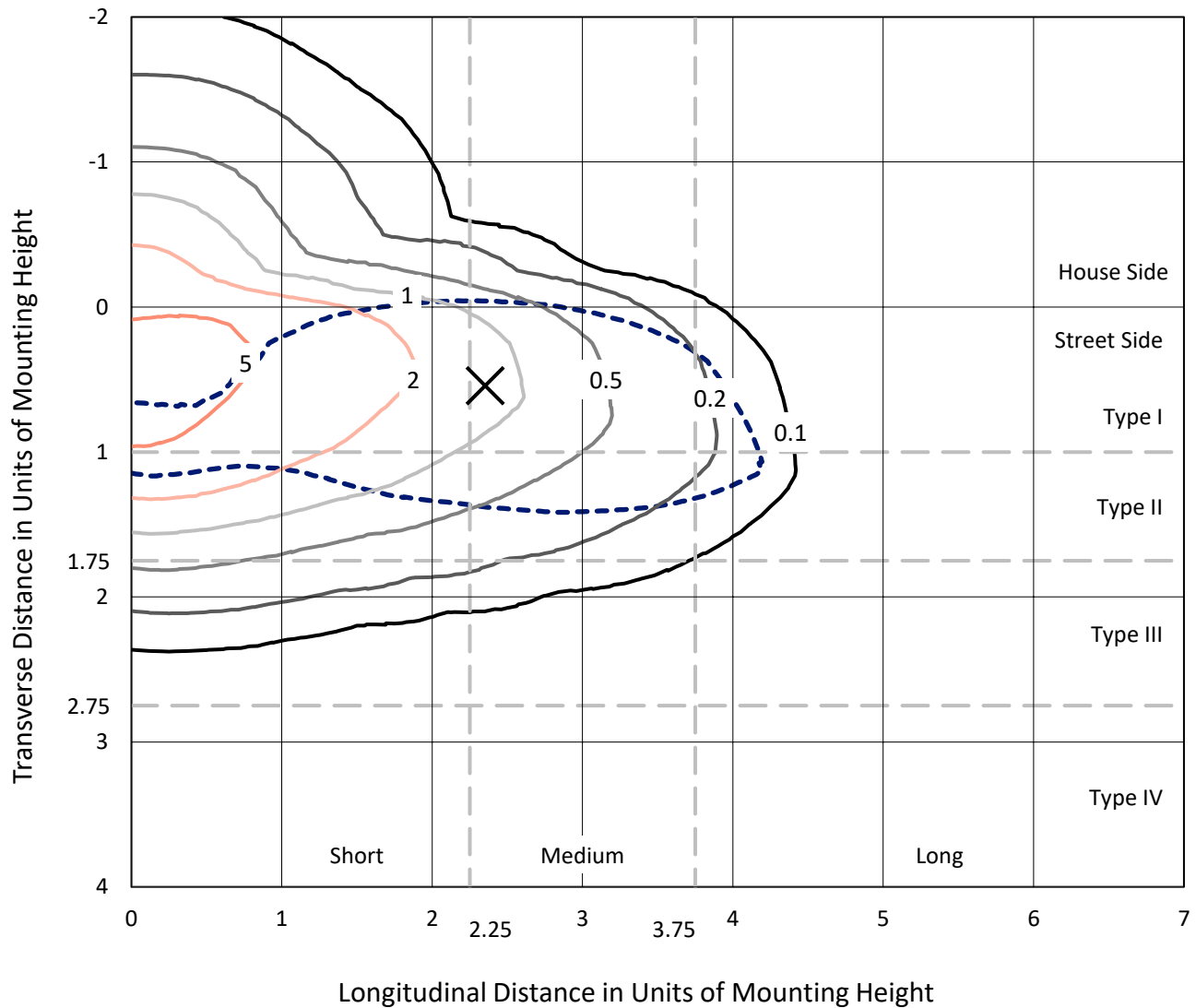


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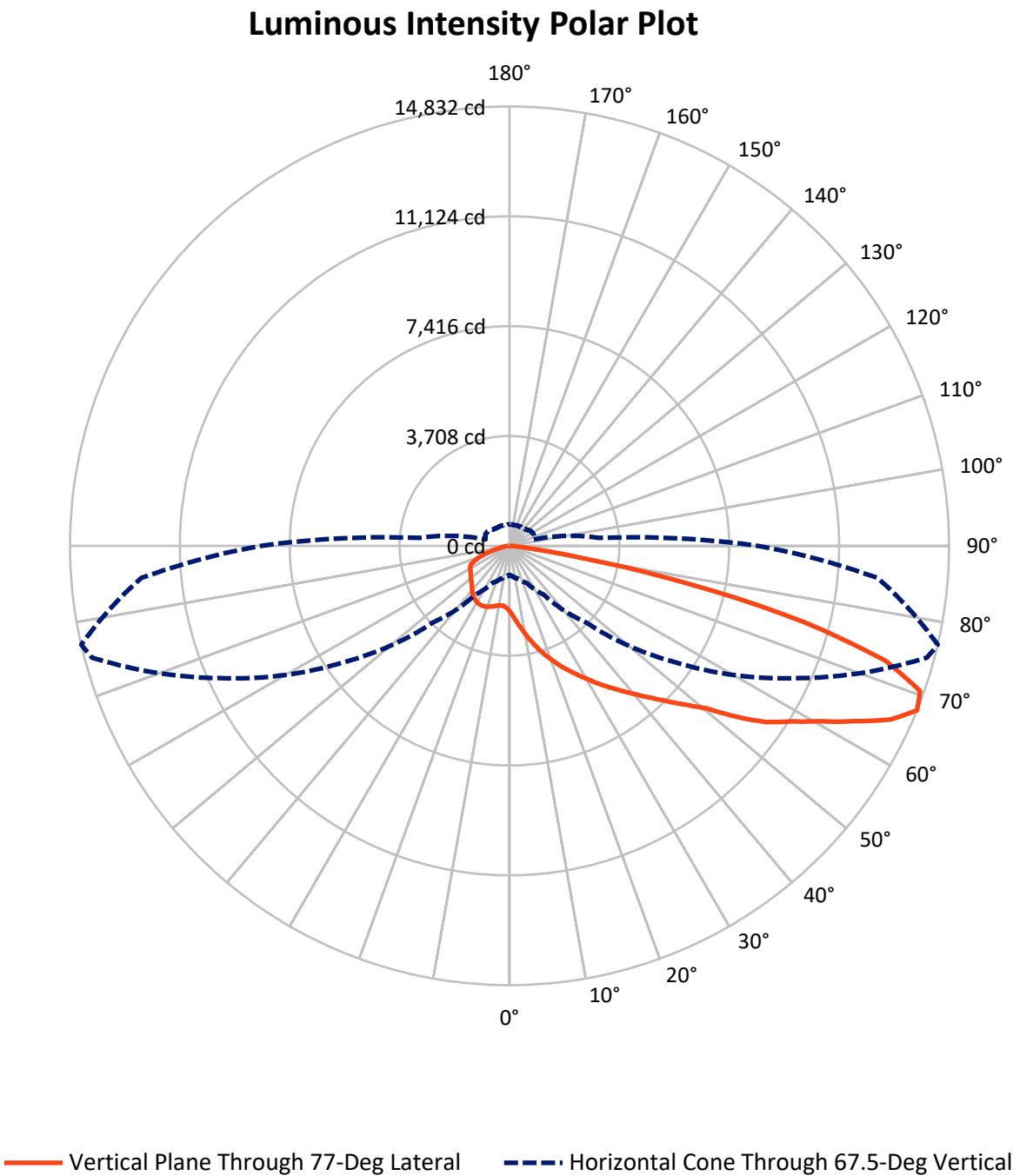
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
Type II - Medium - N/A

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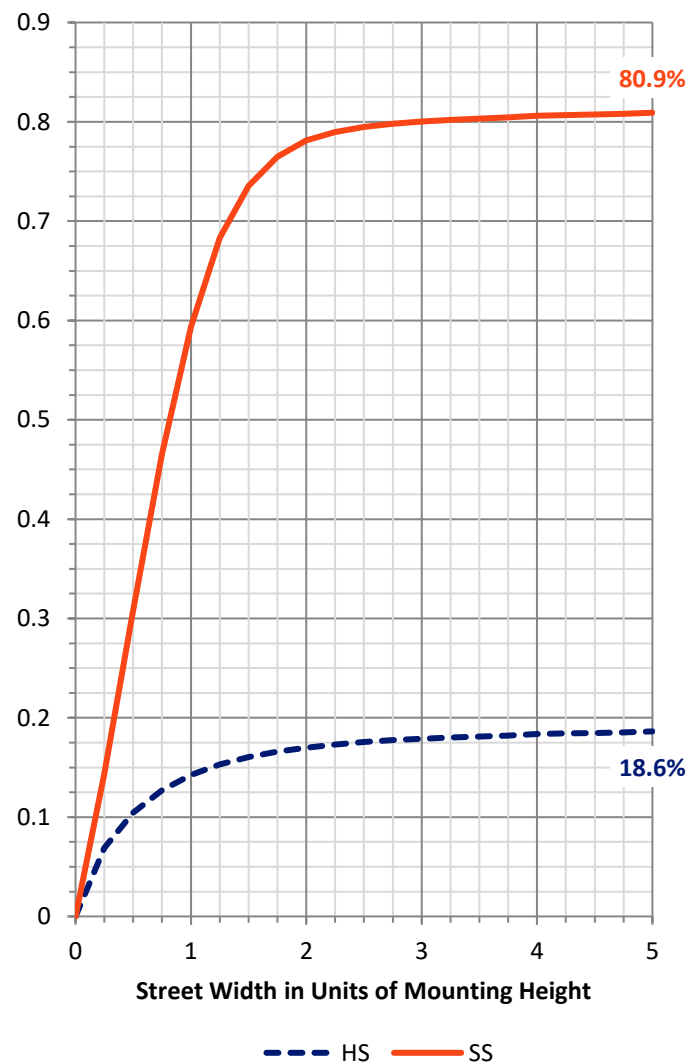
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3576.5	0.0	3576.5
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	15330.5	0.0	15330.5
	% Fixture	81.1	0.0	81.1
Total	Lumens	18907.0	0.0	18907.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.8	1.3
10°-20°	854.3	4.5
20°-30°	1612.9	8.5
30°-40°	2598.4	13.7
40°-50°	3554.1	18.8
50°-60°	4009.0	21.2
60°-70°	3741.9	19.8
70°-80°	2051.2	10.8
80°-90°	247.4	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°	18907.0	100.0
0°-180°	18907.0	100.0

Coefficient of Utilization



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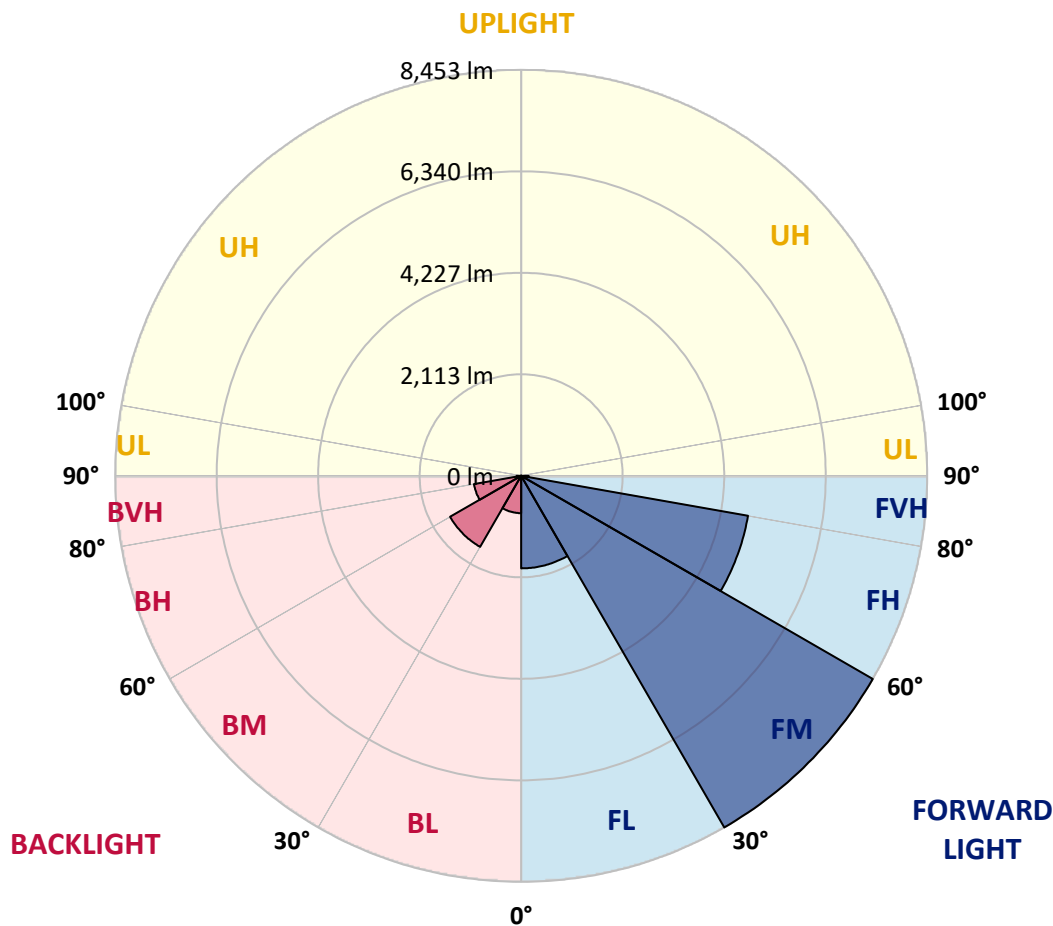
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1927.3	10.2			
FM	(30°-60°)	8453.1	44.7			
FH	(60°-80°)	4795.4	25.4			G2/5000
FVH	(80°-90°)	154.7	0.8			G2/225
BL	(0°-30°)	777.6	4.1	B2/1000		
BM	(30°-60°)	1708.4	9.0	B2/2500		
BH	(60°-80°)	997.8	5.3	B2/1000		G2/1000
BVH	(80°-90°)	92.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4
2.5°	2777.6	2797.1	2772.7	2772.7	2690.7	2647.8	2565.8	2503.4	2391.1	2371.6	2297.4
5°	3283.2	3307.6	3273.4	3258.8	3162.1	3073.3	2935.7	2800.1	2600.0	2579.5	2404.8
7.5°	3674.5	3705.8	3675.5	3659.9	3574.0	3474.5	3313.4	3124.1	2842.0	2802.0	2549.2
10°	3993.7	3998.5	3988.8	3994.6	3927.3	3845.3	3680.4	3459.8	3107.5	3052.8	2723.9
12.5°	4174.2	4196.7	4216.2	4251.3	4239.6	4188.9	4040.5	3777.0	3388.6	3318.3	2914.2
15°	4259.1	4298.2	4342.1	4423.1	4488.5	4501.2	4388.0	4117.6	3674.5	3589.6	3106.5
17.5°	4289.4	4326.5	4395.8	4512.9	4653.4	4748.1	4697.3	4448.5	3957.6	3860.0	3308.5
20°	4442.6	4453.3	4495.3	4606.6	4758.8	4916.0	4954.0	4766.6	4237.7	4127.4	3517.4
22.5°	4770.5	4749.1	4760.8	4811.5	4920.8	5073.1	5160.0	5047.7	4525.6	4398.7	3728.2
25°	5312.2	5249.7	5187.3	5128.7	5184.3	5270.2	5368.8	5328.8	4827.1	4666.1	3941.0
27.5°	5996.4	5920.2	5782.6	5590.4	5523.0	5553.3	5597.2	5589.4	5106.3	4943.3	4160.6
30°	6669.8	6581.0	6417.0	6138.8	5961.2	5881.2	5848.0	5825.6	5409.8	5236.1	4382.1
32.5°	7207.5	7137.3	6976.2	6664.9	6407.2	6270.6	6160.3	6080.3	5727.0	5553.3	4616.3
35°	7678.0	7612.6	7428.1	7088.5	6808.4	6662.9	6518.5	6347.7	6056.9	5881.2	4868.1
37.5°	8107.4	8042.0	7789.2	7435.9	7153.9	7053.3	6924.5	6634.6	6387.7	6221.8	5134.6
40°	8378.7	8364.1	8127.9	7727.7	7434.9	7385.2	7342.2	6967.4	6754.7	6600.5	5427.4
42.5°	8448.0	8480.2	8292.8	7963.9	7684.8	7644.8	7745.3	7344.2	7166.5	7019.2	5759.2
45°	8281.1	8373.8	8250.8	8027.3	7862.4	7840.9	8102.5	7756.0	7622.3	7487.6	6159.3
47.5°	7858.5	8015.6	7964.9	7933.7	7910.2	8002.9	8416.8	8193.3	8138.6	8021.5	6616.1
50°	7005.5	7303.2	7392.0	7589.1	7815.6	8128.8	8702.7	8670.5	8741.8	8623.7	7172.4
52.5°	5530.8	5940.7	6456.0	6949.9	7524.7	8086.9	9017.0	9355.6	9656.2	9591.8	8056.6
55°	4565.6	4750.0	5146.3	6052.0	6960.6	7910.2	9158.5	9909.0	10563.9	10506.3	8727.1
57.5°	3823.8	3988.8	4232.8	4989.2	6107.6	7509.1	9246.3	10246.7	11185.6	11179.7	9388.8
60°	3028.4	3203.1	3453.0	3988.8	5111.2	6816.2	9226.8	10631.2	11979.0	12027.8	10196.0
62.5°	2130.5	2322.8	2600.0	3099.7	4093.2	5918.3	8828.6	10909.4	12913.1	13045.8	11167.0
65°	1400.5	1527.4	1736.2	2167.6	3049.9	4763.7	8068.3	10945.5	13912.4	14136.9	12078.6
67.5°	981.8	1030.6	1153.6	1387.8	2010.5	3653.1	6857.2	10571.7	14579.0	14831.8	12473.9
70°	766.1	790.5	853.0	946.7	1262.9	2456.5	5254.6	9599.6	14436.5	14700.1	12061.0
72.5°	661.7	685.1	708.6	720.3	847.1	1516.7	3559.4	8026.4	13094.6	13273.2	10486.8
75°	600.2	606.1	625.6	621.7	646.1	983.8	2054.4	5848.0	10331.6	10270.1	7741.4
77.5°	504.6	512.4	544.6	539.7	573.9	672.4	1066.7	3774.1	6698.1	6280.4	4308.9
80°	427.5	431.4	466.5	460.7	498.7	487.0	544.6	1923.6	2841.0	2406.7	1242.4
82.5°	148.3	183.5	356.2	367.0	380.6	294.7	314.3	784.7	867.6	664.6	260.6
85°	72.2	77.1	181.5	257.7	256.7	148.3	153.2	280.1	273.3	214.7	86.9
87.5°	11.7	14.6	21.5	100.5	80.0	39.0	52.7	54.7	56.6	48.8	19.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4
2.5°	2242.8	2194.0	2091.5	1996.8	1922.7	1851.4	1811.4	1777.2	1757.7	1753.8	1753.8
5°	2303.3	2202.8	2016.4	1859.2	1756.7	1680.6	1640.6	1615.2	1602.5	1594.7	1593.8
7.5°	2390.1	2242.8	1977.3	1798.7	1691.4	1636.7	1616.2	1612.3	1611.3	1612.3	1615.2
10°	2510.2	2308.2	1973.4	1784.1	1694.3	1664.0	1663.1	1664.0	1667.9	1668.9	1669.9
12.5°	2640.0	2375.5	1989.0	1796.8	1731.4	1714.8	1711.9	1710.9	1713.8	1715.8	1716.7
15°	2781.5	2464.3	2015.4	1824.1	1772.4	1754.8	1751.9	1746.0	1745.0	1744.1	1743.1
17.5°	2926.9	2552.2	2044.7	1853.4	1798.7	1774.3	1763.6	1749.9	1739.2	1736.2	1739.2
20°	3074.3	2639.0	2065.2	1868.0	1800.7	1766.5	1745.0	1721.6	1703.1	1692.3	1696.2
22.5°	3231.4	2729.8	2077.8	1864.1	1783.1	1736.2	1697.2	1669.9	1641.6	1623.0	1624.0
25°	3384.7	2808.8	2076.9	1843.6	1748.9	1689.4	1639.6	1604.5	1565.5	1545.9	1545.9
27.5°	3532.0	2880.1	2052.5	1807.5	1700.1	1633.8	1574.2	1532.3	1494.2	1475.7	1474.7
30°	3684.3	2939.6	2014.4	1754.8	1642.6	1569.4	1504.0	1467.9	1433.7	1416.1	1415.2
32.5°	3835.6	2994.3	1960.7	1689.4	1576.2	1505.9	1441.5	1408.3	1387.8	1387.8	1388.8
35°	3995.6	3032.3	1889.5	1613.3	1505.9	1438.6	1387.8	1368.3	1366.4	1354.6	1351.7
37.5°	4164.5	3056.7	1802.6	1535.2	1436.6	1373.2	1357.6	1334.2	1314.6	1289.3	1285.4
40°	4342.1	3081.1	1698.2	1454.2	1363.4	1328.3	1321.5	1290.2	1234.6	1172.1	1163.4
42.5°	4557.8	3097.7	1589.9	1373.2	1286.3	1274.6	1284.4	1230.7	1141.9	1095.0	1096.0
45°	4807.6	3125.1	1490.3	1293.2	1207.3	1207.3	1248.3	1178.0	1104.8	1075.5	1080.4
47.5°	5131.6	3188.5	1397.6	1205.3	1134.1	1153.6	1168.2	1114.6	1073.6	1037.5	1036.5
50°	5600.1	3340.7	1301.9	1116.5	1078.4	1117.5	1097.0	1065.8	1017.9	988.7	985.7
52.5°	6181.8	3430.5	1217.0	1036.5	1030.6	1069.7	1040.4	1011.1	975.0	936.0	928.1
55°	6578.0	3447.1	1145.8	977.9	998.4	994.5	983.8	957.4	937.9	886.2	887.2
57.5°	7021.1	3480.3	1087.2	942.8	977.9	935.0	931.1	908.6	883.3	848.1	836.4
60°	7551.1	3532.0	1036.5	929.1	960.4	895.9	876.4	867.6	842.3	824.7	829.6
62.5°	8128.8	3578.9	984.8	931.1	939.9	857.9	828.6	825.7	810.1	804.2	804.2
65°	8523.1	3451.0	920.3	929.1	907.7	818.8	781.8	780.8	768.1	766.1	765.2
67.5°	8385.5	3046.0	833.5	901.8	874.5	779.8	738.8	734.9	718.3	719.3	719.3
70°	7696.5	2468.2	713.4	834.5	833.5	744.7	693.9	681.2	658.8	662.7	666.6
72.5°	6404.3	1829.0	552.4	722.2	768.1	712.5	642.2	621.7	593.4	597.3	596.3
75°	4625.1	1243.4	402.1	549.5	668.5	674.4	591.4	556.3	522.1	528.0	530.0
77.5°	2366.7	704.6	295.7	378.7	525.1	612.9	545.6	498.7	490.9	545.6	537.8
80°	772.0	353.3	205.0	265.5	344.5	501.6	478.2	424.5	422.6	435.3	373.8
82.5°	230.3	149.3	131.8	174.7	190.3	384.5	412.8	321.1	276.2	290.8	300.6
85°	79.1	72.2	75.1	86.9	90.8	225.4	288.9	212.8	201.0	221.5	218.6
87.5°	18.5	25.4	21.5	19.5	19.5	54.7	112.2	88.8	123.0	82.0	79.1
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)