

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: P947700

Luminaire Tested: **GALN-SB3A-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947700
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-SB3A-722-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 11325 lumens
Efficiency: N/A
Efficacy: 133.7 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): 84.7
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

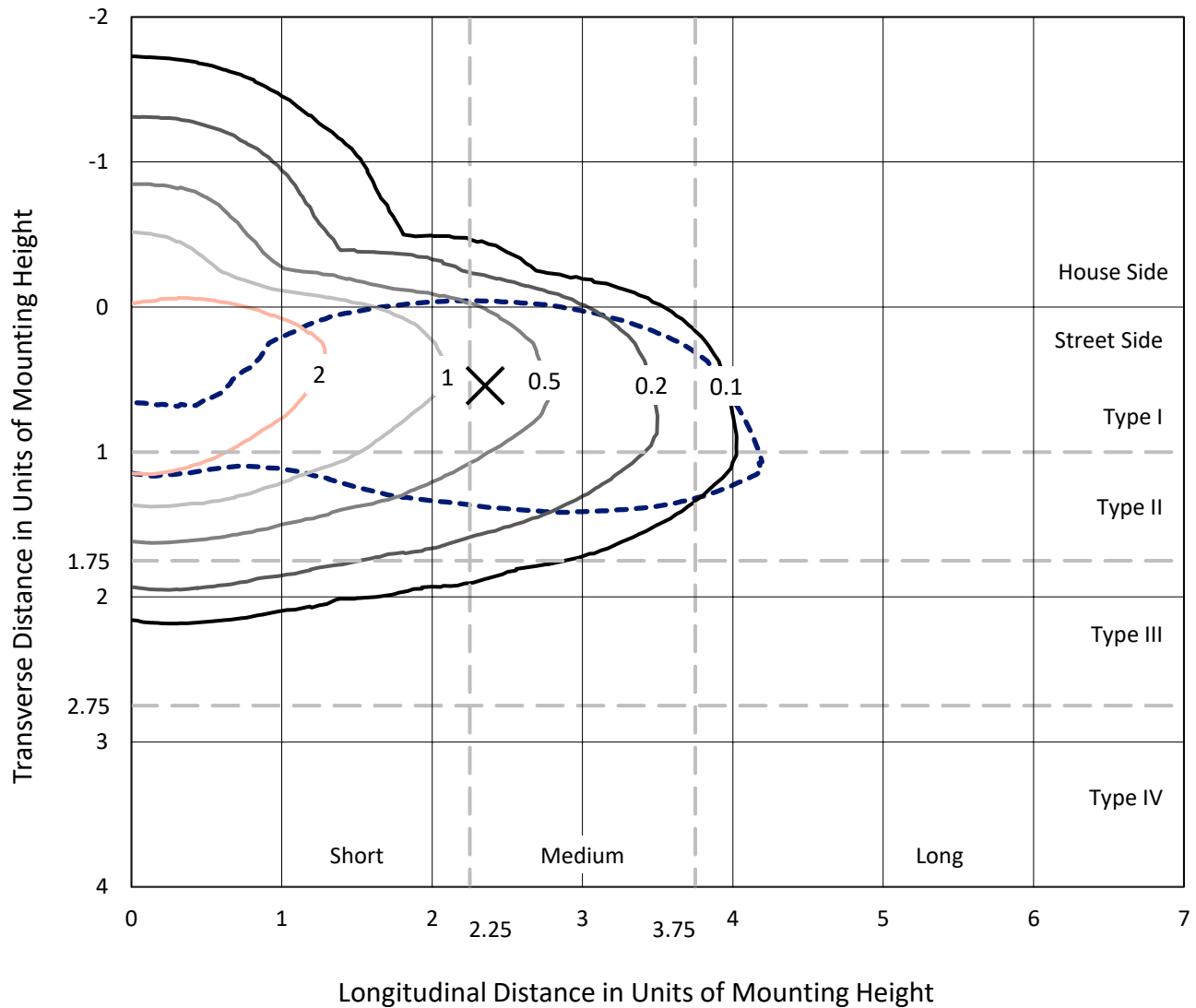


REPORT NUMBER: P947700

CATALOG NUMBER: GALN-SB3A-722-U-T2R

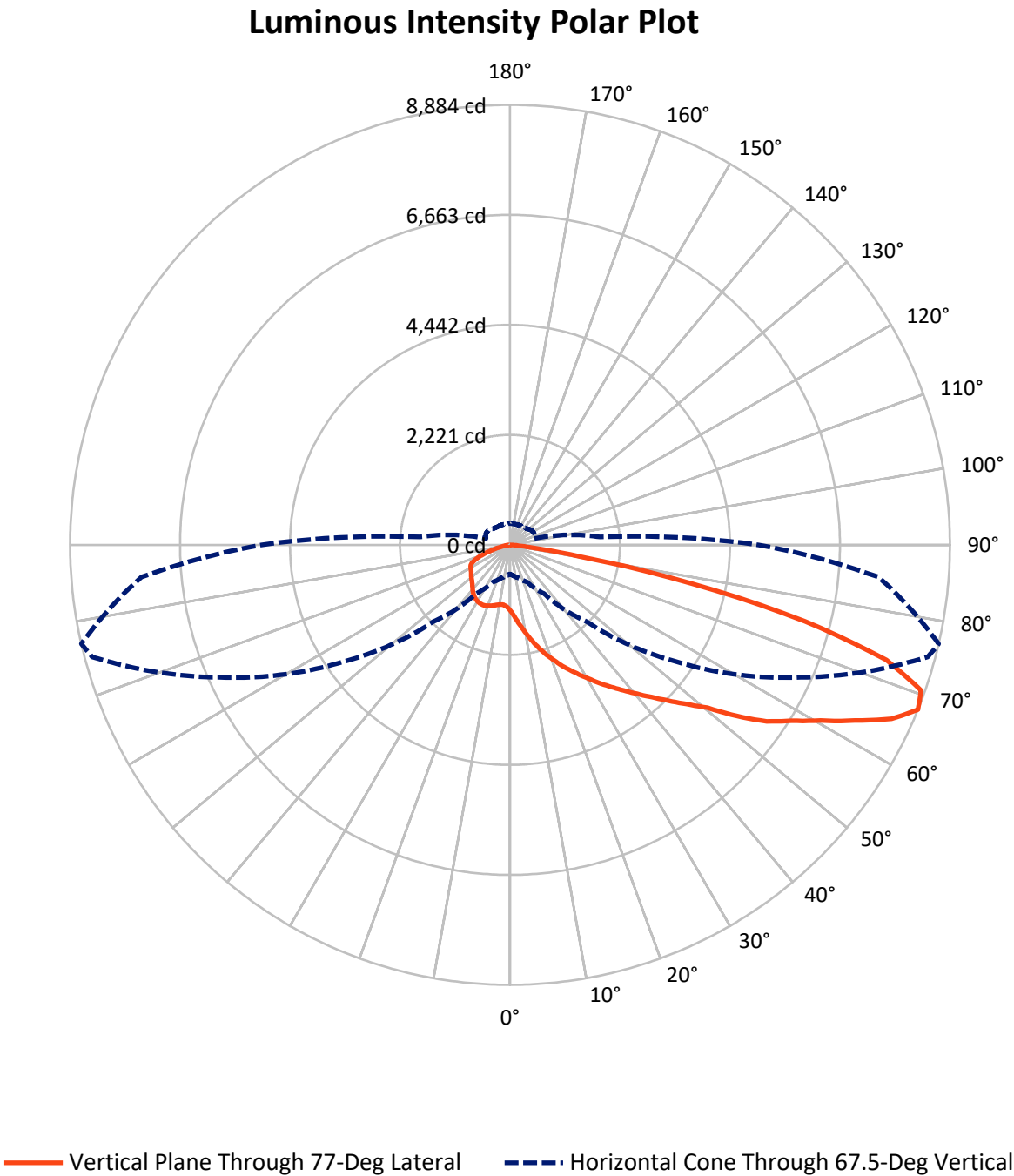
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
Type II - Medium - N/A

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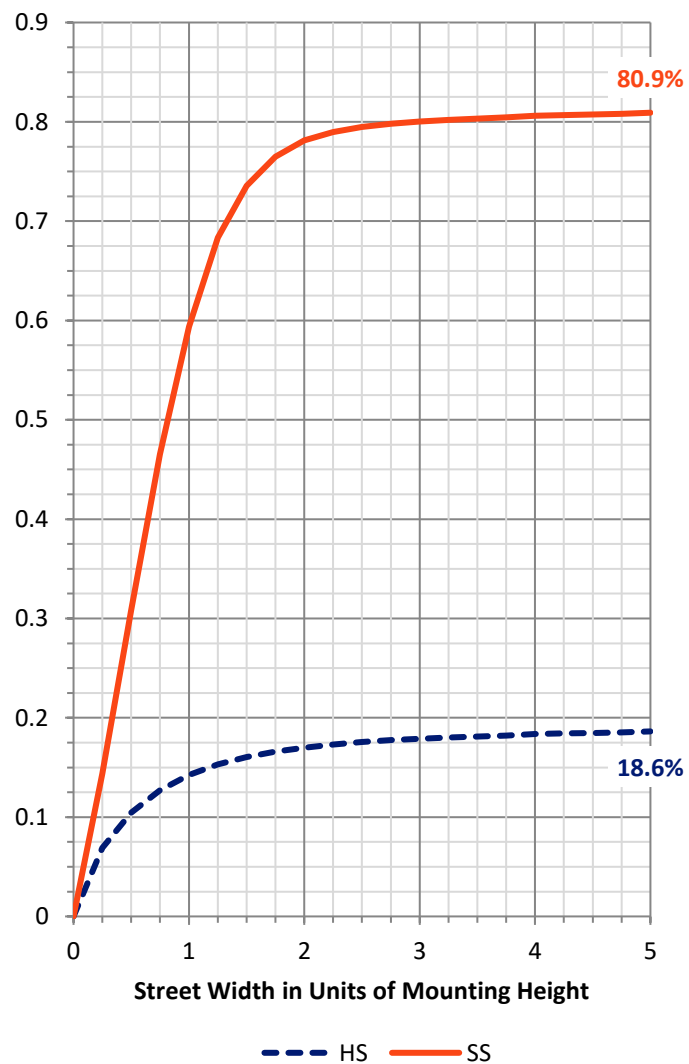
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2142.2	0.0	2142.2
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	9182.8	0.0	9182.8
	% Fixture	81.1	0.0	81.1
Total	Lumens	11325.0	0.0	11325.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.4	1.3
10°-20°	511.7	4.5
20°-30°	966.1	8.5
30°-40°	1556.4	13.7
40°-50°	2128.8	18.8
50°-60°	2401.3	21.2
60°-70°	2241.4	19.8
70°-80°	1228.6	10.8
80°-90°	148.2	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°	11325.0	100.0
0°-180°	11325.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947700

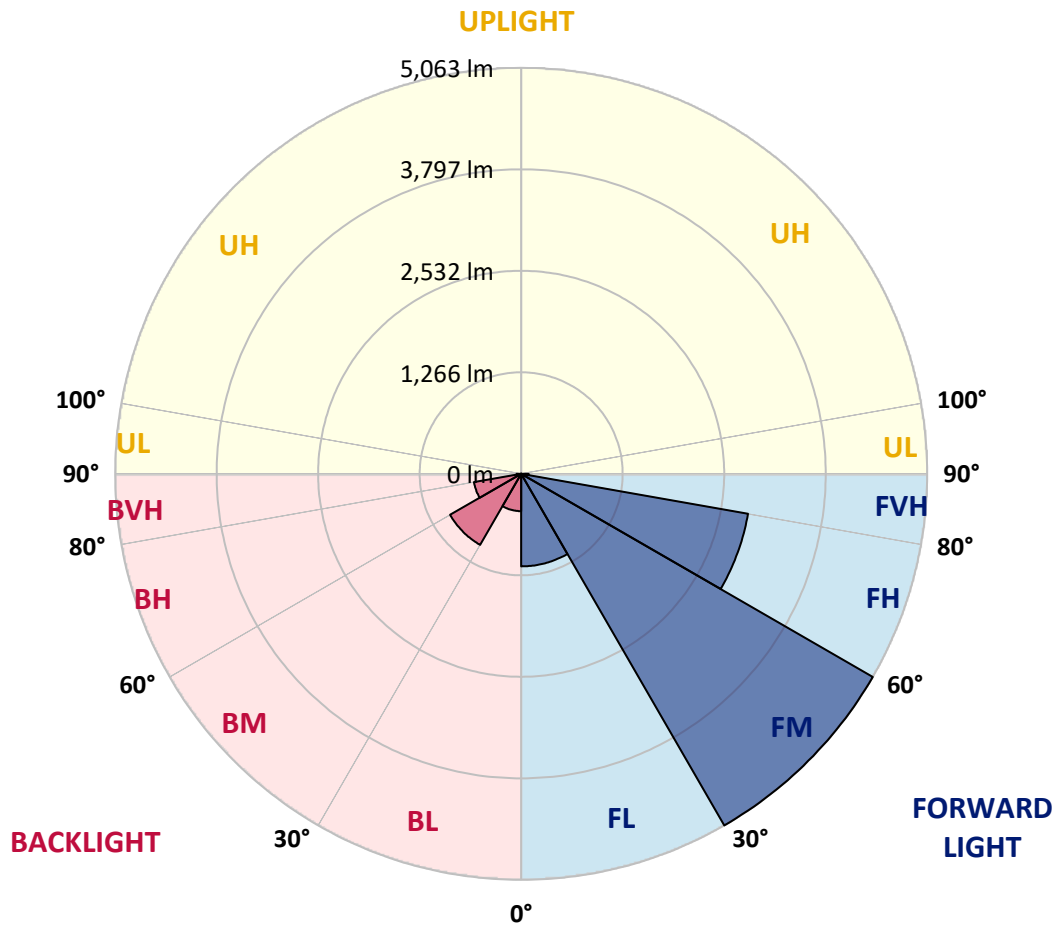
CATALOG NUMBER: GALN-SB3A-722-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1154.4	10.2			
FM	(30°-60°)	5063.3	44.7			
FH	(60°-80°)	2872.4	25.4			G2/5000
FVH	(80°-90°)	92.7	0.8			G1/100
BL	(0°-30°)	465.8	4.1	B1/500		
BM	(30°-60°)	1023.3	9.0	B2/2500		
BH	(60°-80°)	597.7	5.3	B2/1000		G2/1000
BVH	(80°-90°)	55.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



REPORT NUMBER: P947700

CATALOG NUMBER: GALN-SB3A-722-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1328.8	1328.8	1328.8	1328.8	1328.8	1328.8	1328.8	1328.8	1328.8	1328.8	1328.8
2.5°	1663.7	1675.4	1660.8	1660.8	1611.7	1586.0	1536.9	1499.5	1432.2	1420.6	1376.1
5°	1966.6	1981.2	1960.7	1951.9	1894.1	1840.9	1758.4	1677.2	1557.3	1545.1	1440.4
7.5°	2201.0	2219.7	2201.6	2192.2	2140.8	2081.1	1984.7	1871.3	1702.3	1678.4	1527.0
10°	2392.1	2395.1	2389.2	2392.7	2352.4	2303.3	2204.5	2072.4	1861.3	1828.6	1631.6
12.5°	2500.3	2513.7	2525.4	2546.5	2539.5	2509.1	2420.2	2262.4	2029.7	1987.6	1745.6
15°	2551.2	2574.5	2600.8	2649.4	2688.5	2696.1	2628.3	2466.4	2201.0	2150.1	1860.8
17.5°	2569.3	2591.5	2633.0	2703.1	2787.3	2844.0	2813.6	2664.6	2370.5	2312.1	1981.8
20°	2661.1	2667.5	2692.6	2759.3	2850.5	2944.6	2967.4	2855.1	2538.3	2472.2	2106.9
22.5°	2857.5	2844.6	2851.6	2882.0	2947.5	3038.7	3090.7	3023.5	2710.7	2634.7	2233.1
25°	3181.9	3144.5	3107.1	3072.0	3105.3	3156.8	3215.8	3191.9	2891.4	2794.9	2360.6
27.5°	3591.7	3546.1	3463.7	3348.5	3308.2	3326.3	3352.6	3348.0	3058.6	2961.0	2492.1
30°	3995.1	3941.9	3843.7	3677.1	3570.7	3522.7	3502.9	3489.4	3240.4	3136.3	2624.8
32.5°	4317.2	4275.1	4178.7	3992.2	3837.8	3756.0	3689.9	3642.0	3430.4	3326.3	2765.1
35°	4599.0	4559.8	4449.3	4245.9	4078.1	3991.0	3904.5	3802.2	3628.0	3522.7	2915.9
37.5°	4856.2	4817.0	4665.6	4454.0	4285.0	4224.8	4147.7	3974.0	3826.1	3726.8	3075.5
40°	5018.7	5009.9	4868.5	4628.8	4453.4	4423.6	4397.9	4173.4	4046.0	3953.6	3250.9
42.5°	5060.2	5079.5	4967.3	4770.3	4603.1	4579.1	4639.3	4399.0	4292.6	4204.4	3449.7
45°	4960.3	5015.8	4942.1	4808.3	4709.5	4696.6	4853.3	4645.7	4565.7	4485.0	3689.4
47.5°	4707.1	4801.2	4770.8	4752.1	4738.1	4793.6	5041.5	4907.6	4874.9	4804.7	3962.9
50°	4196.2	4374.5	4427.7	4545.8	4681.4	4869.1	5212.8	5193.5	5236.2	5165.4	4296.2
52.5°	3312.9	3558.4	3867.1	4162.9	4507.2	4843.9	5401.0	5603.9	5783.9	5745.4	4825.8
55°	2734.7	2845.2	3082.5	3625.0	4169.3	4738.1	5485.8	5935.3	6327.6	6293.1	5227.4
57.5°	2290.4	2389.2	2535.4	2988.4	3658.4	4497.8	5538.4	6137.6	6700.0	6696.5	5623.8
60°	1814.0	1918.6	2068.3	2389.2	3061.5	4082.8	5526.7	6367.9	7175.3	7204.5	6107.2
62.5°	1276.2	1391.3	1557.3	1856.7	2451.8	3545.0	5288.2	6534.6	7734.7	7814.2	6688.9
65°	838.9	914.9	1040.0	1298.4	1826.8	2853.4	4832.8	6556.2	8333.3	8467.8	7234.9
67.5°	588.1	617.3	691.0	831.3	1204.3	2188.1	4107.3	6332.3	8732.6	8884.0	7471.7
70°	458.9	473.5	510.9	567.1	756.5	1471.4	3147.4	5750.0	8647.3	8805.1	7224.4
72.5°	396.4	410.4	424.4	431.4	507.4	908.5	2132.0	4807.7	7843.5	7950.4	6281.4
75°	359.5	363.0	374.7	372.4	387.0	589.3	1230.6	3502.9	6188.5	6151.6	4637.0
77.5°	302.2	306.9	326.2	323.3	343.7	402.8	639.0	2260.6	4012.0	3761.8	2581.0
80°	256.1	258.4	279.4	275.9	298.7	291.7	326.2	1152.2	1701.7	1441.6	744.2
82.5°	88.9	109.9	213.4	219.8	228.0	176.5	188.2	470.0	519.7	398.1	156.1
85°	43.3	46.2	108.7	154.3	153.7	88.9	91.8	167.8	163.7	128.6	52.0
87.5°	7.0	8.8	12.9	60.2	47.9	23.4	31.6	32.7	33.9	29.2	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: P947700

CATALOG NUMBER: GALN-SB3A-722-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1328.8	1328.8	1328.8	1328.8	1328.8	1328.8	1328.8	1328.8	1328.8	1328.8	1328.8
2.5°	1343.4	1314.2	1252.8	1196.1	1151.6	1109.0	1085.0	1064.5	1052.8	1050.5	1050.5
5°	1379.6	1319.4	1207.8	1113.6	1052.3	1006.7	982.7	967.5	959.9	955.2	954.6
7.5°	1431.7	1343.4	1184.4	1077.4	1013.1	980.4	968.1	965.7	965.2	965.7	967.5
10°	1503.6	1382.6	1182.0	1068.6	1014.8	996.7	996.1	996.7	999.1	999.6	1000.2
12.5°	1581.3	1422.9	1191.4	1076.2	1037.1	1027.1	1025.4	1024.8	1026.5	1027.7	1028.3
15°	1666.1	1476.1	1207.2	1092.6	1061.6	1051.1	1049.3	1045.8	1045.2	1044.7	1044.1
17.5°	1753.2	1528.7	1224.7	1110.1	1077.4	1062.8	1056.4	1048.2	1041.7	1040.0	1041.7
20°	1841.5	1580.7	1237.0	1118.9	1078.6	1058.1	1045.2	1031.2	1020.1	1013.7	1016.0
22.5°	1935.6	1635.1	1244.6	1116.6	1068.0	1040.0	1016.6	1000.2	983.3	972.2	972.8
25°	2027.4	1682.5	1244.0	1104.3	1047.6	1011.9	982.1	961.1	937.7	926.0	926.0
27.5°	2115.6	1725.1	1229.4	1082.7	1018.4	978.6	942.9	917.8	895.0	883.9	883.3
30°	2206.8	1760.8	1206.6	1051.1	983.9	940.0	900.9	879.2	858.8	848.2	847.7
32.5°	2297.4	1793.5	1174.4	1011.9	944.1	902.0	863.4	843.6	831.3	831.3	831.9
35°	2393.3	1816.3	1131.8	966.3	902.0	861.7	831.3	819.6	818.4	811.4	809.7
37.5°	2494.4	1830.9	1079.7	919.6	860.5	822.5	813.2	799.1	787.4	772.2	769.9
40°	2600.8	1845.6	1017.2	871.0	816.7	795.6	791.5	772.8	739.5	702.1	696.8
42.5°	2730.0	1855.5	952.3	822.5	770.5	763.5	769.3	737.2	684.0	655.9	656.5
45°	2879.7	1871.9	892.7	774.6	723.1	723.1	747.7	705.6	661.8	644.2	647.1
47.5°	3073.8	1909.9	837.1	722.0	679.3	691.0	699.8	667.6	643.0	621.4	620.8
50°	3354.4	2001.1	779.8	668.8	646.0	669.4	657.1	638.4	609.7	592.2	590.4
52.5°	3702.8	2054.8	729.0	620.8	617.3	640.7	623.2	605.6	584.0	560.6	555.9
55°	3940.1	2064.8	686.3	585.8	598.0	595.7	589.3	573.5	561.8	530.8	531.4
57.5°	4205.5	2084.6	651.2	564.7	585.8	560.0	557.7	544.3	529.1	508.0	501.0
60°	4523.0	2115.6	620.8	556.5	575.2	536.7	525.0	519.7	504.5	494.0	496.9
62.5°	4869.1	2143.7	589.9	557.7	563.0	513.9	496.3	494.6	485.2	481.7	481.7
65°	5105.2	2067.1	551.3	556.5	543.7	490.5	468.3	467.7	460.1	458.9	458.3
67.5°	5022.8	1824.5	499.2	540.2	523.8	467.1	442.5	440.2	430.3	430.8	430.8
70°	4610.1	1478.4	427.3	499.8	499.2	446.0	415.6	408.0	394.6	396.9	399.3
72.5°	3836.1	1095.5	330.9	432.6	460.1	426.8	384.7	372.4	355.4	357.8	357.2
75°	2770.4	744.8	240.9	329.1	400.4	404.0	354.3	333.2	312.8	316.3	317.4
77.5°	1417.6	422.1	177.1	226.8	314.5	367.1	326.8	298.7	294.0	326.8	322.1
80°	462.4	211.6	122.8	159.0	206.4	300.5	286.4	254.3	253.1	260.7	223.9
82.5°	138.0	89.4	78.9	104.6	114.0	230.3	247.3	192.3	165.4	174.2	180.1
85°	47.4	43.3	45.0	52.0	54.4	135.0	173.0	127.4	120.4	132.7	130.9
87.5°	11.1	15.2	12.9	11.7	11.7	32.7	67.2	53.2	73.7	49.1	47.4
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)