

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: P939399

Luminaire Tested: **GALN-SB2A-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2A-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7324 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 57.3
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



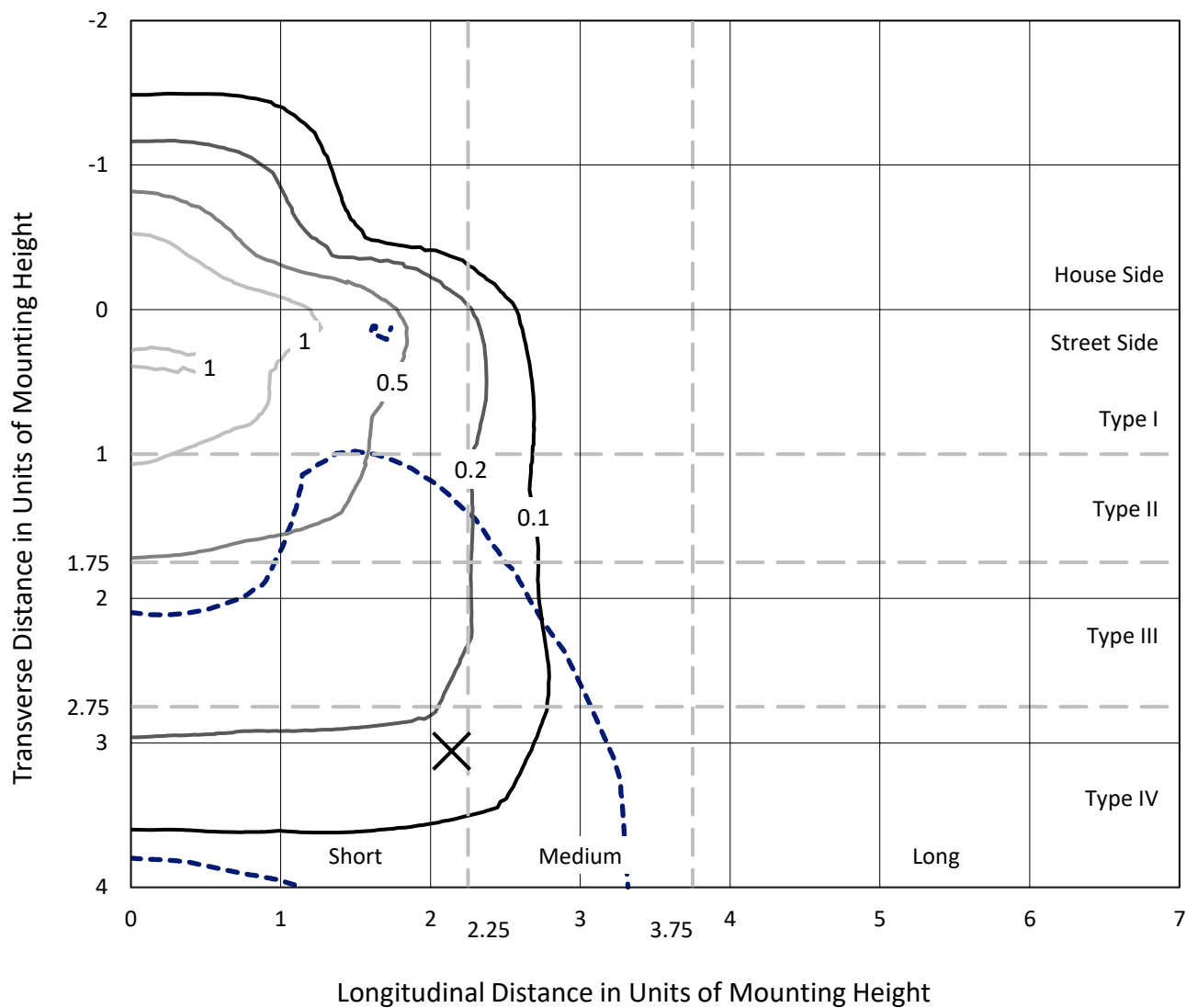
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

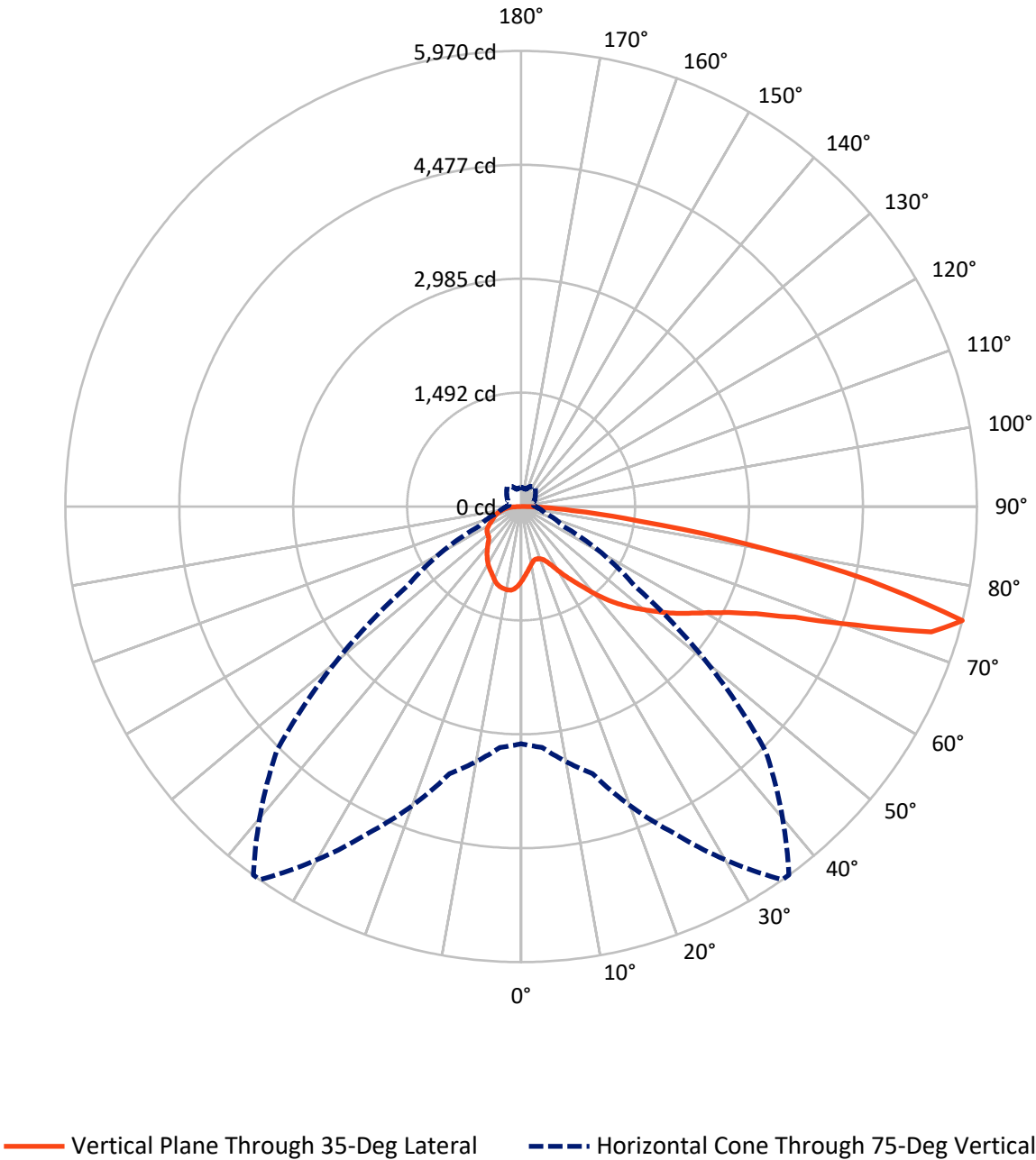


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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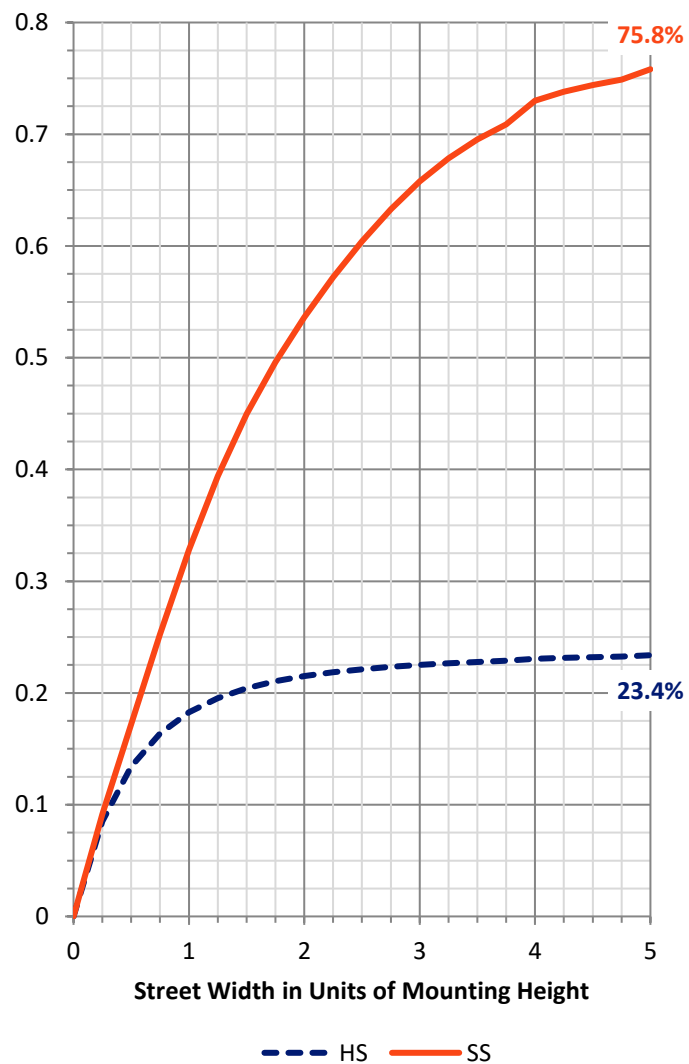
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1742.9	0.0	1742.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	5581.1	0.0	5581.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	7324.0	0.0	7324.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	1.3
10°-20°	266.5	3.6
20°-30°	447.6	6.1
30°-40°	695.6	9.5
40°-50°	1032.5	14.1
50°-60°	1425.4	19.5
60°-70°	1729.3	23.6
70°-80°	1429.1	19.5
80°-90°	205.6	2.8
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°	7324.0	100.0
0°-180°	7324.0	100.0

Coefficient of Utilization



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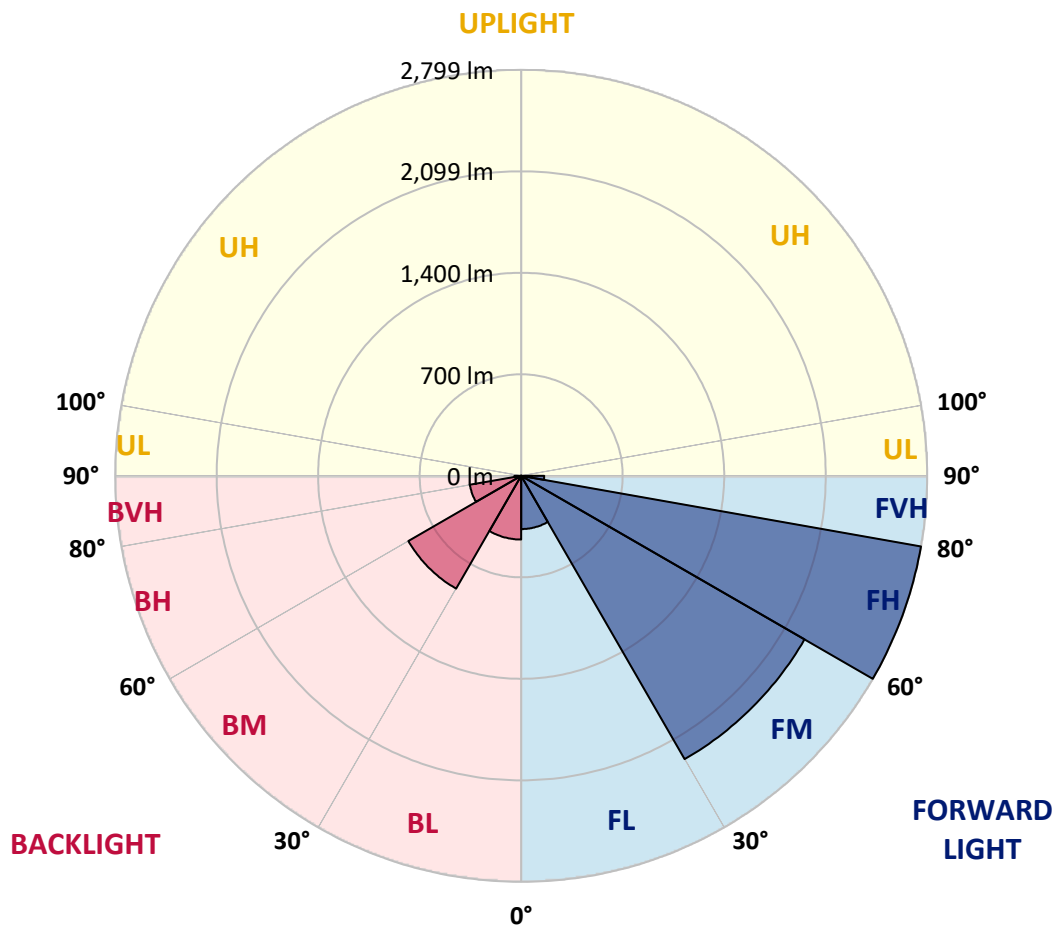
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	367.3	5.0			
FM	(30°-60°)	2255.4	30.8			
FH	(60°-80°)	2799.1	38.2			G2/5000
FVH	(80°-90°)	159.3	2.2			G2/225
BL	(0°-30°)	439.2	6.0	B1/500		
BM	(30°-60°)	898.1	12.3	B1/1000		
BH	(60°-80°)	359.3	4.9	B1/500		G1/500
BVH	(80°-90°)	46.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	976.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0
2.5°	900.0	905.5	907.9	906.7	912.6	911.8	920.1	930.4	944.7	958.6	978.7
5°	830.7	836.6	841.8	846.5	858.0	861.5	874.6	894.4	920.5	947.1	980.3
7.5°	766.1	771.3	779.2	787.9	807.3	810.9	832.6	863.5	900.0	938.8	984.7
10°	713.5	718.6	726.9	736.8	761.0	765.3	793.1	834.2	881.7	930.8	989.4
12.5°	690.9	692.5	697.2	707.1	728.1	730.9	761.4	808.5	863.9	924.9	996.6
15°	689.7	692.9	693.3	698.4	715.8	717.0	745.1	791.9	852.8	923.7	1007.3
17.5°	701.6	704.0	700.4	703.6	718.2	720.2	742.4	783.9	849.3	928.9	1025.5
20°	733.3	735.2	724.6	720.2	730.9	732.5	754.3	789.1	852.8	939.5	1050.4
22.5°	800.6	801.8	775.6	757.8	758.6	759.4	778.4	810.1	866.7	958.9	1082.1
25°	905.5	904.7	863.1	828.7	808.9	804.5	817.2	844.1	890.1	984.7	1122.9
27.5°	1028.2	1022.3	980.7	929.3	886.1	879.8	877.0	888.5	923.3	1018.7	1172.8
30°	1166.8	1161.3	1116.5	1049.2	989.4	979.1	953.0	947.1	972.8	1065.1	1242.0
32.5°	1318.8	1315.3	1261.8	1180.3	1100.3	1088.4	1044.5	1028.6	1048.8	1135.1	1338.6
35°	1446.3	1443.2	1398.8	1314.9	1217.1	1202.4	1157.7	1139.9	1150.2	1225.0	1464.9
37.5°	1561.6	1560.0	1522.0	1455.8	1354.9	1337.1	1286.8	1280.8	1278.9	1343.4	1618.2
40°	1668.5	1664.5	1624.9	1590.1	1515.2	1499.0	1454.7	1449.5	1434.5	1489.1	1791.6
42.5°	1786.8	1776.5	1719.1	1702.9	1682.7	1669.2	1642.7	1643.5	1610.3	1653.4	1975.3
45°	1883.4	1877.5	1818.5	1809.0	1830.8	1825.2	1848.2	1854.1	1789.6	1825.6	2166.1
47.5°	1987.2	1981.6	1931.8	1925.0	1984.0	1985.6	2066.8	2068.7	1964.6	2004.6	2357.4
50°	2115.1	2107.2	2057.7	2066.0	2132.1	2138.0	2286.5	2273.0	2125.8	2186.3	2547.0
52.5°	2199.4	2204.2	2193.5	2206.9	2297.2	2302.7	2502.7	2468.2	2285.3	2365.7	2733.1
55°	2261.6	2271.1	2304.3	2335.2	2471.4	2477.0	2706.6	2653.9	2417.6	2532.0	2908.1
57.5°	2341.5	2328.1	2390.2	2450.4	2636.9	2651.6	2905.0	2832.9	2534.8	2675.3	3028.1
60°	2456.4	2446.9	2495.2	2584.2	2822.2	2845.6	3114.8	2994.0	2620.7	2788.9	3051.4
62.5°	2689.2	2665.4	2672.9	2751.7	3055.8	3086.7	3351.6	3134.6	2663.4	2833.3	2926.3
65°	3037.2	2996.4	2958.4	3013.0	3384.8	3415.3	3618.8	3245.1	2647.6	2747.4	2594.1
67.5°	3475.5	3435.1	3388.4	3439.9	3869.4	3893.6	3948.6	3307.2	2522.9	2416.4	2007.0
70°	3837.0	3821.9	3877.8	4089.6	4643.5	4644.3	4371.5	3255.7	2181.2	1713.2	1161.3
72.5°	3789.1	3780.0	4074.1	4729.0	5619.1	5598.1	4771.8	2866.2	1469.3	772.9	435.1
75°	3108.5	3167.5	3623.2	4717.5	5969.5	5966.7	4526.7	1822.1	607.8	320.3	224.9
77.5°	1666.9	1760.3	2352.2	3483.0	4660.1	4730.2	3182.5	637.5	260.9	205.1	155.6
80°	543.6	625.2	937.6	1773.4	3028.1	3015.0	1364.0	250.2	178.6	145.3	107.7
82.5°	230.8	240.3	418.9	837.4	1554.0	1529.9	434.3	143.7	125.5	99.4	66.5
85°	90.3	101.0	184.9	387.2	673.1	658.4	156.8	71.3	80.4	64.9	39.6
87.5°	29.7	36.0	66.1	132.6	209.4	201.9	38.4	24.5	34.8	29.7	14.3
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°	976.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0	976.0
2.5°	984.3	990.6	998.1	1009.2	1018.7	1026.7	1035.0	1040.1	1042.1	1048.0	1047.6
5°	991.4	1005.3	1023.9	1042.1	1059.9	1070.6	1080.1	1084.9	1089.2	1092.4	1093.2
7.5°	1003.3	1021.1	1050.4	1074.2	1089.2	1097.9	1104.3	1102.7	1104.3	1105.0	1106.2
10°	1013.6	1038.5	1073.4	1095.9	1107.4	1107.8	1106.2	1100.7	1097.9	1098.3	1099.1
12.5°	1025.9	1053.6	1091.2	1110.2	1113.4	1104.7	1097.9	1088.4	1084.9	1083.3	1082.5
15°	1042.5	1074.2	1110.6	1117.7	1109.8	1098.7	1087.2	1071.8	1063.9	1057.5	1059.5
17.5°	1062.7	1097.5	1125.6	1120.5	1103.5	1085.2	1066.6	1043.3	1027.0	1020.3	1020.7
20°	1090.8	1122.1	1137.1	1114.5	1088.8	1061.1	1029.4	1000.9	985.9	979.1	978.3
22.5°	1124.8	1154.9	1148.2	1104.3	1067.8	1023.5	983.9	962.9	955.4	950.6	951.4
25°	1165.6	1191.4	1156.1	1089.2	1033.4	973.6	943.1	936.4	932.8	929.3	929.3
27.5°	1218.7	1232.5	1162.1	1067.0	979.5	920.5	909.5	910.6	909.5	903.5	904.7
30°	1288.8	1286.0	1167.6	1031.0	917.8	872.6	873.4	878.6	879.4	875.4	877.4
32.5°	1381.0	1352.9	1170.4	984.3	858.8	830.7	831.5	837.0	841.0	834.2	837.4
35°	1492.7	1430.9	1166.0	925.7	813.2	790.7	784.7	786.3	787.5	781.2	785.5
37.5°	1622.9	1518.4	1146.6	860.8	775.6	751.5	738.8	728.1	721.8	715.8	719.8
40°	1765.9	1613.8	1111.0	797.4	733.7	709.9	690.9	670.7	649.3	641.4	645.0
42.5°	1915.5	1712.0	1067.8	736.8	685.4	666.0	645.8	616.5	584.4	568.2	570.1
45°	2070.7	1812.6	1025.5	677.0	635.9	627.6	604.2	569.0	534.1	513.5	511.9
47.5°	2222.8	1907.6	963.3	616.9	589.5	598.6	580.4	548.0	509.2	476.7	473.1
50°	2368.1	1996.7	861.5	555.9	551.9	589.9	572.5	525.8	481.5	439.9	436.3
52.5°	2512.2	2068.7	731.3	500.5	531.7	587.6	562.2	510.8	456.5	413.0	408.2
55°	2634.5	2106.0	605.8	452.9	502.4	567.4	549.9	492.9	421.3	374.9	371.0
57.5°	2704.2	2075.9	501.2	406.2	462.1	534.1	529.0	454.9	379.3	343.7	338.9
60°	2674.1	1953.9	415.7	365.4	423.6	498.1	492.5	417.3	347.2	313.6	308.8
62.5°	2508.2	1721.5	348.0	329.8	388.8	461.3	456.1	388.4	322.7	290.2	285.1
65°	2174.1	1400.4	295.4	300.1	353.6	416.9	424.4	364.3	303.3	271.6	266.5
67.5°	1658.2	1014.4	254.2	274.4	319.1	373.4	395.1	346.8	287.1	257.0	252.2
70°	945.1	576.1	219.3	249.4	288.6	333.0	372.6	333.0	269.6	244.7	241.5
72.5°	358.3	264.5	189.7	224.5	259.3	298.9	347.6	311.2	249.4	230.8	227.7
75°	191.2	161.1	159.6	195.2	225.7	265.7	316.3	289.8	234.4	243.9	251.8
77.5°	130.3	114.0	133.4	167.1	188.9	228.8	283.1	257.4	203.1	202.3	186.5
80°	90.3	80.8	108.5	134.6	146.1	192.4	247.1	220.9	165.5	154.4	147.7
82.5°	54.2	52.7	81.2	100.6	103.3	148.5	204.7	185.3	135.4	118.0	118.8
85°	29.7	31.3	51.9	59.0	60.2	103.7	160.4	143.3	104.1	87.5	88.3
87.5°	8.3	10.7	19.0	23.4	28.9	53.8	95.4	85.1	52.3	36.4	36.4
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)