

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: P945562

Luminaire Tested: **GALN-SB1C-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
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-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6353 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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



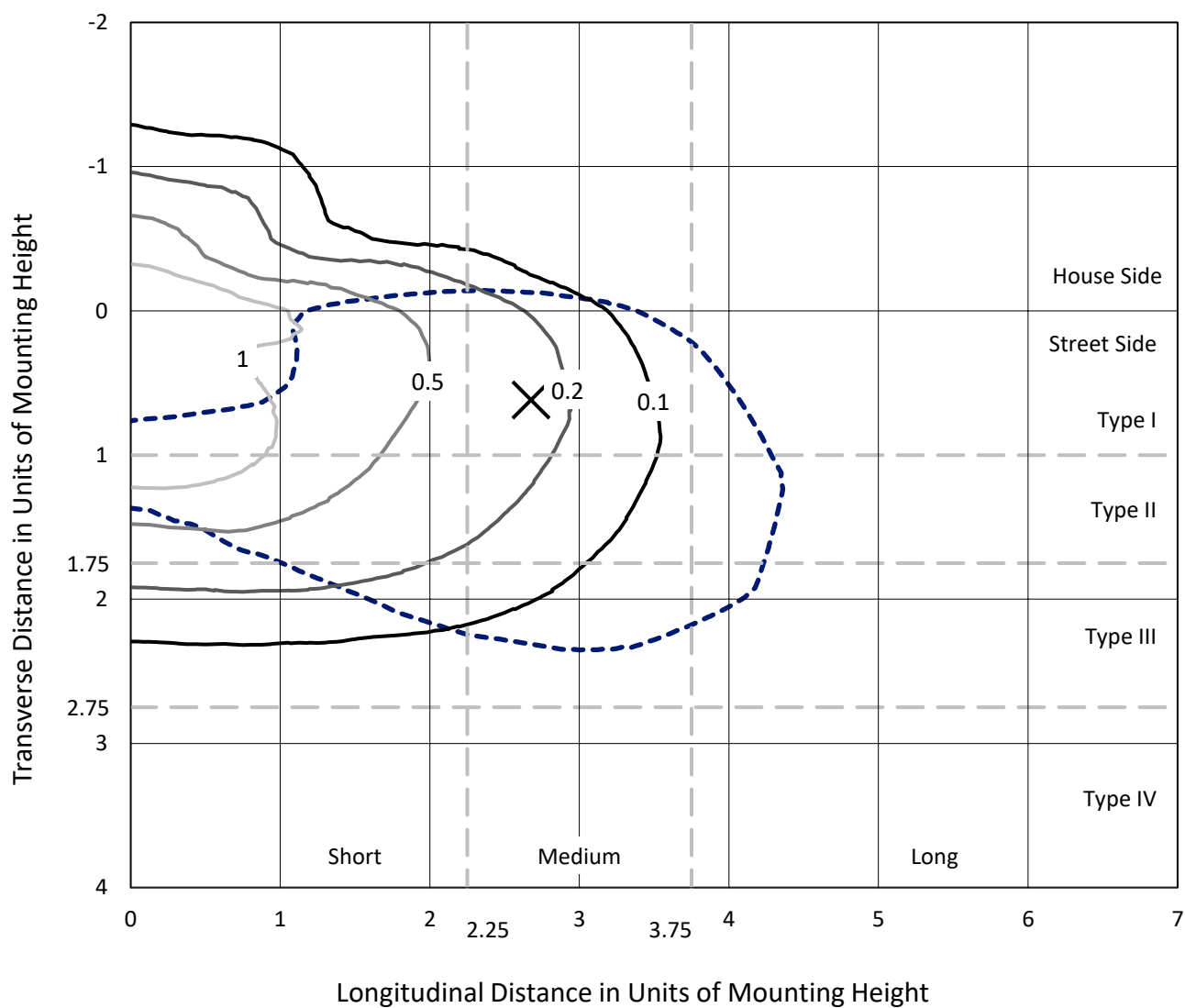
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

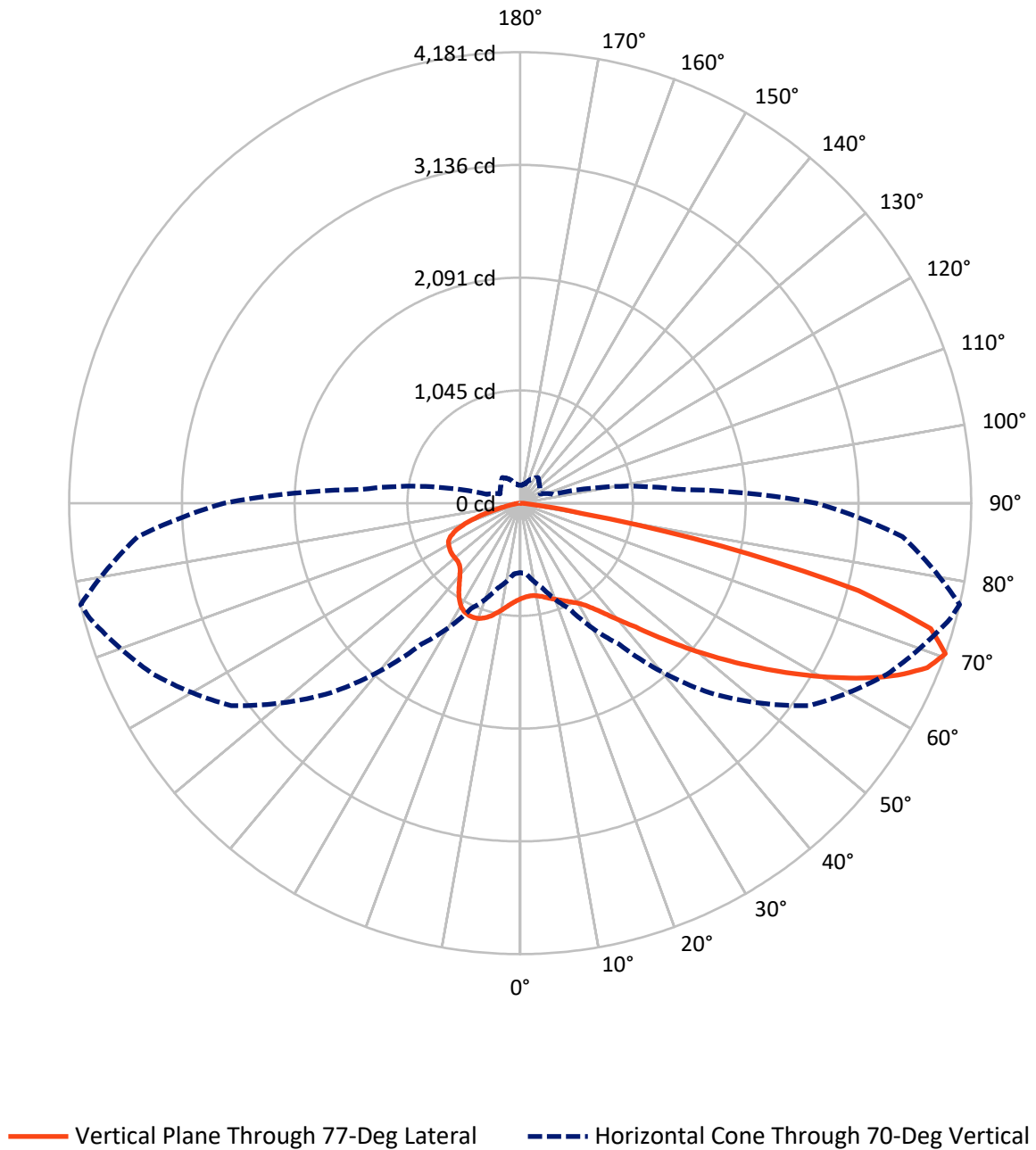


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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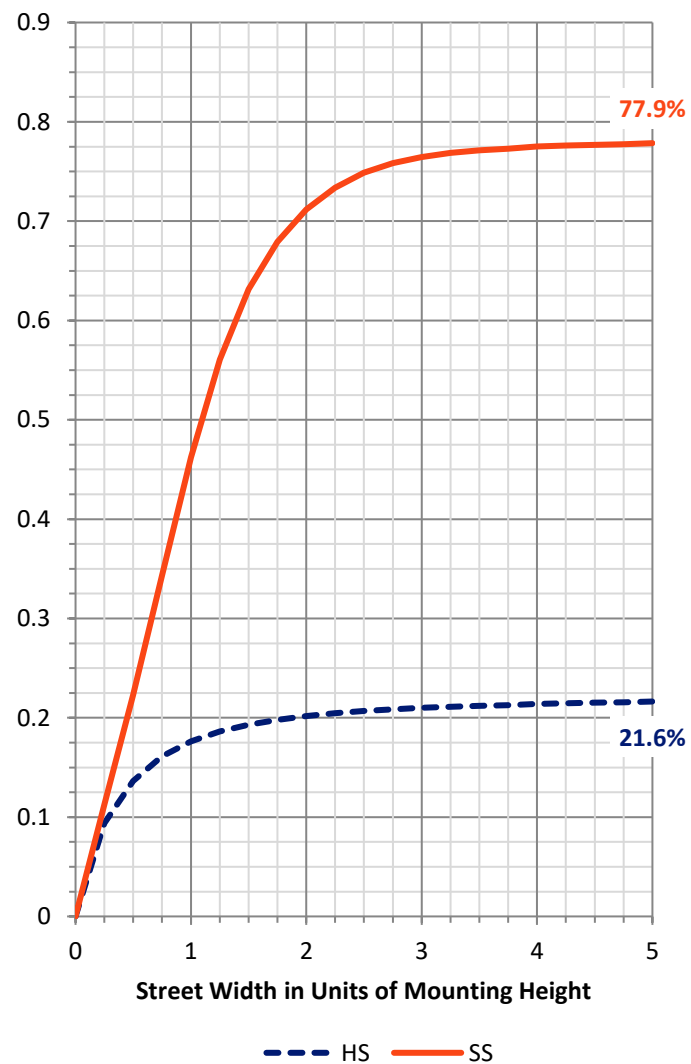
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1391.2	0.0	1391.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	4961.8	0.0	4961.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	6353.0	0.0	6353.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	1.3
10°-20°	244.0	3.8
20°-30°	417.2	6.6
30°-40°	670.9	10.6
40°-50°	1047.5	16.5
50°-60°	1399.2	22.0
60°-70°	1491.3	23.5
70°-80°	918.0	14.5
80°-90°	80.4	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°	6353.0	100.0
0°-180°	6353.0	100.0

Coefficient of Utilization



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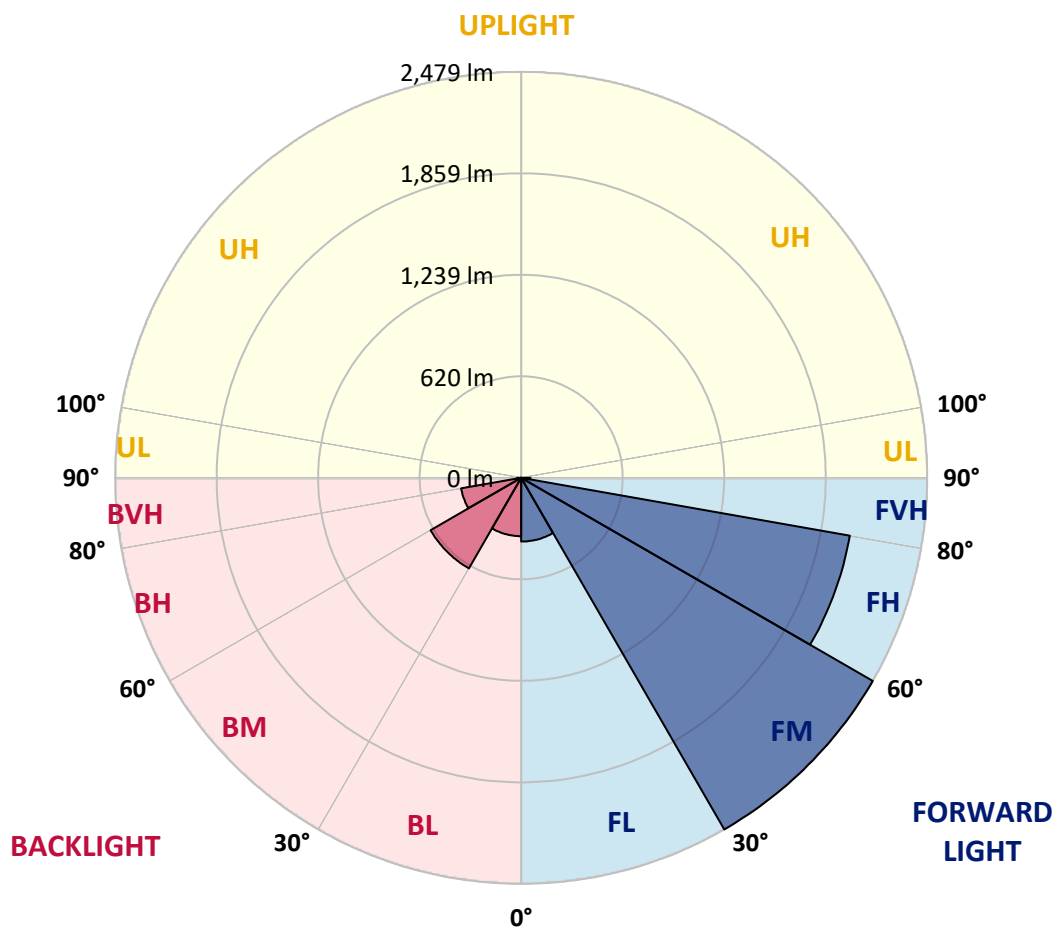
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	389.2	6.1			
FM	(30°-60°)	2478.8	39.0			
FH	(60°-80°)	2037.5	32.1			G2/5000
FVH	(80°-90°)	56.3	0.9			G1/100
BL	(0°-30°)	356.5	5.6	B1/500		
BM	(30°-60°)	638.7	10.1	B1/1000		
BH	(60°-80°)	371.8	5.9	B1/500		G1/500
BVH	(80°-90°)	24.2	0.4			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	817.0	816.7	820.9	822.2	830.0	835.5	846.0	857.0	871.3	873.0	881.7
5°	769.8	769.8	774.7	779.9	790.0	801.1	817.0	836.2	860.9	864.8	886.6
7.5°	729.8	732.4	736.6	746.7	758.4	774.4	798.8	826.1	858.6	864.8	900.0
10°	697.6	700.5	705.7	713.9	731.4	753.6	785.4	820.6	864.2	873.9	919.5
12.5°	687.5	690.4	693.4	699.5	715.8	741.8	779.9	823.2	877.5	887.3	946.2
15°	710.9	714.5	712.2	710.6	719.1	742.8	782.5	832.6	894.1	908.1	979.0
17.5°	764.9	766.2	761.0	745.7	744.4	757.1	794.9	845.6	914.9	930.2	1012.2
20°	852.1	849.9	839.1	808.9	791.6	789.0	816.0	865.2	936.4	952.7	1048.0
22.5°	970.6	968.0	946.5	898.7	860.3	834.9	846.6	890.5	960.5	978.7	1082.8
25°	1118.3	1114.7	1083.1	1018.1	958.5	895.7	888.3	924.0	990.1	1007.0	1119.3
27.5°	1290.7	1287.8	1253.6	1167.7	1081.8	979.0	940.0	963.4	1021.0	1040.2	1160.3
30°	1476.2	1484.7	1424.1	1331.7	1223.1	1087.7	1009.6	1011.9	1061.0	1078.3	1210.0
32.5°	1694.2	1708.8	1635.9	1518.8	1370.4	1205.8	1097.5	1079.6	1119.3	1133.6	1272.8
35°	1910.2	1926.8	1866.3	1736.8	1566.0	1345.1	1189.2	1157.3	1196.7	1212.3	1356.1
37.5°	2097.0	2119.1	2087.9	1975.3	1775.2	1513.0	1309.0	1248.8	1292.0	1311.6	1468.1
40°	2244.4	2278.2	2275.9	2205.7	2021.8	1716.6	1460.9	1361.7	1410.5	1431.6	1603.7
42.5°	2364.1	2393.4	2418.8	2415.2	2279.2	1948.0	1639.5	1508.4	1545.5	1569.9	1756.3
45°	2446.8	2478.0	2532.7	2591.6	2526.8	2195.6	1844.2	1682.5	1716.3	1753.1	1938.2
47.5°	2520.6	2556.1	2627.0	2720.4	2737.0	2444.2	2068.4	1885.2	1916.1	1954.2	2120.7
50°	2527.1	2557.7	2667.7	2800.1	2886.3	2683.0	2309.1	2112.6	2141.6	2182.2	2316.3
52.5°	2370.0	2418.1	2610.1	2797.8	2955.0	2882.8	2548.3	2349.2	2381.7	2430.5	2518.7
55°	1839.6	1910.2	2441.2	2710.6	2930.6	3011.9	2775.7	2600.7	2642.3	2693.4	2722.4
57.5°	1584.5	1615.5	1937.9	2551.9	2819.3	3045.4	2967.7	2854.8	2921.8	2977.8	2937.7
60°	1424.1	1449.8	1640.5	2304.9	2672.9	2992.4	3116.0	3091.6	3207.5	3274.2	3158.0
62.5°	1252.3	1276.7	1450.2	1924.5	2485.5	2904.2	3209.8	3310.3	3500.3	3573.2	3365.6
65°	1081.8	1102.7	1268.9	1617.1	2247.3	2816.1	3258.2	3499.3	3771.3	3846.8	3538.0
67.5°	891.8	909.1	1066.2	1364.3	1957.7	2695.3	3282.3	3648.0	4007.2	4072.0	3623.3
70°	643.6	656.9	819.3	1078.9	1594.3	2487.8	3272.5	3753.4	4129.6	4181.3	3558.9
72.5°	304.2	316.3	506.9	700.5	1126.1	2083.7	3075.0	3669.8	4005.3	3979.6	3164.5
75°	162.4	172.8	291.2	384.3	594.8	1428.4	2516.4	3161.3	3363.3	3238.4	2338.7
77.5°	110.0	118.1	180.3	230.7	271.7	678.1	1617.4	2188.7	2105.8	1899.5	1171.3
80°	87.2	95.7	147.7	156.2	131.4	245.0	668.3	1013.2	727.8	582.1	333.2
82.5°	67.0	76.5	124.3	113.2	71.6	100.5	194.6	320.5	186.4	141.9	80.7
85°	41.0	51.1	97.6	72.2	40.3	45.9	66.0	89.2	56.9	47.5	29.0
87.5°	20.8	29.3	49.5	26.4	18.2	10.7	17.6	17.6	15.0	13.0	7.5
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°	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3	886.3
2.5°	889.6	896.1	907.1	917.5	925.7	933.5	941.3	945.5	946.8	952.0	955.0
5°	900.0	912.0	933.5	953.7	966.3	974.2	979.7	982.9	983.6	985.2	987.8
7.5°	919.2	938.4	968.3	988.5	997.9	997.3	995.0	986.8	983.6	980.7	981.3
10°	946.2	971.5	1008.3	1022.3	1016.4	1000.8	980.7	956.9	945.8	935.1	931.9
12.5°	979.7	1011.9	1048.0	1047.4	1018.4	978.4	931.5	895.1	872.0	855.4	851.5
15°	1020.4	1057.4	1085.1	1063.0	999.5	927.6	859.0	811.5	790.6	772.4	770.5
17.5°	1062.3	1102.0	1114.7	1058.1	952.0	852.5	774.7	737.3	716.8	707.0	710.0
20°	1103.3	1142.7	1132.3	1030.1	879.8	767.2	697.9	677.4	673.2	675.5	674.5
22.5°	1146.6	1181.7	1135.9	976.1	787.7	680.0	642.0	642.6	652.0	658.9	660.5
25°	1190.8	1214.6	1126.4	898.0	688.8	615.9	606.5	616.9	635.4	648.8	652.4
27.5°	1233.5	1243.9	1105.9	801.4	603.9	570.0	571.7	593.1	621.1	639.7	644.2
30°	1281.6	1269.9	1066.6	692.7	545.0	530.7	544.3	569.4	597.4	614.0	617.9
32.5°	1336.0	1292.4	1004.1	592.2	503.3	499.1	521.6	537.8	550.2	555.1	557.7
35°	1403.6	1323.9	924.0	521.6	465.9	476.0	497.5	489.4	484.5	481.9	484.5
37.5°	1491.5	1366.5	830.3	475.7	435.7	459.4	468.2	442.8	423.6	414.2	416.5
40°	1597.2	1429.0	740.2	440.2	416.5	445.1	429.8	399.2	374.8	361.5	362.5
42.5°	1714.7	1494.4	664.4	413.5	405.7	433.4	401.5	365.1	325.7	321.5	325.7
45°	1838.0	1561.8	612.7	393.0	400.5	423.3	385.2	326.3	298.4	315.6	324.7
47.5°	1961.3	1623.6	581.4	377.8	397.9	411.9	370.9	304.9	285.0	310.1	321.8
50°	2098.6	1678.9	567.4	366.7	395.0	407.4	349.4	299.3	271.0	287.6	300.0
52.5°	2235.0	1721.8	557.0	355.6	390.8	403.8	339.0	292.8	254.1	255.1	261.9
55°	2371.0	1749.8	545.6	341.0	381.3	396.0	338.1	285.7	241.4	236.9	240.1
57.5°	2516.1	1765.8	531.7	324.7	365.1	376.1	337.1	280.1	237.5	230.0	231.0
60°	2663.8	1789.2	513.4	304.9	343.3	352.4	334.8	278.2	235.2	222.6	223.5
62.5°	2796.2	1797.3	491.6	286.0	315.3	328.9	329.9	276.6	229.1	207.3	207.3
65°	2883.1	1762.2	453.6	264.5	285.0	304.9	320.5	271.0	218.0	196.2	196.2
67.5°	2879.5	1662.0	394.0	236.9	255.7	278.2	306.8	261.6	204.7	182.5	183.5
70°	2745.5	1464.2	318.5	204.7	223.5	249.6	289.3	247.6	188.7	167.6	169.5
72.5°	2354.7	1145.9	231.3	166.9	186.1	219.9	266.5	230.7	172.4	154.2	153.2
75°	1682.2	725.2	156.8	128.2	144.8	186.4	238.2	210.8	157.5	154.9	146.1
77.5°	859.3	346.5	103.8	93.7	100.9	147.1	200.1	188.4	159.8	127.9	113.9
80°	279.5	127.9	65.4	63.8	67.0	97.9	154.9	154.5	121.0	86.9	76.8
82.5°	89.2	55.0	42.6	41.0	39.4	61.5	108.0	122.3	81.7	55.0	54.7
85°	35.5	32.9	25.1	23.1	16.6	29.0	56.6	81.3	60.8	39.7	40.7
87.5°	13.0	13.0	6.8	4.9	3.6	9.8	15.3	24.4	34.8	20.5	20.2
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)