

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: P945564

Luminaire Tested: **GALN-SB1C-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
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-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6177 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
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



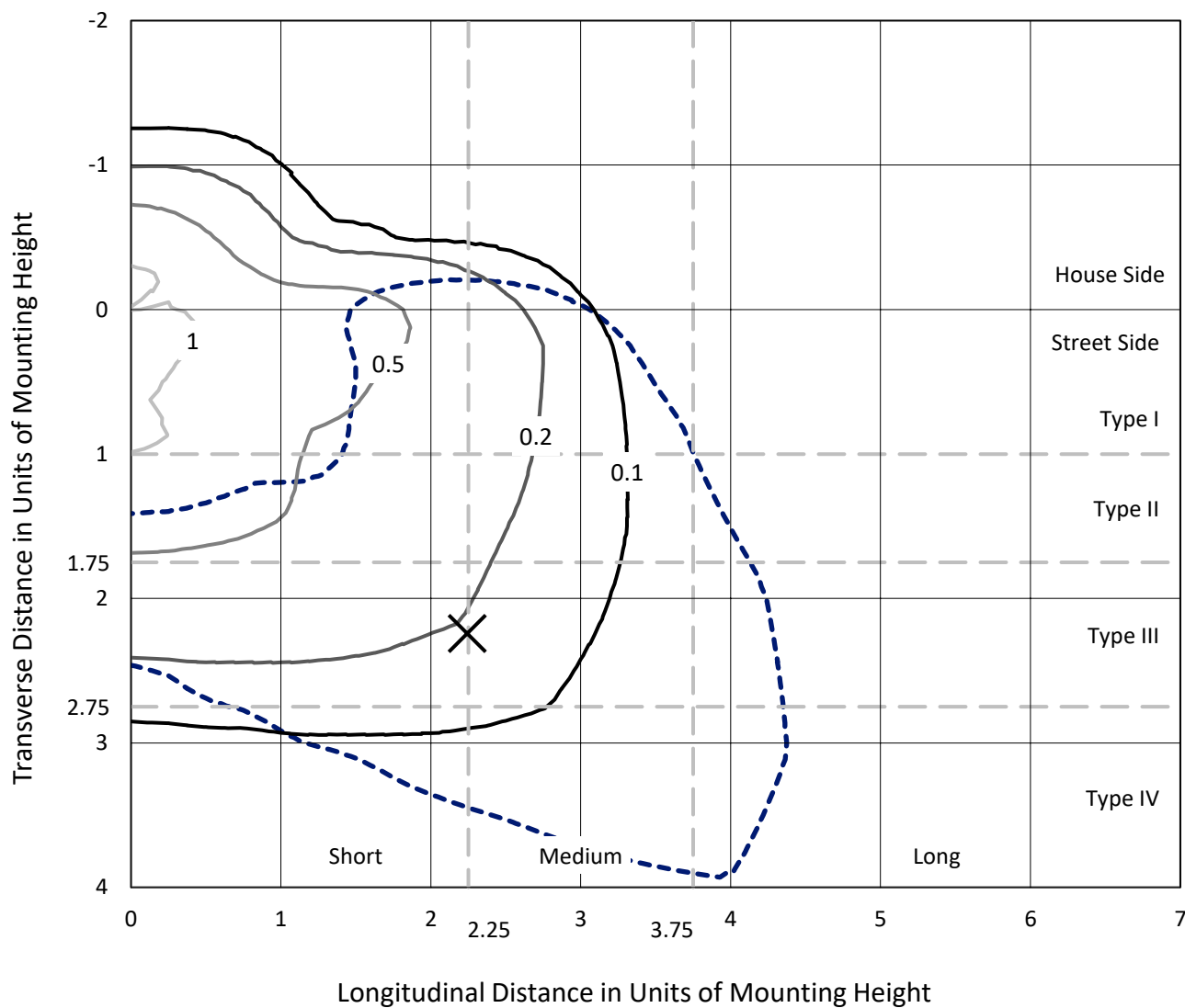
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

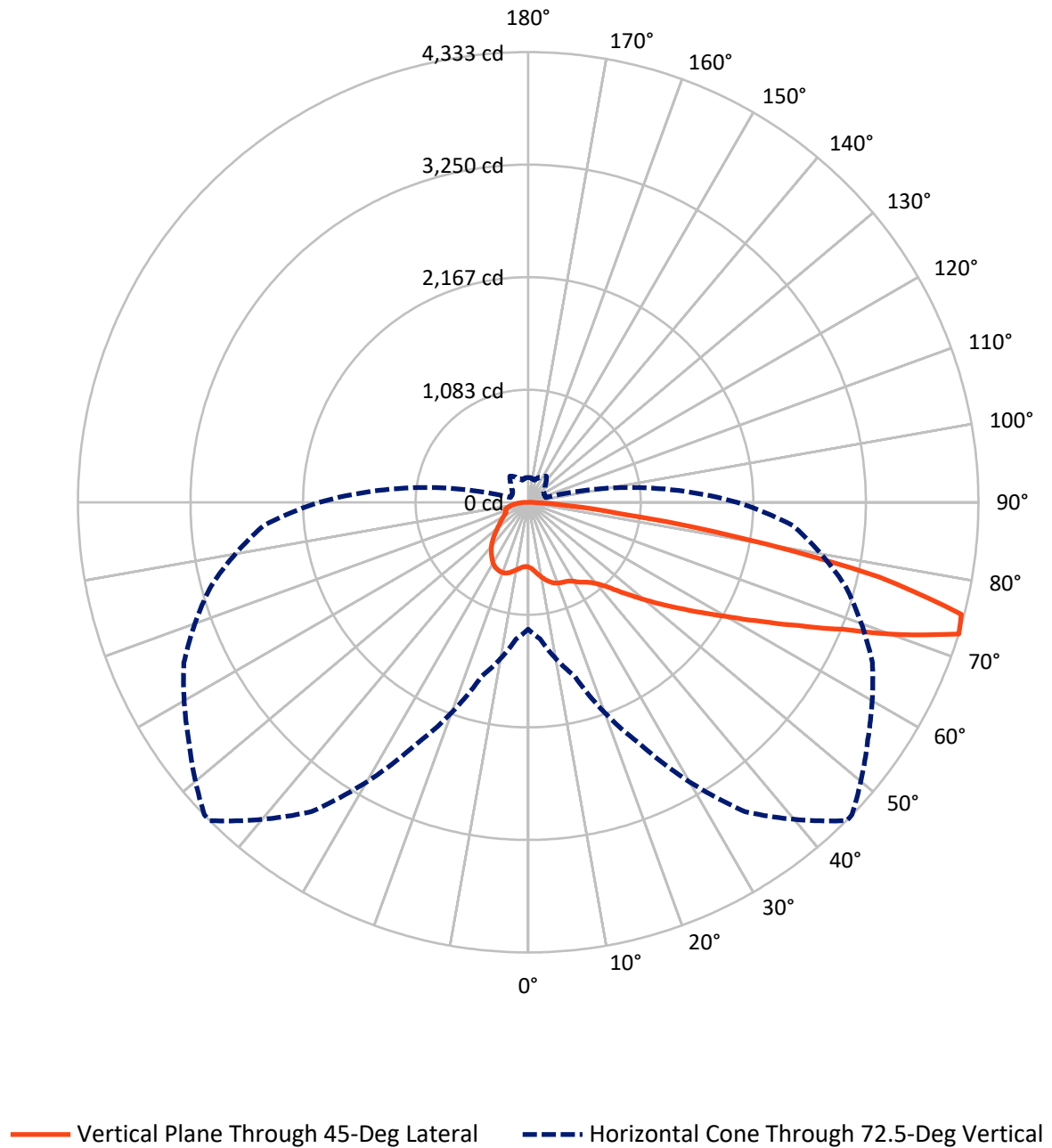


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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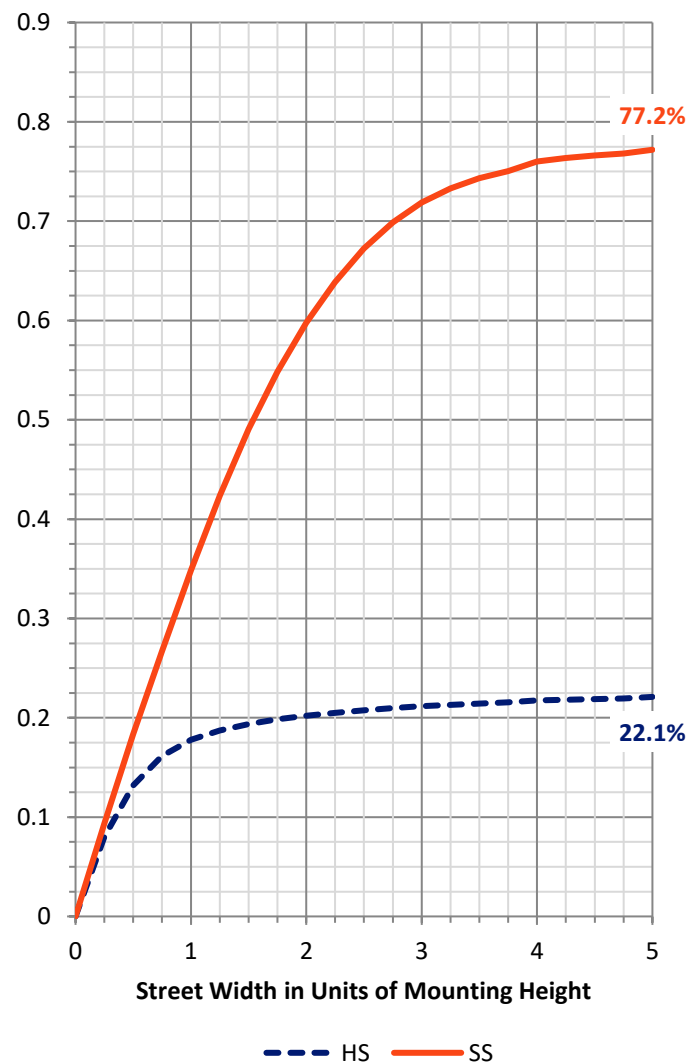
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1396.4	0.0	1396.4
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	4780.6	0.0	4780.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	6177.0	0.0	6177.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	1.0
10°-20°	211.5	3.4
20°-30°	367.9	6.0
30°-40°	527.3	8.5
40°-50°	742.5	12.0
50°-60°	1137.3	18.4
60°-70°	1647.6	26.7
70°-80°	1315.7	21.3
80°-90°	163.9	2.7
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°	6177.0	100.0
0°-180°	6177.0	100.0

Coefficient of Utilization



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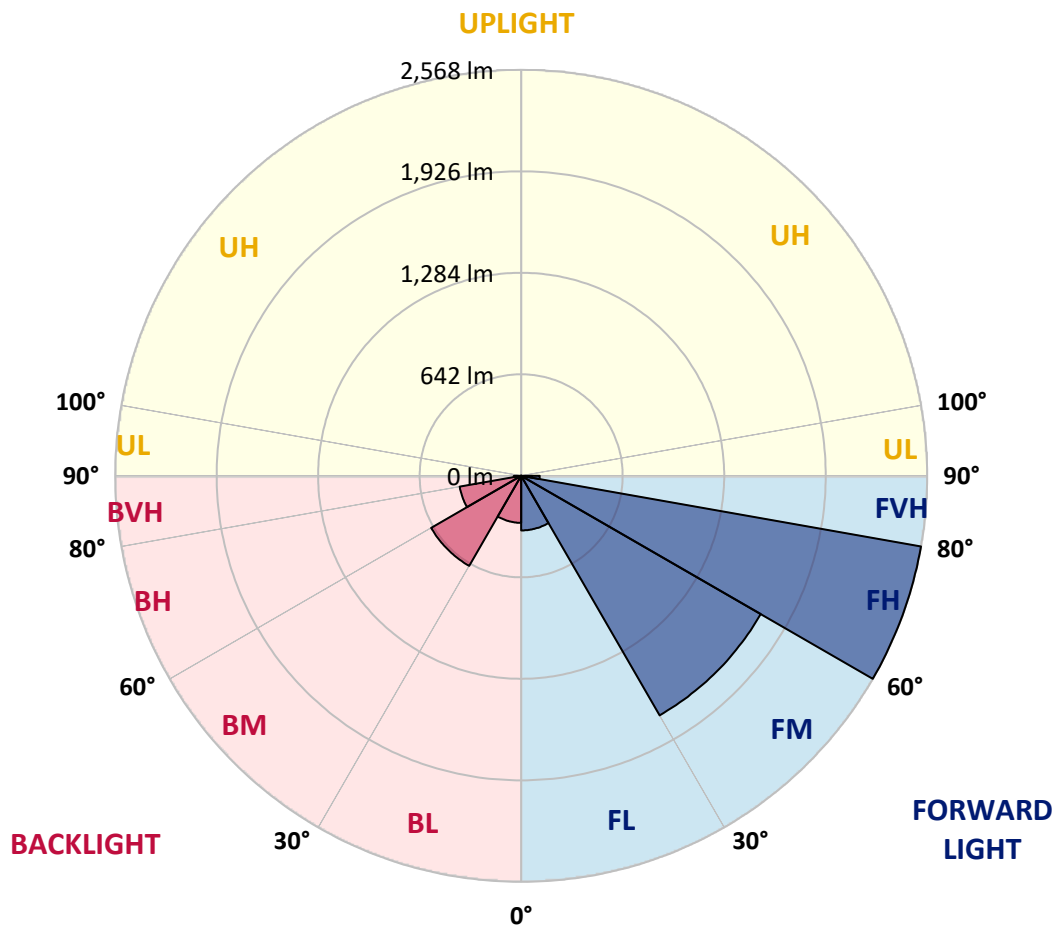
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.4	5.6			
FM	(30°-60°)	1749.6	28.3			
FH	(60°-80°)	2568.0	41.6			G2/5000
FVH	(80°-90°)	117.6	1.9			G2/225
BL	(0°-30°)	297.3	4.8	B1/500		
BM	(30°-60°)	657.5	10.6	B1/1000		
BH	(60°-80°)	395.3	6.4	B1/500		G1/500
BVH	(80°-90°)	46.3	0.7			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°	45°	46°	55°	65°	75°	85°
0°	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1
2.5°	647.5	651.8	647.9	644.3	642.7	638.4	638.1	635.5	633.9	629.3	628.0
5°	692.8	698.3	691.8	684.6	678.1	667.7	666.4	658.9	650.5	640.7	635.2
7.5°	743.9	748.7	741.3	730.5	719.1	701.9	701.6	687.9	674.6	658.0	648.5
10°	788.4	794.9	784.9	770.2	755.9	736.4	734.1	718.5	701.6	680.1	665.8
12.5°	827.8	832.4	822.6	804.7	788.1	768.6	765.7	748.4	729.5	705.1	686.9
15°	859.1	864.9	851.9	832.7	815.1	795.9	793.3	777.7	758.8	733.1	709.7
17.5°	879.6	884.4	871.1	849.6	832.7	816.8	814.8	801.8	785.2	759.2	734.1
20°	887.4	892.6	878.6	856.8	841.2	828.8	827.8	818.4	807.0	783.2	757.9
22.5°	895.2	900.1	881.8	859.1	845.4	837.6	837.3	831.1	826.5	807.0	782.3
25°	926.7	928.0	903.6	870.8	851.2	844.4	844.1	843.8	845.7	830.4	808.6
27.5°	954.1	953.7	932.9	902.0	871.7	857.4	857.1	860.4	866.5	853.8	836.0
30°	994.1	990.5	965.8	933.6	905.9	883.8	881.8	878.9	883.8	873.7	863.3
32.5°	1079.0	1067.6	1027.6	970.3	934.2	917.3	914.7	896.5	898.4	892.2	887.0
35°	1200.7	1185.8	1132.4	1040.0	969.4	945.3	944.0	920.9	917.0	911.4	913.4
37.5°	1345.5	1327.0	1264.8	1140.8	1029.9	977.8	975.9	955.0	939.1	933.2	944.3
40°	1491.0	1467.5	1416.1	1263.8	1119.0	1032.2	1026.0	994.4	976.2	966.4	989.9
42.5°	1632.2	1612.7	1568.7	1401.8	1229.0	1111.6	1097.9	1043.9	1030.2	1021.1	1063.4
45°	1757.2	1739.6	1707.4	1549.2	1357.9	1219.6	1206.3	1118.1	1113.8	1113.8	1175.0
47.5°	1858.7	1854.8	1820.6	1699.6	1509.9	1342.6	1319.5	1221.2	1232.6	1250.2	1333.5
50°	1971.3	1960.5	1924.1	1847.6	1688.5	1483.5	1464.6	1347.8	1390.4	1438.6	1562.6
52.5°	2074.7	2080.6	2039.9	2001.9	1890.2	1640.7	1607.5	1497.2	1589.2	1669.0	1831.0
55°	2181.1	2181.5	2170.1	2164.9	2101.8	1814.4	1778.0	1676.8	1823.2	1922.1	2144.1
57.5°	2281.0	2281.7	2298.6	2344.5	2347.1	2014.9	1973.5	1897.4	2083.2	2184.1	2466.8
60°	2370.2	2374.8	2421.0	2528.4	2562.8	2244.6	2205.6	2158.0	2352.0	2453.5	2806.2
62.5°	2400.1	2416.7	2519.6	2672.2	2776.0	2526.4	2488.0	2459.7	2634.4	2728.8	3090.0
65°	2349.4	2387.5	2586.3	2790.9	2995.3	2861.2	2823.2	2792.2	2927.9	3016.8	3323.0
67.5°	2224.8	2273.9	2582.4	2915.6	3261.5	3264.1	3228.6	3156.0	3242.6	3276.8	3398.8
70°	1896.4	1970.0	2354.9	2962.1	3567.0	3815.0	3780.8	3594.0	3556.6	3391.3	3185.3
72.5°	1221.9	1320.8	1734.1	2579.1	3635.0	4333.3	4331.4	3989.4	3655.9	3168.7	2554.7
75°	445.8	506.3	805.7	1618.9	3051.3	4307.0	4319.7	3921.7	3337.3	2447.7	1591.5
77.5°	162.4	177.7	262.9	622.2	1876.6	3455.7	3482.1	3135.2	2375.4	1228.4	630.6
80°	85.3	93.7	134.7	241.4	804.1	2052.3	2093.6	1863.2	1116.4	370.0	189.1
82.5°	47.2	51.1	75.5	131.1	362.2	877.6	902.3	736.1	392.8	156.8	78.1
85°	25.4	27.0	35.5	71.6	177.0	304.2	311.1	220.0	156.5	92.1	37.7
87.5°	7.5	9.1	11.7	22.8	69.3	68.3	70.0	43.6	61.8	46.5	12.4
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°	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1	623.1
2.5°	626.1	625.1	621.5	619.9	617.9	617.6	619.2	619.6	619.9	620.2	621.5
5°	631.9	628.7	625.4	623.5	624.1	624.4	627.7	630.0	631.6	632.9	633.6
7.5°	643.3	640.7	635.2	634.9	635.8	638.8	643.0	648.2	651.1	653.4	654.1
10°	660.2	655.4	648.8	649.8	651.8	656.0	664.8	669.0	673.9	678.1	677.2
12.5°	677.5	673.3	665.8	666.4	669.7	677.2	685.6	690.8	694.1	697.3	698.6
15°	699.9	692.4	684.3	684.3	690.2	698.3	702.2	706.4	708.4	712.0	713.3
17.5°	723.0	713.3	702.5	701.9	709.0	712.9	715.2	715.9	716.5	720.4	721.7
20°	746.1	735.4	720.1	718.8	720.4	719.8	719.5	718.8	719.8	724.7	726.6
22.5°	768.9	756.6	735.4	729.5	725.0	718.8	718.5	718.2	718.8	723.7	726.9
25°	795.6	780.6	752.3	734.8	719.5	711.0	712.0	712.3	712.9	716.9	722.1
27.5°	824.6	808.0	767.9	733.1	705.5	699.6	698.0	699.0	701.2	707.4	713.6
30°	853.5	834.0	782.3	726.6	687.9	679.8	674.6	676.8	684.0	690.2	697.0
32.5°	879.9	860.4	793.6	712.3	665.4	652.8	645.9	648.8	656.0	658.3	666.4
35°	910.8	888.7	798.5	689.5	641.0	621.5	612.4	608.2	611.8	609.5	616.6
37.5°	945.3	922.2	797.9	659.6	612.4	589.9	577.3	561.3	553.8	546.0	550.9
40°	996.4	963.2	790.1	623.5	576.9	556.4	533.7	506.6	489.7	474.4	475.4
42.5°	1066.0	1020.1	775.8	583.8	536.9	517.7	486.8	455.2	428.6	403.2	400.9
45°	1169.8	1094.6	757.9	541.5	493.6	474.8	441.2	405.8	375.5	343.0	339.1
47.5°	1319.5	1194.9	740.9	493.3	448.1	430.8	400.6	367.7	331.9	300.3	296.8
50°	1525.1	1338.7	725.3	446.4	403.2	390.2	366.1	332.6	296.4	271.1	269.4
52.5°	1786.8	1534.3	718.8	401.2	361.2	356.3	337.1	305.9	271.7	250.2	248.6
55°	2087.1	1768.2	718.8	357.9	324.4	326.0	312.7	283.7	254.1	234.9	233.0
57.5°	2393.6	2005.1	705.8	317.9	293.2	300.0	291.6	266.2	239.5	219.6	216.4
60°	2676.1	2203.6	653.1	281.5	265.5	276.3	270.7	248.9	216.4	199.8	197.2
62.5°	2893.1	2315.5	551.6	252.5	242.7	255.1	252.2	226.2	212.2	205.3	203.0
65°	3001.8	2297.3	421.7	226.8	223.5	242.7	236.6	235.6	224.5	216.7	214.1
67.5°	2935.1	2140.5	305.9	207.9	212.5	231.4	255.1	259.0	238.5	223.2	220.6
70°	2642.6	1856.7	227.8	190.0	198.5	231.7	290.9	271.1	234.0	216.1	213.1
72.5°	2010.3	1384.6	176.7	171.2	180.3	233.3	306.9	265.5	220.9	238.8	236.9
75°	1149.6	760.1	141.9	148.1	157.5	218.0	298.7	251.2	210.9	219.3	219.3
77.5°	438.3	292.2	117.1	125.3	126.6	190.4	285.7	250.2	200.8	195.9	178.6
80°	152.0	114.2	97.0	99.6	97.9	169.2	274.0	217.7	164.3	147.1	142.2
82.5°	62.2	56.9	76.8	73.5	69.6	131.5	221.3	178.0	134.4	118.8	117.5
85°	27.0	36.1	50.8	44.6	40.3	91.1	177.3	150.7	113.6	97.9	97.6
87.5°	5.5	13.7	21.5	20.2	20.8	60.8	125.9	107.1	80.4	60.2	47.2
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)