

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: P946277

Luminaire Tested: **GALN-SB2A-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
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-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5708 lumens
Efficiency: N/A
Efficacy: 99.6 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



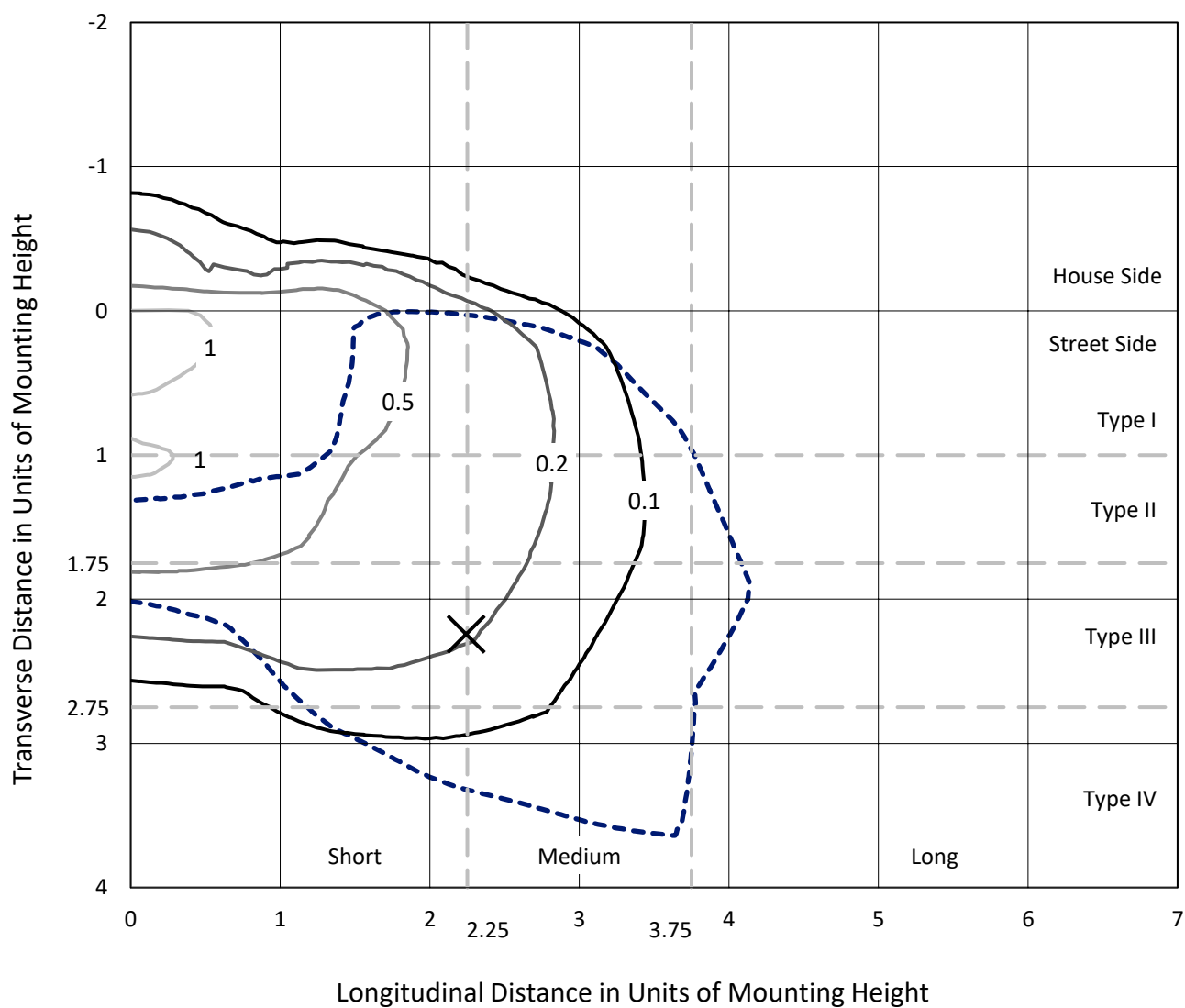
REPORT NUMBER: P946277

CATALOG NUMBER: GALN-SB2A-722-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

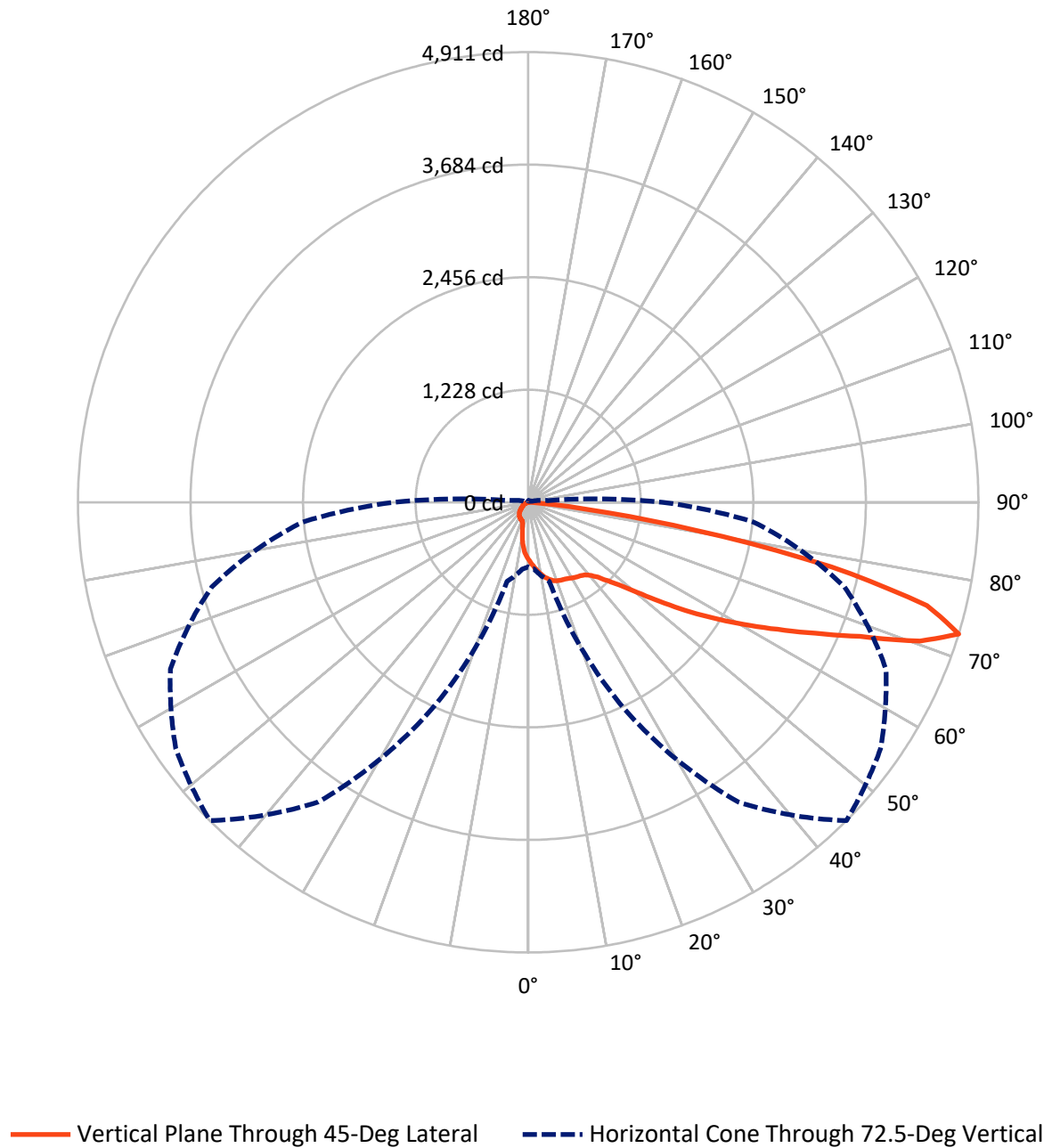
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type IV - Short - N/A

REPORT NUMBER: P946277
CATALOG NUMBER: GALN-SB2A-722-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P946277

CATALOG NUMBER: GALN-SB2A-722-U-T4W-HSS

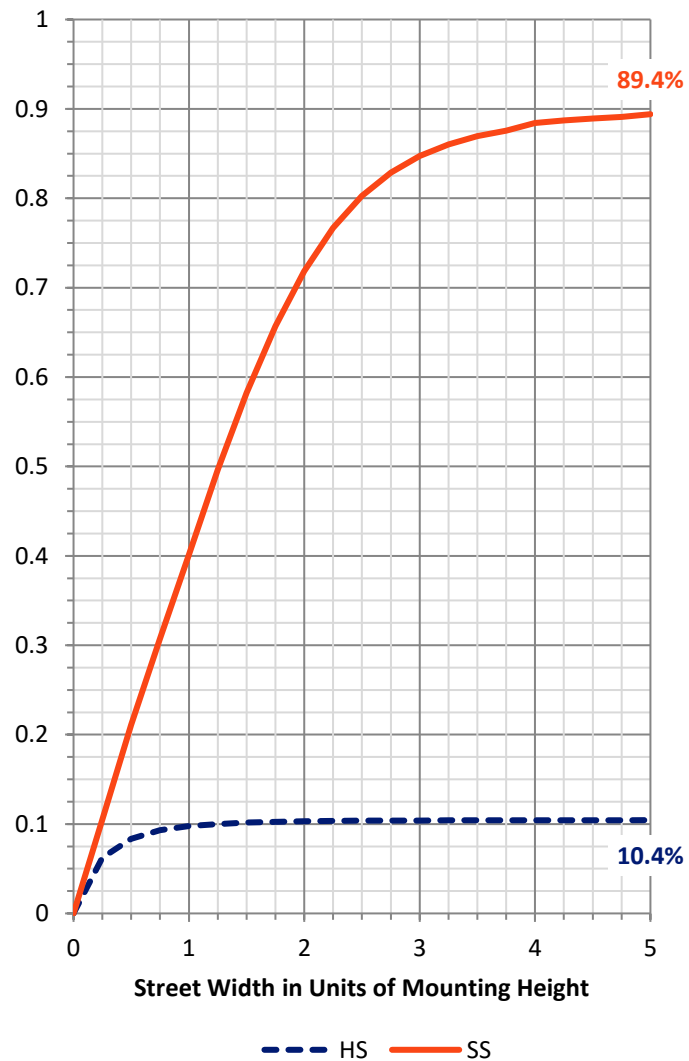
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	599.8	0.0	599.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5108.2	0.0	5108.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	5708.0	0.0	5708.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	1.0
10°-20°	172.2	3.0
20°-30°	282.8	5.0
30°-40°	401.0	7.0
40°-50°	662.9	11.6
50°-60°	1190.8	20.9
60°-70°	1653.4	29.0
70°-80°	1199.3	21.0
80°-90°	86.7	1.5
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°	5708.0	100.0
0°-180°	5708.0	100.0

Coefficient of Utilization



REPORT NUMBER: P946277

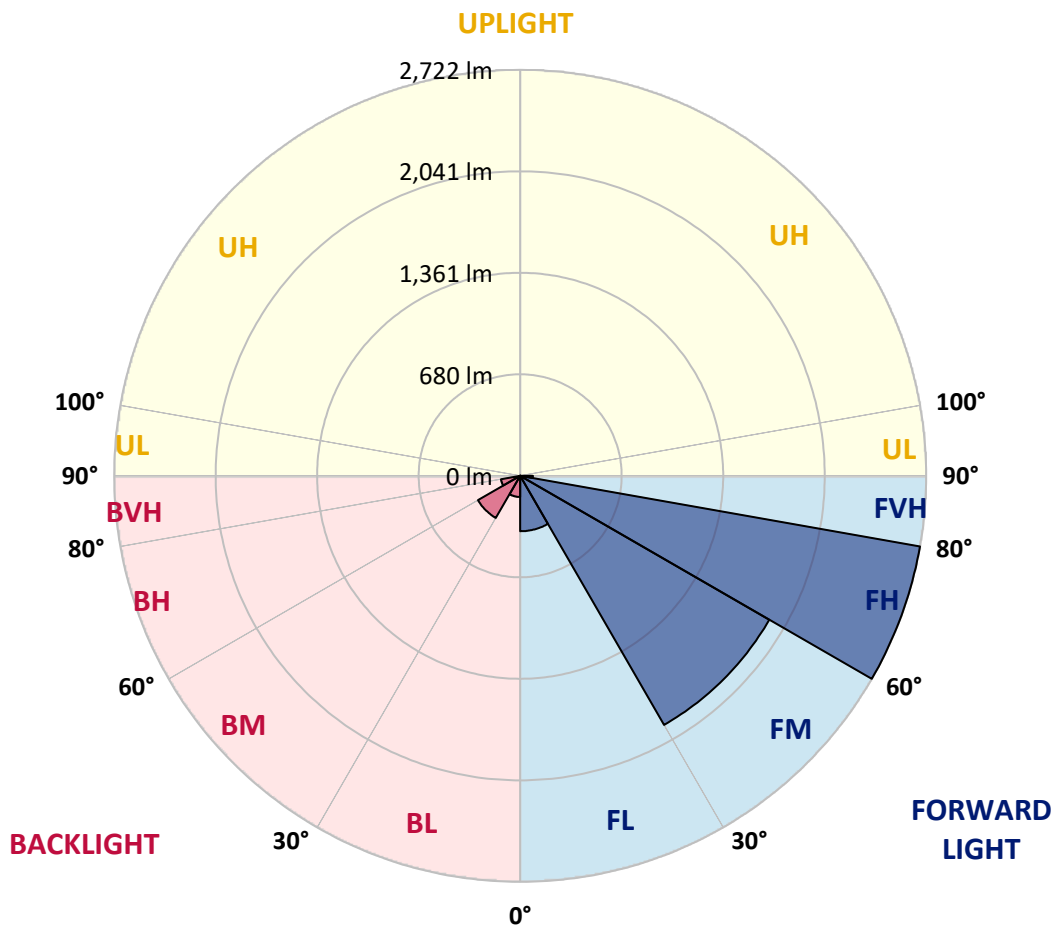
CATALOG NUMBER: GALN-SB2A-722-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	371.8	6.5			
FM	(30°-60°)	1928.5	33.8			
FH	(60°-80°)	2722.0	47.7			G2/5000
FVH	(80°-90°)	86.0	1.5			G1/100
BL	(0°-30°)	142.1	2.5	B1/500		
BM	(30°-60°)	326.2	5.7	B1/1000		
BH	(60°-80°)	130.8	2.3	B1/500		G1/500
BVH	(80°-90°)	0.7	0.0			G0/10
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



REPORT NUMBER: P946277

CATALOG NUMBER: GALN-SB2A-722-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3
2.5°	683.0	684.2	683.4	678.7	670.9	666.6	664.3	656.5	651.4	642.5	633.1
5°	745.7	750.4	747.7	738.3	723.5	713.0	709.9	693.9	679.5	662.7	643.2
7.5°	812.3	814.7	809.6	797.5	777.7	759.7	757.0	734.8	711.8	686.1	659.6
10°	870.0	872.7	864.9	847.4	824.8	802.6	798.7	774.2	746.9	715.3	681.4
12.5°	918.3	921.0	910.9	889.9	864.9	841.9	838.1	812.3	782.3	747.3	705.2
15°	954.9	960.0	946.4	923.8	896.9	873.9	871.9	846.6	817.4	778.4	733.6
17.5°	976.4	981.4	968.6	941.3	918.3	898.8	896.5	875.5	848.2	810.8	761.3
20°	979.9	984.5	970.9	947.1	928.1	912.5	911.3	896.1	876.2	840.4	791.3
22.5°	969.3	975.2	962.7	943.6	930.4	922.2	920.6	912.1	900.8	870.4	819.3
25°	958.4	963.1	953.8	937.0	930.0	929.2	930.4	928.8	926.5	900.8	852.1
27.5°	957.7	962.7	952.2	936.2	932.3	940.5	941.7	949.1	951.0	928.4	883.6
30°	964.3	967.8	957.7	940.9	939.0	957.7	958.1	971.3	974.4	951.8	914.8
32.5°	978.7	982.6	972.5	947.9	945.2	971.3	972.5	990.0	995.1	976.8	947.5
35°	1012.6	1017.3	1005.6	967.4	957.7	984.2	987.7	1008.3	1018.4	1003.2	981.4
37.5°	1097.1	1083.5	1067.5	1006.8	986.1	1004.4	1010.3	1034.4	1052.3	1034.8	1021.9
40°	1307.1	1264.3	1214.4	1073.8	1036.0	1047.7	1052.3	1076.5	1101.0	1083.9	1077.7
42.5°	1622.3	1571.7	1491.4	1228.0	1111.2	1117.0	1120.5	1141.6	1176.2	1162.6	1164.2
45°	1903.2	1884.9	1803.1	1491.4	1251.8	1223.0	1227.3	1238.2	1289.2	1284.2	1294.3
47.5°	2119.1	2108.6	2045.5	1793.8	1489.5	1352.7	1364.8	1369.9	1443.5	1461.4	1488.7
50°	2285.1	2281.2	2224.7	2062.6	1800.0	1544.0	1548.3	1537.4	1647.7	1692.1	1743.9
52.5°	2441.7	2454.9	2413.2	2312.3	2131.6	1794.5	1793.8	1742.3	1891.2	1958.2	2046.6
55°	2583.1	2587.8	2592.1	2567.1	2465.1	2079.7	2072.3	1988.2	2173.6	2243.0	2338.8
57.5°	2716.0	2717.9	2756.1	2807.1	2812.2	2386.0	2372.3	2271.4	2482.2	2531.7	2590.5
60°	2805.2	2814.2	2894.8	3036.6	3098.6	2701.9	2694.5	2591.7	2796.2	2819.2	2808.3
62.5°	2676.6	2731.2	2934.5	3215.8	3369.0	3052.2	3048.7	2952.1	3126.6	3107.9	3014.4
65°	2166.6	2259.0	2616.6	3337.0	3634.3	3443.4	3448.4	3345.6	3466.0	3405.2	3181.9
67.5°	1515.6	1613.0	2036.1	3346.7	3930.8	3902.7	3931.9	3770.6	3826.4	3690.0	3221.7
70°	1048.1	1098.3	1373.8	3137.1	4161.8	4535.4	4534.7	4292.7	4184.8	3819.7	3019.1
72.5°	704.8	730.9	892.2	2488.8	3991.9	4911.4	4888.8	4691.7	4305.6	3572.3	2466.6
75°	297.3	316.4	413.0	1398.7	3158.2	4493.4	4432.2	4146.2	3825.6	2813.0	1539.0
77.5°	94.3	102.5	162.9	500.6	1739.6	3377.5	3312.9	2589.3	2564.0	1411.2	562.6
80°	44.8	52.2	91.6	201.0	684.5	1837.0	1828.0	1174.7	1103.0	381.0	113.0
82.5°	19.5	23.0	50.6	107.5	306.2	655.3	668.6	399.7	330.8	144.5	34.7
85°	6.2	8.2	23.4	49.5	129.4	162.9	160.9	95.1	133.2	78.7	12.1
87.5°	0.0	0.0	7.8	11.3	13.2	9.4	10.5	8.2	37.0	21.8	4.3
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: P946277

CATALOG NUMBER: GALN-SB2A-722-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3	625.3
2.5°	628.4	622.2	611.3	601.2	592.2	583.2	577.8	570.0	569.2	569.2	571.2
5°	632.7	622.6	603.1	582.5	558.7	536.1	513.5	491.7	484.7	479.6	481.9
7.5°	645.2	629.2	598.4	559.1	513.9	464.4	429.7	392.3	377.9	370.1	371.3
10°	663.1	641.3	594.5	525.6	452.3	384.9	335.5	294.9	279.4	272.7	272.7
12.5°	683.0	656.1	587.5	483.9	384.9	304.3	256.0	237.3	234.9	234.9	234.9
15°	706.8	674.0	575.5	434.8	314.4	240.8	223.6	224.4	226.8	228.3	228.3
17.5°	731.3	693.1	556.4	379.9	252.1	216.6	217.0	218.2	220.1	221.7	221.7
20°	757.8	712.2	531.0	321.4	216.2	209.6	210.8	211.9	213.5	214.3	214.7
22.5°	786.2	730.1	501.0	264.2	204.2	203.8	204.2	205.3	207.3	207.3	208.1
25°	816.6	750.0	466.8	222.5	197.9	197.9	198.7	199.5	201.0	201.0	201.4
27.5°	847.8	768.3	430.5	200.6	192.5	192.1	192.1	193.2	194.0	194.4	194.8
30°	882.1	789.7	394.3	196.0	188.2	186.2	185.1	185.8	186.6	187.0	187.8
32.5°	917.1	810.4	361.9	197.9	183.9	180.4	176.5	175.7	175.7	177.3	178.4
35°	956.1	833.0	337.0	204.5	181.6	171.8	165.6	162.1	162.5	164.8	166.0
37.5°	1002.9	860.3	318.7	210.4	180.0	162.1	151.9	147.7	144.9	147.7	146.9
40°	1064.0	900.4	305.5	215.1	178.1	150.8	137.1	130.1	125.1	126.6	125.8
42.5°	1154.0	963.5	300.4	215.5	173.8	137.5	121.9	112.6	105.2	105.6	104.0
45°	1280.3	1063.2	326.5	210.4	164.4	123.1	106.0	93.5	88.8	87.7	86.1
47.5°	1453.2	1208.6	386.9	199.9	150.8	109.1	90.4	79.9	76.4	74.4	73.2
50°	1685.1	1395.2	453.9	188.2	137.1	95.8	77.5	70.9	68.6	66.6	66.2
52.5°	1953.9	1584.5	508.8	176.5	123.5	84.2	69.4	65.5	63.5	61.9	61.6
55°	2200.5	1715.1	505.7	164.0	110.3	74.8	63.5	61.2	58.8	57.3	56.5
57.5°	2354.0	1733.4	416.9	150.4	95.1	67.4	58.1	56.5	53.8	51.8	51.4
60°	2424.5	1629.0	292.2	132.5	79.9	60.4	52.2	51.4	47.9	45.2	44.4
62.5°	2437.4	1434.9	194.8	110.3	66.6	53.8	46.4	45.2	40.5	35.8	33.5
65°	2385.2	1157.5	134.8	86.1	56.9	46.8	39.7	37.4	32.3	27.7	26.1
67.5°	2220.0	812.7	93.9	61.9	48.3	37.0	31.6	30.8	26.9	23.0	21.8
70°	1917.3	463.2	62.7	46.4	38.2	25.3	24.9	25.7	21.8	18.7	17.1
72.5°	1470.0	211.9	39.0	33.9	26.1	17.1	19.9	20.3	16.8	14.0	12.5
75°	865.3	90.8	24.5	21.8	13.2	11.3	14.4	14.8	11.3	9.0	7.8
77.5°	294.5	34.3	15.6	12.9	6.6	6.2	9.4	9.4	6.2	3.5	2.7
80°	67.0	12.9	7.8	5.1	3.1	2.7	3.1	2.7	1.6	0.4	0.0
82.5°	19.1	5.1	3.1	1.9	1.2	1.2	0.4	0.0	0.0	0.0	0.0
85°	5.5	2.3	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)