

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: P939394

Luminaire Tested: **GALN-SB2A-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
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-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5411 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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



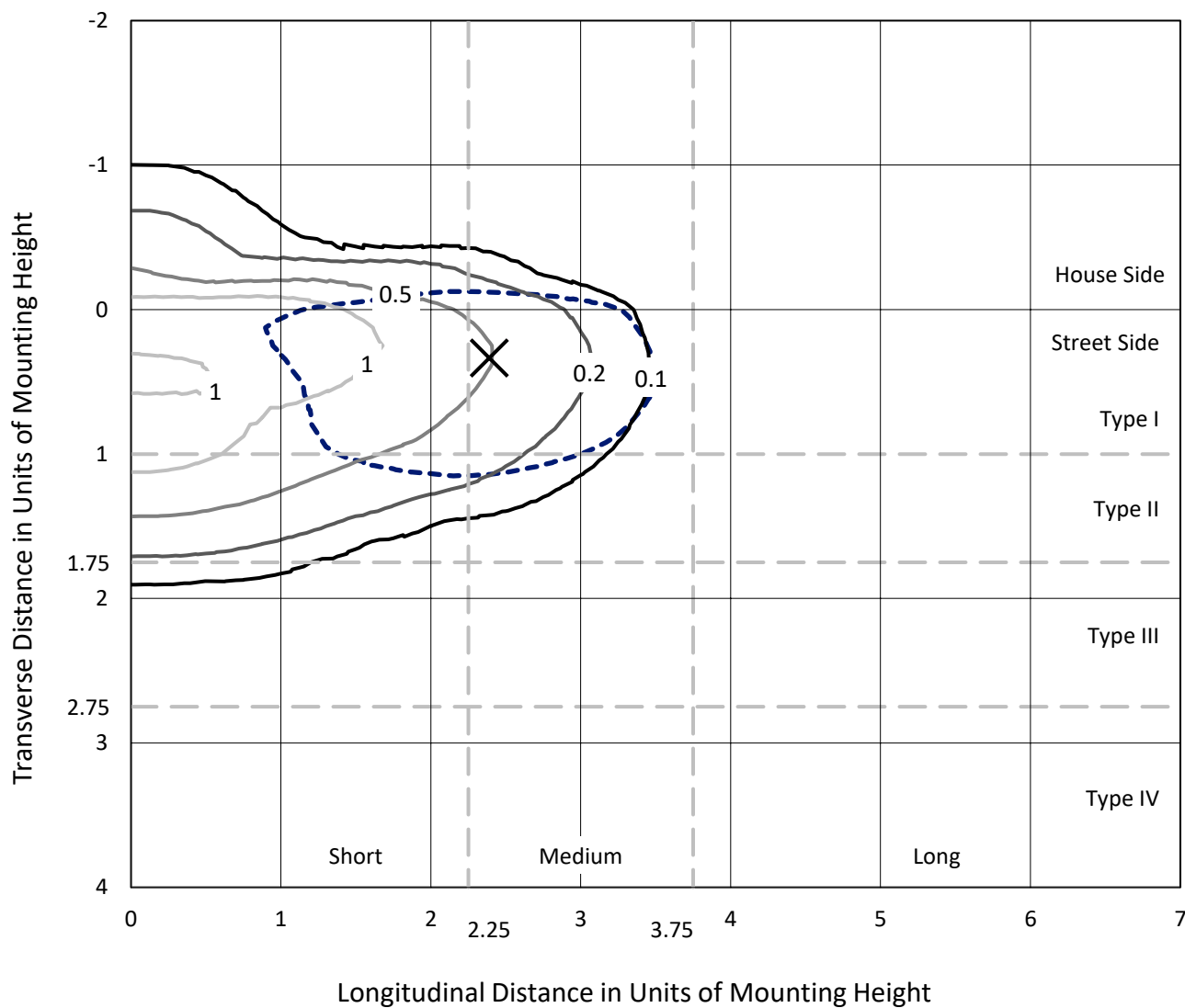
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Iso-Footcandle Lines of Horizontal Illumination

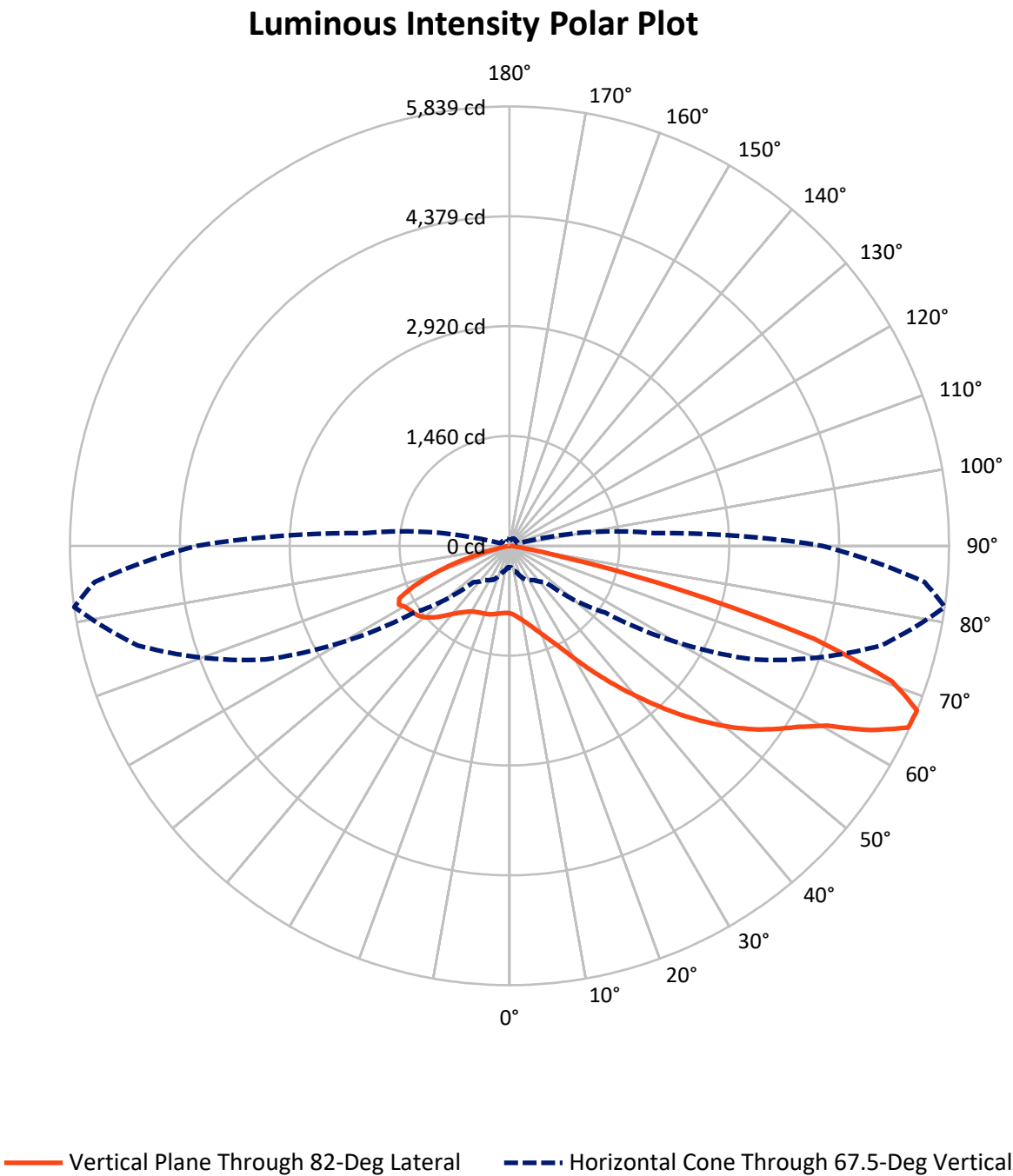
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type II - Medium - N/A

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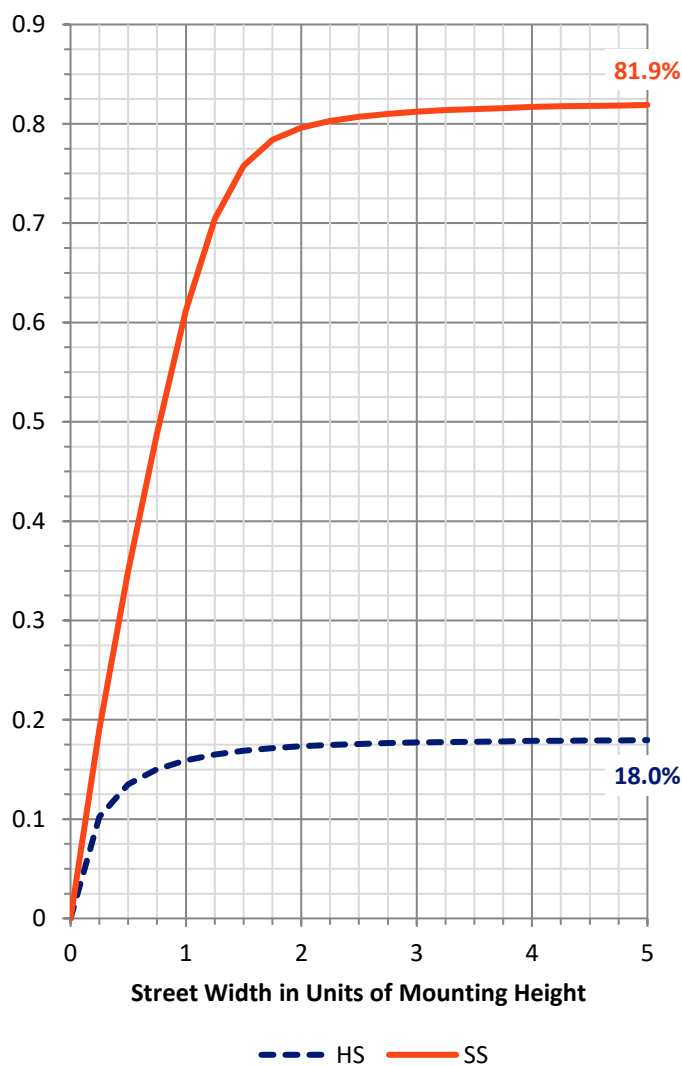
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	980.2	0.0	980.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	4430.9	0.0	4430.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	5411.0	0.0	5411.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	1.5
10°-20°	207.5	3.8
20°-30°	332.4	6.1
30°-40°	587.8	10.9
40°-50°	1029.9	19.0
50°-60°	1373.6	25.4
60°-70°	1278.7	23.6
70°-80°	490.8	9.1
80°-90°	30.5	0.6
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°	5411.0	100.0
0°-180°	5411.0	100.0

Coefficient of Utilization



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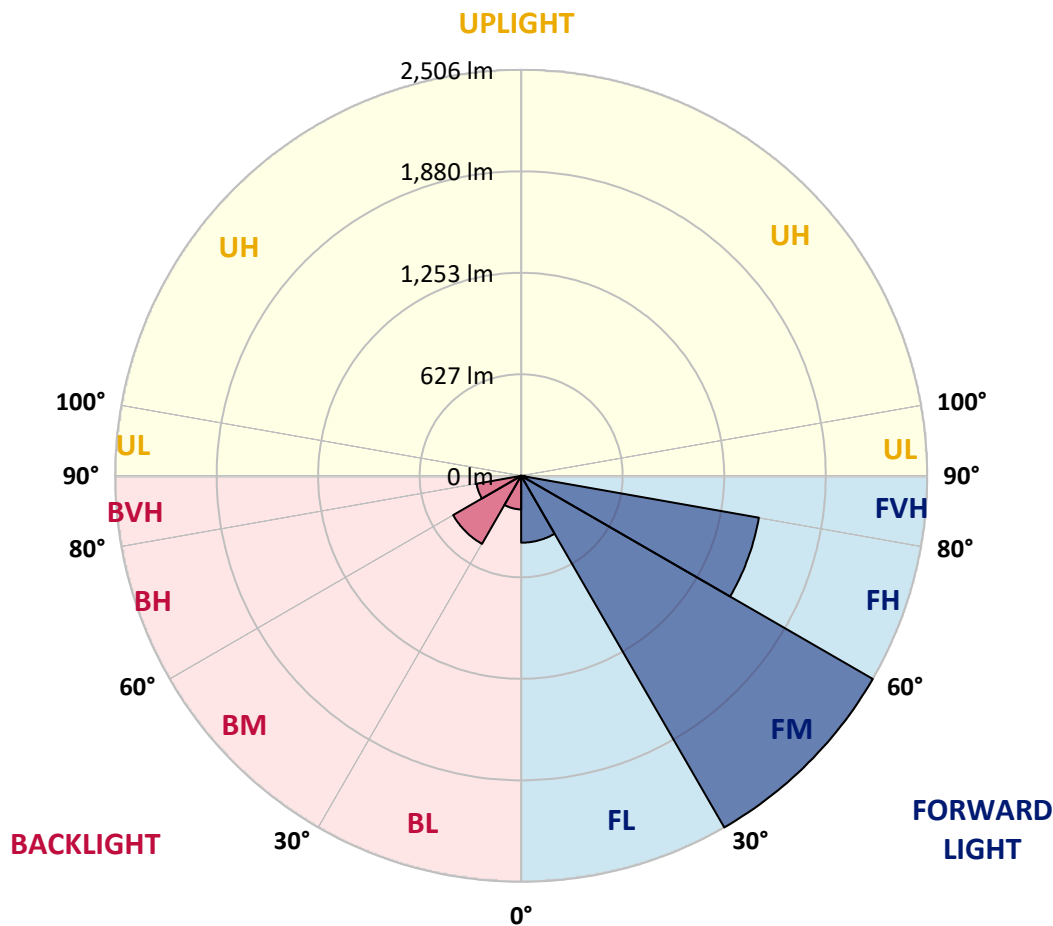
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	412.8	7.6			
FM	(30°-60°)	2506.2	46.3			
FH	(60°-80°)	1489.7	27.5			G1/1800
FVH	(80°-90°)	22.2	0.4			G1/100
BL	(0°-30°)	207.0	3.8	B1/500		
BM	(30°-60°)	485.1	9.0	B1/1000		
BH	(60°-80°)	279.8	5.2	B1/500		G1/500
BVH	(80°-90°)	8.3	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	896.4	896.4	896.4	896.4	896.4	896.4	896.4	896.4	896.4	896.4	896.4
2.5°	947.5	952.9	949.8	948.2	945.5	941.6	938.5	928.8	918.6	912.0	909.7
5°	966.5	972.0	971.6	973.2	975.1	976.3	975.5	964.6	950.2	938.9	932.3
7.5°	950.2	956.4	961.5	969.3	982.9	997.3	1004.3	1002.0	987.2	971.6	963.4
10°	903.8	910.4	922.5	940.8	969.7	1000.8	1026.9	1039.0	1029.7	1012.5	1001.2
12.5°	818.9	825.5	849.3	889.0	937.3	991.5	1041.3	1073.7	1076.0	1058.9	1045.6
15°	723.4	730.1	755.4	805.3	878.9	965.8	1049.1	1110.3	1130.9	1116.1	1100.2
17.5°	664.2	670.1	689.2	729.3	806.0	914.3	1046.4	1149.3	1196.4	1184.7	1165.6
20°	646.3	651.4	660.3	688.4	752.3	861.0	1028.5	1185.9	1266.9	1260.3	1238.9
22.5°	665.4	670.1	672.8	685.3	725.4	825.9	1005.9	1223.3	1348.7	1349.5	1323.4
25°	709.4	714.1	711.0	718.8	736.3	815.0	997.3	1267.3	1451.6	1460.1	1430.5
27.5°	781.9	782.3	774.9	774.5	777.2	831.4	1006.3	1314.4	1581.3	1597.3	1560.7
30°	927.2	921.4	892.9	862.1	848.1	880.4	1031.2	1370.1	1734.4	1762.8	1716.9
32.5°	1151.2	1142.6	1090.4	1016.8	942.8	959.5	1076.0	1433.6	1901.1	1952.6	1896.5
35°	1394.3	1392.0	1337.4	1228.0	1098.6	1072.1	1148.9	1517.0	2083.1	2164.9	2098.3
37.5°	1620.3	1619.1	1587.9	1459.0	1301.6	1229.1	1265.7	1626.1	2277.9	2396.3	2317.6
40°	1826.7	1830.2	1799.1	1683.8	1525.2	1430.5	1424.7	1760.9	2494.5	2648.4	2554.9
42.5°	2005.2	2009.1	1977.5	1892.2	1746.1	1653.4	1619.9	1926.1	2706.0	2919.1	2808.5
45°	2126.3	2150.5	2145.8	2077.6	1972.8	1876.6	1854.4	2133.3	2947.2	3206.2	3076.5
47.5°	2160.6	2182.8	2217.9	2227.2	2163.3	2068.7	2095.2	2383.1	3191.0	3493.7	3346.1
50°	2076.1	2096.7	2169.6	2266.6	2311.0	2281.8	2329.3	2650.7	3440.8	3780.5	3610.6
52.5°	1909.3	1930.4	2022.3	2175.8	2356.9	2448.9	2564.2	2914.4	3682.7	4052.0	3861.1
55°	1668.2	1690.4	1808.4	1982.2	2269.3	2517.8	2760.2	3177.8	3904.4	4296.3	4087.1
57.5°	1340.1	1356.5	1479.2	1722.3	2048.8	2449.3	2904.7	3465.3	4113.2	4536.2	4311.1
60°	873.4	887.8	1030.4	1301.6	1683.4	2220.2	2933.5	3785.9	4390.5	4848.3	4613.0
62.5°	580.9	590.6	675.1	874.2	1185.5	1780.4	2764.8	4041.9	4797.3	5391.4	5130.7
65°	398.5	408.3	492.8	631.5	765.9	1177.7	2279.8	4008.0	5165.8	5822.6	5514.5
67.5°	284.4	292.6	364.3	495.2	554.4	684.1	1545.5	3574.8	5112.8	5839.0	5535.1
70°	203.7	208.4	267.6	385.7	440.6	411.0	859.4	2734.1	4476.6	5391.8	5113.6
72.5°	142.6	144.1	185.8	293.7	354.9	300.0	409.1	1822.8	3385.8	4232.0	3964.3
75°	96.6	98.6	125.1	215.4	284.8	229.1	216.6	977.5	1987.6	2342.5	2099.8
77.5°	59.2	60.0	80.6	147.3	213.1	174.5	139.5	414.1	769.0	755.0	643.6
80°	33.5	33.5	51.4	91.6	145.3	112.6	97.8	176.1	243.5	213.9	188.6
82.5°	18.7	19.1	37.4	56.9	96.2	66.6	53.8	81.4	105.2	93.1	81.0
85°	7.8	8.6	23.0	26.9	46.0	33.1	21.8	34.3	39.0	34.7	25.3
87.5°	0.8	1.2	7.0	5.1	5.5	6.6	3.1	6.6	5.5	5.5	3.9
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°	896.4	896.4	896.4	896.4	896.4	896.4	896.4	896.4	896.4	896.4	896.4
2.5°	902.3	896.4	881.6	864.5	841.9	831.0	816.2	806.0	797.5	798.2	790.5
5°	919.8	905.0	871.9	830.6	779.2	742.5	703.6	676.7	654.9	650.2	639.7
7.5°	943.9	920.6	862.5	788.1	701.2	635.4	576.6	538.8	511.9	503.3	494.8
10°	975.1	941.2	850.4	734.7	609.7	525.9	462.8	433.2	414.9	408.7	404.0
12.5°	1011.3	965.0	834.5	669.7	515.4	434.8	394.6	379.8	374.0	372.0	370.9
15°	1056.9	994.6	810.3	592.5	435.5	379.1	361.9	360.0	360.7	360.0	359.6
17.5°	1111.1	1026.9	771.0	513.1	381.8	350.6	344.4	345.9	347.9	347.5	346.7
20°	1170.3	1058.9	720.7	442.6	345.2	330.4	326.9	328.4	330.0	329.2	328.8
22.5°	1237.7	1093.2	665.0	387.6	320.6	311.7	307.8	308.2	308.2	306.6	305.8
25°	1318.3	1130.9	606.6	348.7	301.9	294.9	290.2	288.7	286.3	281.7	280.9
27.5°	1414.6	1171.1	550.5	321.4	287.1	280.5	275.0	271.1	265.3	257.5	256.7
30°	1522.9	1219.8	502.9	304.3	275.4	268.8	262.6	256.7	248.2	238.4	237.6
32.5°	1650.3	1272.0	468.3	293.0	264.9	257.9	250.5	243.5	234.1	224.4	224.8
35°	1802.2	1335.1	448.0	285.2	256.7	247.4	239.2	231.4	224.4	215.8	215.0
37.5°	1967.0	1402.1	441.8	281.3	251.3	236.9	227.5	222.1	221.3	216.2	215.8
40°	2147.4	1481.6	446.5	278.9	245.4	226.7	216.6	215.4	217.4	208.4	208.8
42.5°	2338.2	1575.8	454.2	276.2	237.3	216.6	206.9	206.9	205.3	192.8	192.8
45°	2544.7	1684.5	462.0	269.6	227.5	206.5	199.1	196.3	189.7	177.6	177.3
47.5°	2752.8	1795.2	467.9	257.5	215.8	197.9	191.3	185.0	175.3	164.4	164.0
50°	2950.3	1894.5	461.7	239.6	202.6	189.7	182.7	174.1	163.6	156.2	155.1
52.5°	3126.8	1980.6	435.2	218.6	188.6	181.2	174.9	166.0	157.4	149.6	148.8
55°	3280.2	2050.4	388.4	198.7	176.1	173.8	167.5	156.2	144.5	137.9	137.1
57.5°	3427.5	2103.3	330.0	182.3	164.8	165.6	156.2	146.1	135.2	128.2	127.4
60°	3623.5	2174.2	270.8	167.1	152.7	155.1	144.9	137.5	123.9	114.9	113.8
62.5°	3936.7	2284.5	215.0	148.4	138.7	139.5	135.2	126.2	109.9	99.3	98.6
65°	4185.2	2244.0	169.5	128.2	122.7	123.9	123.9	114.1	96.6	84.5	83.4
67.5°	4157.2	1921.4	135.2	108.3	107.5	108.3	111.0	102.8	85.7	76.0	74.4
70°	3829.6	1528.3	108.3	90.0	93.5	91.6	99.3	93.9	77.1	67.4	66.2
72.5°	3124.8	1100.9	82.6	74.4	71.7	74.8	89.6	84.5	64.3	53.4	52.2
75°	1826.0	587.5	61.6	58.8	51.8	62.3	79.5	72.1	49.1	39.3	38.2
77.5°	594.5	204.9	45.2	43.2	38.6	50.3	67.8	60.8	40.1	31.2	30.0
80°	159.3	61.9	30.8	28.4	24.9	37.4	53.8	48.3	28.8	20.3	19.9
82.5°	63.9	26.1	17.9	16.0	13.6	25.7	42.5	39.0	21.4	12.9	12.9
85°	20.6	8.6	6.6	5.1	6.2	16.0	25.3	26.5	15.2	6.6	5.1
87.5°	2.7	1.2	1.2	1.6	1.2	2.7	7.8	7.4	4.3	0.8	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)