

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: P945563

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945563
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-SB1C-722-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4767 lumens
Efficiency: N/A
Efficacy: 87.6 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

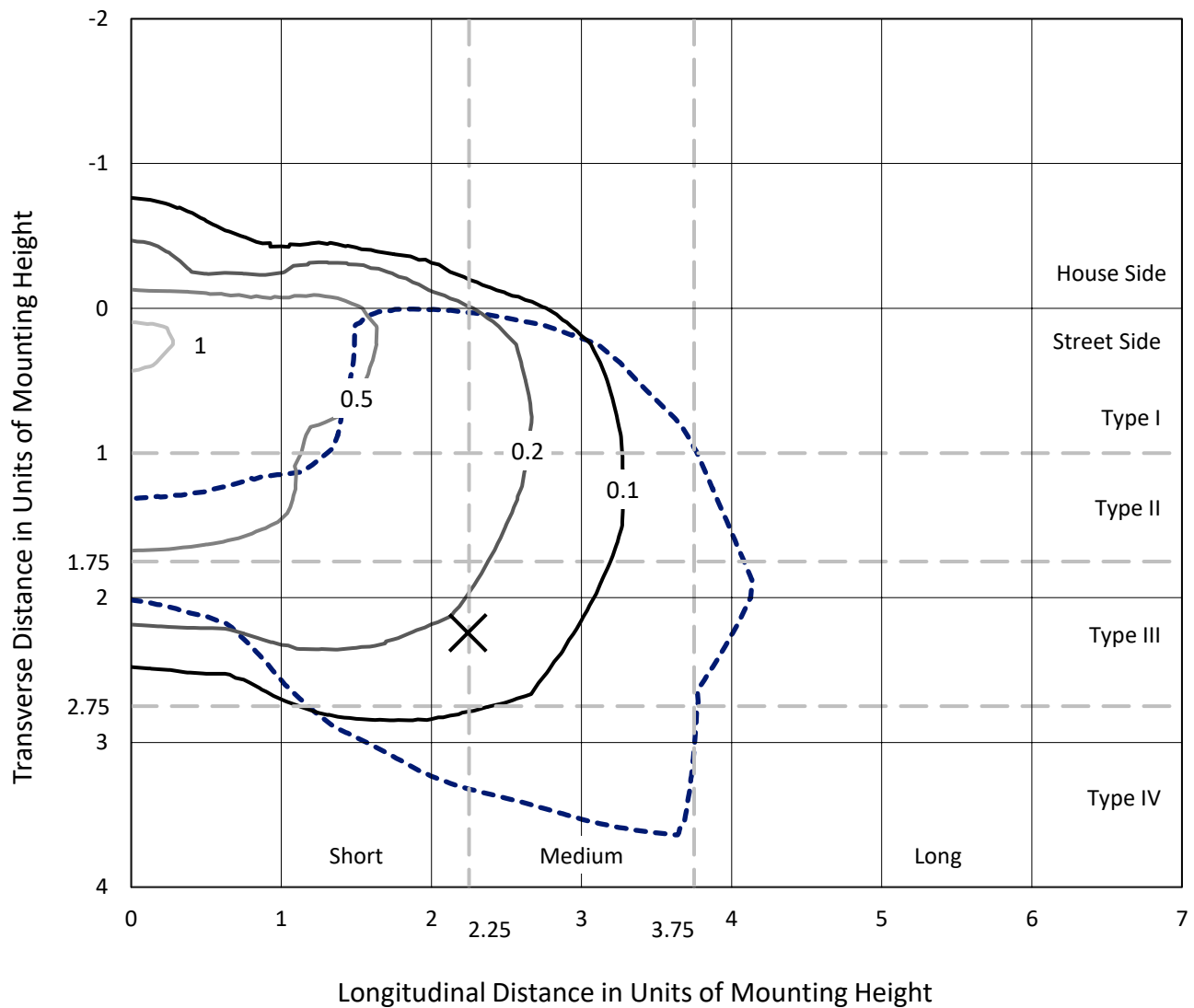


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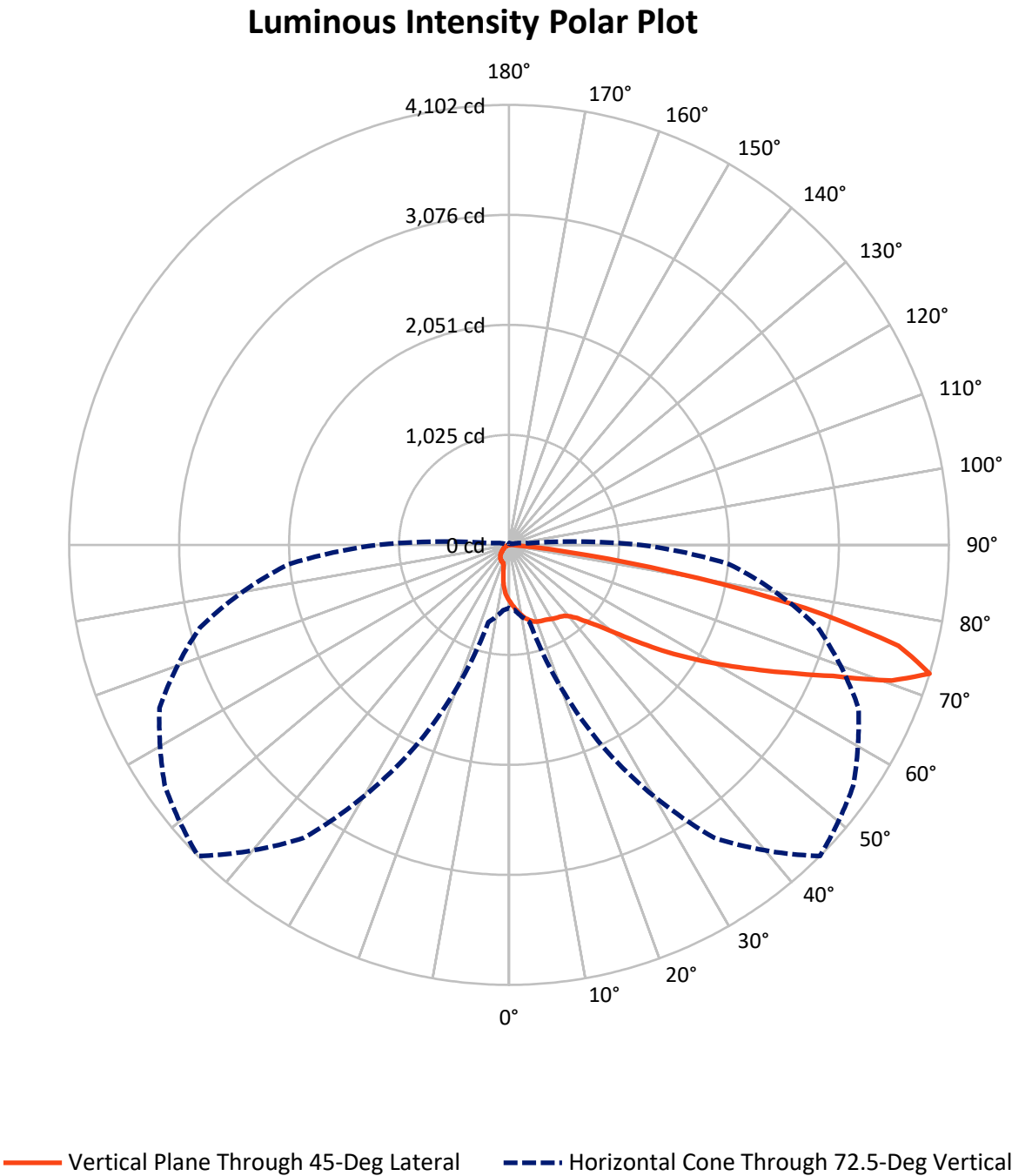
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Short - N/A

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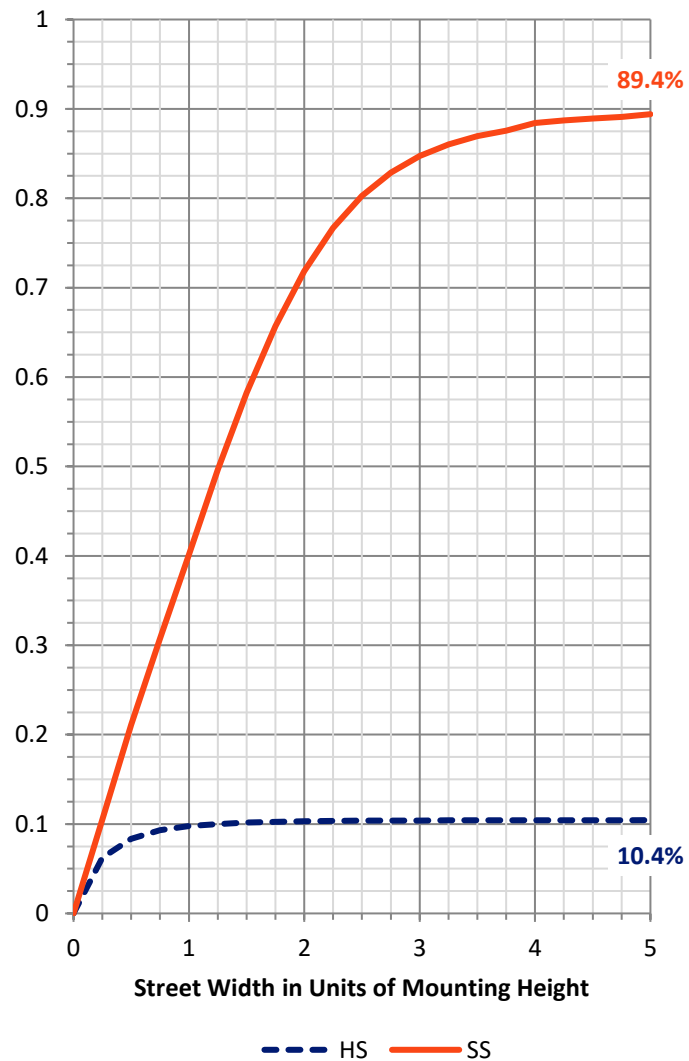
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	500.9	0.0	500.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4266.1	0.0	4266.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	4767.0	0.0	4767.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	1.0
10°-20°	143.8	3.0
20°-30°	236.2	5.0
30°-40°	334.9	7.0
40°-50°	553.6	11.6
50°-60°	994.5	20.9
60°-70°	1380.8	29.0
70°-80°	1001.6	21.0
80°-90°	72.4	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°	4767.0	100.0
0°-180°	4767.0	100.0

Coefficient of Utilization



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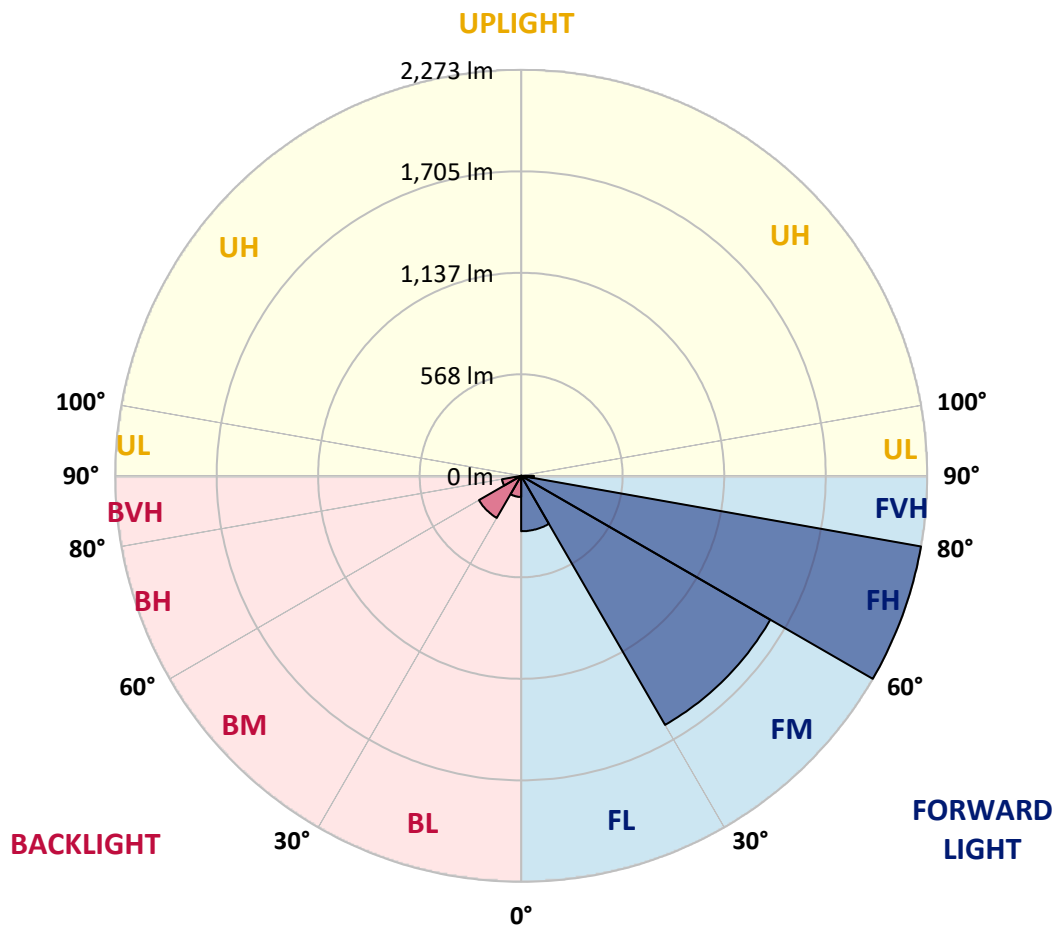
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	310.5	6.5			
FM	(30°-60°)	1610.5	33.8			
FH	(60°-80°)	2273.2	47.7			G2/5000
FVH	(80°-90°)	71.8	1.5			G1/100
BL	(0°-30°)	118.6	2.5	B1/500		
BM	(30°-60°)	272.4	5.7	B1/1000		
BH	(60°-80°)	109.2	2.3	B0/110		G0/110
BVH	(80°-90°)	0.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	522.2	522.2	522.2	522.2	522.2	522.2	522.2	522.2	522.2	522.2	522.2
2.5°	570.4	571.4	570.7	566.8	560.3	556.7	554.8	548.3	544.0	536.6	528.7
5°	622.8	626.7	624.4	616.6	604.2	595.4	592.8	579.5	567.5	553.5	537.2
7.5°	678.4	680.4	676.1	666.1	649.5	634.5	632.2	613.7	594.5	573.0	550.9
10°	726.6	728.9	722.3	707.7	688.8	670.3	667.0	646.5	623.8	597.4	569.1
12.5°	766.9	769.2	760.7	743.2	722.3	703.1	699.9	678.4	653.4	624.1	588.9
15°	797.5	801.7	790.3	771.5	749.0	729.8	728.2	707.1	682.6	650.1	612.7
17.5°	815.4	819.6	808.9	786.1	766.9	750.7	748.7	731.1	708.4	677.1	635.8
20°	818.3	822.2	810.8	791.0	775.1	762.0	761.1	748.4	731.8	701.8	660.8
22.5°	809.5	814.4	804.0	788.1	777.0	770.2	768.9	761.7	752.3	726.9	684.3
25°	800.4	804.3	796.5	782.5	776.7	776.0	777.0	775.7	773.8	752.3	711.6
27.5°	799.8	804.0	795.2	781.9	778.6	785.5	786.4	792.6	794.3	775.4	738.0
30°	805.3	808.2	799.8	785.8	784.2	799.8	800.1	811.2	813.8	794.9	764.0
32.5°	817.4	820.6	812.1	791.6	789.4	811.2	812.1	826.8	831.0	815.7	791.3
35°	845.7	849.6	839.8	807.9	799.8	821.9	824.8	842.1	850.5	837.9	819.6
37.5°	916.3	904.9	891.5	840.8	823.5	838.8	843.7	863.9	878.9	864.2	853.5
40°	1091.7	1055.9	1014.2	896.7	865.2	874.9	878.9	899.0	919.5	905.2	900.0
42.5°	1354.9	1312.6	1245.6	1025.6	928.0	932.9	935.8	953.4	982.3	970.9	972.2
45°	1589.5	1574.2	1505.9	1245.6	1045.4	1021.4	1024.9	1034.1	1076.7	1072.5	1080.9
47.5°	1769.7	1761.0	1708.2	1498.0	1243.9	1129.7	1139.8	1144.0	1205.5	1220.5	1243.3
50°	1908.4	1905.1	1857.9	1722.6	1503.3	1289.5	1293.1	1283.9	1376.0	1413.1	1456.4
52.5°	2039.2	2050.2	2015.4	1931.1	1780.2	1498.7	1498.0	1455.1	1579.4	1635.4	1709.2
55°	2157.3	2161.2	2164.8	2143.9	2058.7	1736.9	1730.7	1660.4	1815.3	1873.2	1953.3
57.5°	2268.2	2269.9	2301.7	2344.4	2348.6	1992.6	1981.2	1897.0	2073.0	2114.3	2163.5
60°	2342.7	2350.2	2417.6	2536.0	2587.7	2256.5	2250.3	2164.4	2335.3	2354.5	2345.3
62.5°	2235.4	2280.9	2450.8	2685.7	2813.6	2549.0	2546.1	2465.4	2611.2	2595.6	2517.5
65°	1809.4	1886.6	2185.3	2786.9	3035.1	2875.7	2879.9	2794.0	2894.6	2843.8	2657.4
67.5°	1265.7	1347.1	1700.4	2795.0	3282.8	3259.3	3283.7	3149.0	3195.6	3081.7	2690.6
70°	875.3	917.2	1147.3	2620.0	3475.7	3787.7	3787.1	3585.0	3494.9	3190.0	2521.4
72.5°	588.6	610.4	745.1	2078.5	3333.8	4101.7	4082.9	3918.2	3595.8	2983.4	2060.0
75°	248.3	264.2	344.9	1168.1	2637.5	3752.6	3701.5	3462.7	3194.9	2349.2	1285.3
77.5°	78.7	85.6	136.0	418.1	1452.8	2820.7	2766.7	2162.5	2141.3	1178.5	469.8
80°	37.4	43.6	76.5	167.9	571.7	1534.2	1526.7	981.0	921.2	318.2	94.4
82.5°	16.3	19.2	42.3	89.8	255.7	547.3	558.4	333.8	276.2	120.7	29.0
85°	5.2	6.8	19.5	41.3	108.0	136.0	134.4	79.4	111.3	65.7	10.1
87.5°	0.0	0.0	6.5	9.4	11.1	7.8	8.8	6.8	30.9	18.2	3.6
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°	522.2	522.2	522.2	522.2	522.2	522.2	522.2	522.2	522.2	522.2	522.2
2.5°	524.8	519.6	510.5	502.1	494.6	487.1	482.5	476.0	475.4	475.4	477.0
5°	528.4	520.0	503.7	486.4	466.6	447.7	428.9	410.6	404.8	400.5	402.5
7.5°	538.8	525.5	499.8	466.9	429.2	387.9	358.9	327.7	315.6	309.1	310.1
10°	553.8	535.6	496.5	438.9	377.8	321.5	280.2	246.3	233.3	227.8	227.8
12.5°	570.4	547.9	490.7	404.1	321.5	254.1	213.8	198.2	196.2	196.2	196.2
15°	590.2	562.9	480.6	363.1	262.6	201.1	186.8	187.4	189.4	190.7	190.7
17.5°	610.7	578.9	464.6	317.2	210.5	180.9	181.2	182.2	183.8	185.1	185.1
20°	632.9	594.8	443.5	268.4	180.6	175.1	176.0	177.0	178.3	179.0	179.3
22.5°	656.6	609.8	418.4	220.6	170.5	170.2	170.5	171.5	173.1	173.1	173.8
25°	682.0	626.4	389.8	185.8	165.3	165.3	165.9	166.6	167.9	167.9	168.2
27.5°	708.0	641.6	359.5	167.6	160.7	160.4	160.4	161.4	162.0	162.4	162.7
30°	736.7	659.5	329.3	163.7	157.2	155.5	154.6	155.2	155.9	156.2	156.8
32.5°	765.9	676.8	302.3	165.3	153.6	150.7	147.4	146.7	146.7	148.0	149.0
35°	798.5	695.7	281.5	170.8	151.6	143.5	138.3	135.4	135.7	137.6	138.6
37.5°	837.5	718.4	266.2	175.7	150.3	135.4	126.9	123.3	121.0	123.3	122.7
40°	888.6	752.0	255.1	179.6	148.7	125.9	114.5	108.7	104.4	105.7	105.1
42.5°	963.8	804.7	250.9	179.9	145.1	114.9	101.8	94.0	87.9	88.2	86.9
45°	1069.2	888.0	272.7	175.7	137.3	102.8	88.5	78.1	74.2	73.2	71.9
47.5°	1213.7	1009.3	323.1	166.9	125.9	91.1	75.5	66.7	63.8	62.1	61.2
50°	1407.3	1165.2	379.1	157.2	114.5	80.0	64.8	59.2	57.3	55.6	55.3
52.5°	1631.8	1323.3	424.9	147.4	103.1	70.3	57.9	54.7	53.0	51.7	51.4
55°	1837.7	1432.3	422.3	137.0	92.1	62.5	53.0	51.1	49.1	47.8	47.2
57.5°	1965.9	1447.6	348.2	125.6	79.4	56.3	48.5	47.2	44.9	43.3	43.0
60°	2024.8	1360.4	244.0	110.6	66.7	50.4	43.6	43.0	40.0	37.7	37.1
62.5°	2035.6	1198.4	162.7	92.1	55.6	44.9	38.7	37.7	33.8	29.9	28.0
65°	1992.0	966.7	112.6	71.9	47.5	39.0	33.2	31.2	27.0	23.1	21.8
67.5°	1854.0	678.7	78.4	51.7	40.3	30.9	26.4	25.7	22.5	19.2	18.2
70°	1601.2	386.9	52.4	38.7	31.9	21.1	20.8	21.5	18.2	15.6	14.3
72.5°	1227.7	177.0	32.5	28.3	21.8	14.3	16.6	16.9	14.0	11.7	10.4
75°	722.7	75.8	20.5	18.2	11.1	9.4	12.0	12.4	9.4	7.5	6.5
77.5°	246.0	28.6	13.0	10.7	5.5	5.2	7.8	7.8	5.2	2.9	2.3
80°	56.0	10.7	6.5	4.2	2.6	2.3	2.6	2.3	1.3	0.3	0.0
82.5°	15.9	4.2	2.6	1.6	1.0	1.0	0.3	0.0	0.0	0.0	0.0
85°	4.6	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	0.3	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)