

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: P944848

Luminaire Tested: **GALN-SB1A-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944848
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-SB1A-722-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3805 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 30.9
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



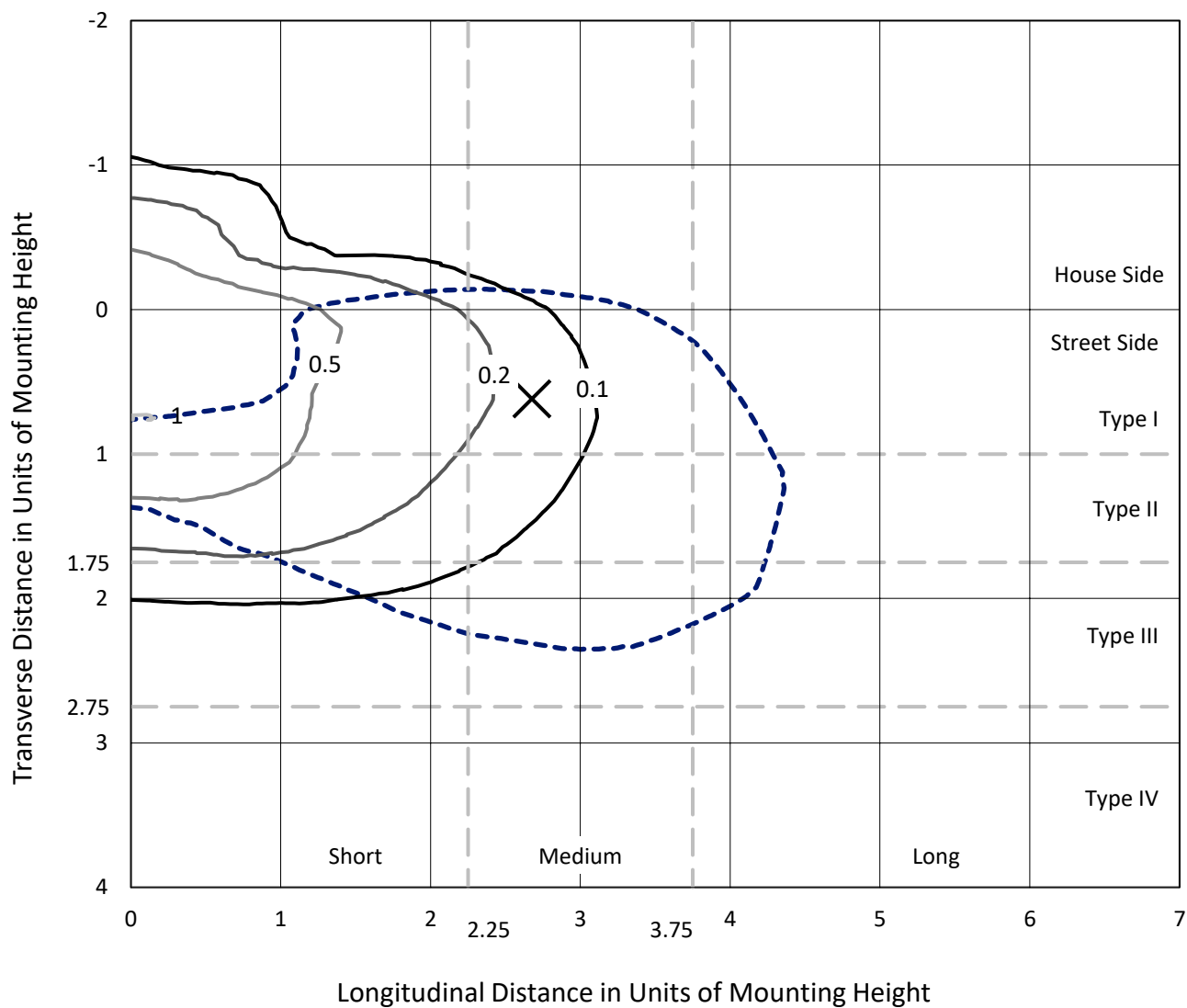
REPORT NUMBER: P944848

CATALOG NUMBER: GALN-SB1A-722-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

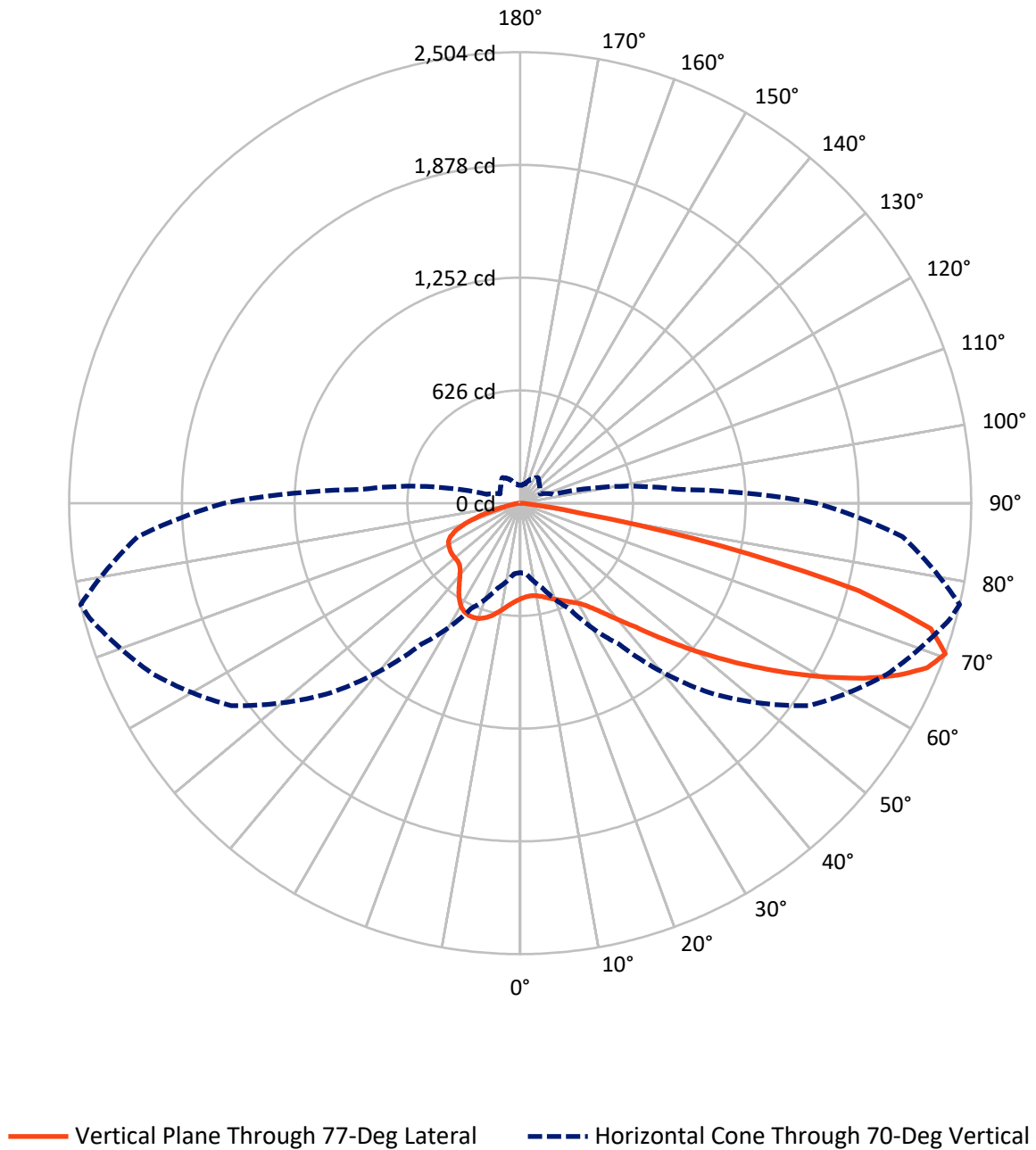


Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type III - Medium - N/A

REPORT NUMBER: P944848

CATALOG NUMBER: GALN-SB1A-722-U-T3R

Luminous Intensity Polar Plot



REPORT NUMBER: P944848

CATALOG NUMBER: GALN-SB1A-722-U-T3R

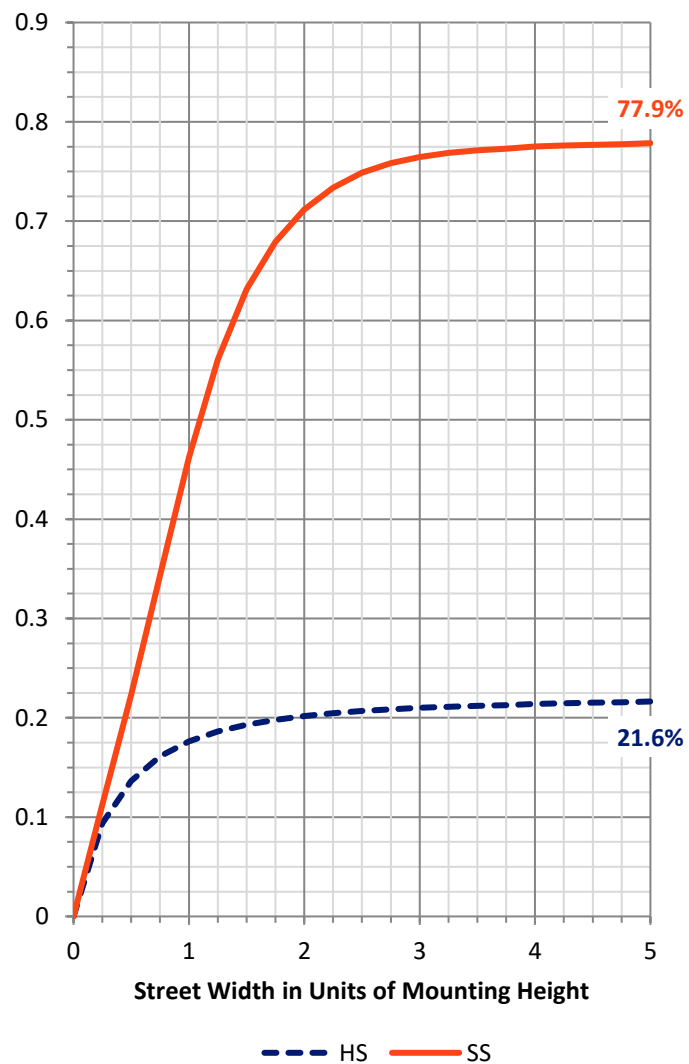
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	833.2	0.0	833.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	2971.8	0.0	2971.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	3805.0	0.0	3805.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	1.3
10°-20°	146.1	3.8
20°-30°	249.9	6.6
30°-40°	401.8	10.6
40°-50°	627.4	16.5
50°-60°	838.0	22.0
60°-70°	893.2	23.5
70°-80°	549.8	14.5
80°-90°	48.2	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°	3805.0	100.0
0°-180°	3805.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944848

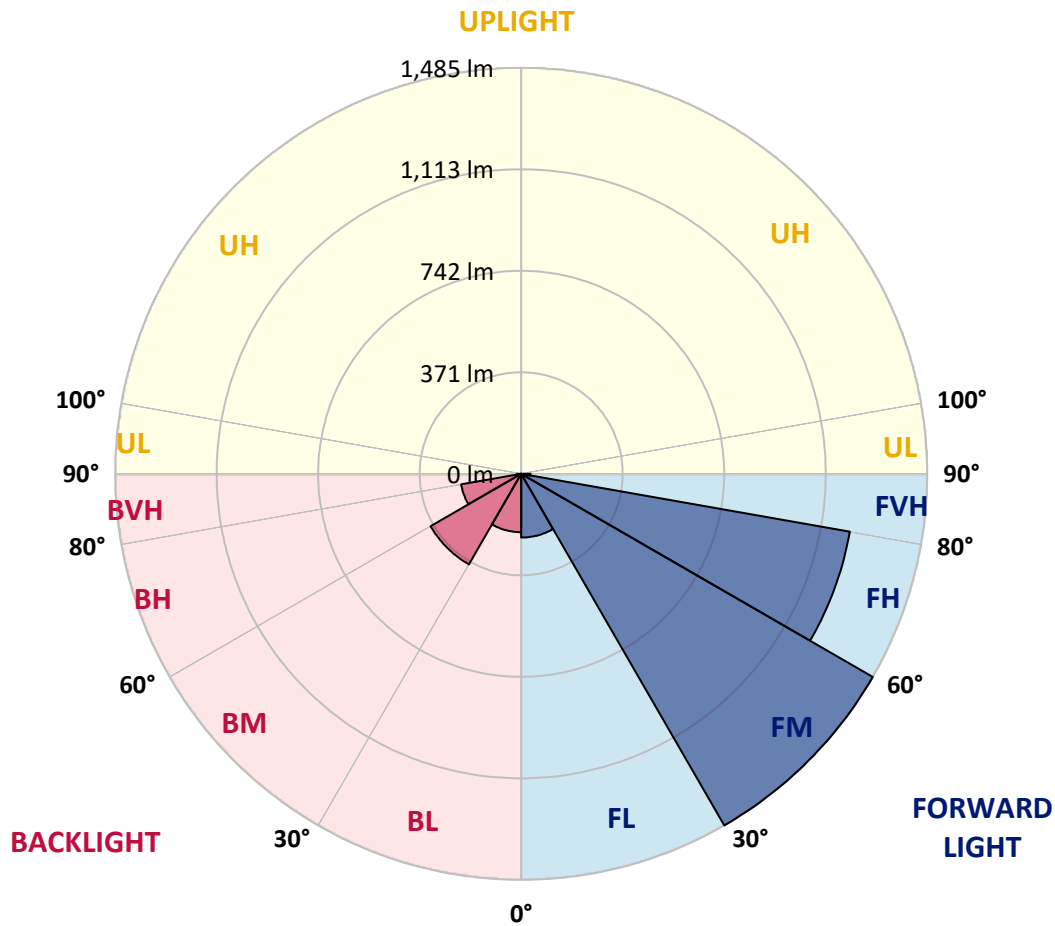
CATALOG NUMBER: GALN-SB1A-722-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.1	6.1			
FM	(30°-60°)	1484.6	39.0			
FH	(60°-80°)	1220.3	32.1			G1/1800
FVH	(80°-90°)	33.7	0.9			G1/100
BL	(0°-30°)	213.5	5.6	B1/500		
BM	(30°-60°)	382.6	10.1	B1/1000		
BH	(60°-80°)	222.7	5.9	B1/500		G1/500
BVH	(80°-90°)	14.5	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-G1

Type III Medium



REPORT NUMBER: P944848

CATALOG NUMBER: GALN-SB1A-722-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	530.8	530.8	530.8	530.8	530.8	530.8	530.8	530.8	530.8	530.8	530.8
2.5°	489.3	489.1	491.7	492.4	497.1	500.4	506.7	513.3	521.9	522.8	528.1
5°	461.1	461.1	464.0	467.1	473.2	479.8	489.3	500.8	515.6	518.0	531.0
7.5°	437.1	438.7	441.2	447.2	454.2	463.8	478.4	494.8	514.3	518.0	539.0
10°	417.8	419.6	422.7	427.5	438.1	451.3	470.4	491.5	517.6	523.4	550.7
12.5°	411.8	413.5	415.3	419.0	428.7	444.3	467.1	493.0	525.6	531.4	566.7
15°	425.8	427.9	426.6	425.6	430.7	444.9	468.7	498.7	535.5	543.9	586.4
17.5°	458.1	458.9	455.8	446.6	445.9	453.5	476.1	506.5	548.0	557.1	606.2
20°	510.4	509.0	502.6	484.5	474.1	472.6	488.7	518.2	560.8	570.6	627.7
22.5°	581.3	579.7	566.9	538.2	515.2	500.0	507.1	533.4	575.3	586.2	648.5
25°	669.8	667.6	648.7	609.8	574.1	536.5	532.0	553.4	593.0	603.1	670.4
27.5°	773.1	771.3	750.8	699.4	648.0	586.4	563.0	577.0	611.5	623.0	694.9
30°	884.1	889.2	853.0	797.6	732.5	651.5	604.7	606.1	635.5	645.8	724.7
32.5°	1014.7	1023.5	979.8	909.7	820.8	722.2	657.3	646.6	670.4	678.9	762.3
35°	1144.1	1154.0	1117.8	1040.2	937.9	805.6	712.3	693.2	716.7	726.1	812.2
37.5°	1256.0	1269.2	1250.5	1183.1	1063.2	906.2	784.0	747.9	773.8	785.5	879.3
40°	1344.2	1364.5	1363.1	1321.0	1210.9	1028.1	875.0	815.5	844.8	857.4	960.5
42.5°	1415.9	1433.5	1448.7	1446.5	1365.1	1166.7	982.0	903.4	925.6	940.3	1051.9
45°	1465.4	1484.1	1516.9	1552.2	1513.4	1315.0	1104.5	1007.7	1028.0	1050.0	1160.9
47.5°	1509.7	1530.9	1573.4	1629.3	1639.3	1463.9	1238.8	1129.1	1147.6	1170.4	1270.2
50°	1513.6	1531.9	1597.8	1677.1	1728.7	1606.9	1383.0	1265.3	1282.6	1307.0	1387.3
52.5°	1419.5	1448.3	1563.3	1675.7	1769.8	1726.6	1526.2	1407.0	1426.5	1455.7	1508.5
55°	1101.8	1144.1	1462.1	1623.5	1755.2	1803.9	1662.5	1557.6	1582.6	1613.2	1630.5
57.5°	949.0	967.5	1160.7	1528.4	1688.6	1824.0	1777.4	1709.8	1750.0	1783.5	1759.5
60°	853.0	868.4	982.5	1380.5	1600.9	1792.2	1866.3	1851.7	1921.1	1961.0	1891.4
62.5°	750.1	764.7	868.5	1152.7	1488.6	1739.4	1922.4	1982.6	2096.4	2140.1	2015.8
65°	648.0	660.4	760.0	968.5	1346.0	1686.6	1951.5	2095.9	2258.8	2304.0	2119.0
67.5°	534.1	544.5	638.6	817.1	1172.5	1614.3	1965.9	2184.9	2400.0	2438.8	2170.1
70°	385.5	393.4	490.7	646.2	954.9	1490.0	1960.0	2248.0	2473.3	2504.3	2131.5
72.5°	182.2	189.4	303.6	419.6	674.5	1248.0	1841.7	2198.0	2398.9	2383.5	1895.3
75°	97.2	103.5	174.4	230.1	356.2	855.5	1507.1	1893.4	2014.4	1939.6	1400.7
77.5°	65.9	70.7	108.0	138.2	162.7	406.1	968.7	1310.9	1261.2	1137.7	701.5
80°	52.2	57.3	88.5	93.5	78.7	146.7	400.3	606.8	435.9	348.6	199.5
82.5°	40.1	45.8	74.4	67.8	42.9	60.2	116.5	191.9	111.7	85.0	48.3
85°	24.6	30.6	58.5	43.3	24.2	27.5	39.6	53.4	34.1	28.5	17.3
87.5°	12.5	17.5	29.6	15.8	10.9	6.4	10.5	10.5	9.0	7.8	4.5
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: P944848

CATALOG NUMBER: GALN-SB1A-722-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	530.8	530.8	530.8	530.8	530.8	530.8	530.8	530.8	530.8	530.8	530.8
2.5°	532.8	536.7	543.3	549.5	554.4	559.1	563.8	566.3	567.1	570.2	572.0
5°	539.0	546.2	559.1	571.2	578.8	583.4	586.8	588.7	589.1	590.1	591.6
7.5°	550.5	562.0	579.9	592.0	597.7	597.3	595.9	591.0	589.1	587.3	587.7
10°	566.7	581.9	603.9	612.3	608.8	599.4	587.3	573.1	566.5	560.1	558.1
12.5°	586.8	606.1	627.7	627.3	610.0	586.0	557.9	536.1	522.3	512.3	510.0
15°	611.1	633.3	649.9	636.6	598.6	555.6	514.5	486.0	473.5	462.6	461.5
17.5°	636.3	660.0	667.6	633.7	570.2	510.6	464.0	441.6	429.3	423.5	425.2
20°	660.8	684.4	678.2	617.0	526.9	459.5	418.0	405.7	403.2	404.6	404.0
22.5°	686.7	707.8	680.3	584.6	471.8	407.3	384.5	384.9	390.5	394.6	395.6
25°	713.2	727.5	674.6	537.8	412.5	368.9	363.2	369.5	380.6	388.6	390.7
27.5°	738.8	745.0	662.4	480.0	361.7	341.4	342.4	355.3	372.0	383.1	385.8
30°	767.6	760.6	638.8	414.9	326.4	317.8	326.0	341.0	357.8	367.7	370.1
32.5°	800.1	774.0	601.4	354.7	301.5	298.9	312.4	322.1	329.5	332.5	334.0
35°	840.7	792.9	553.4	312.4	279.1	285.1	298.0	293.1	290.2	288.6	290.2
37.5°	893.3	818.5	497.3	284.9	260.9	275.2	280.4	265.2	253.7	248.1	249.4
40°	956.6	855.9	443.3	263.7	249.4	266.6	257.4	239.1	224.5	216.5	217.1
42.5°	1027.0	895.0	397.9	247.7	243.0	259.6	240.5	218.6	195.1	192.5	195.1
45°	1100.8	935.4	366.9	235.4	239.9	253.5	230.7	195.5	178.7	189.0	194.5
47.5°	1174.7	972.4	348.2	226.2	238.3	246.7	222.2	182.6	170.7	185.7	192.7
50°	1256.9	1005.5	339.9	219.6	236.6	244.0	209.3	179.3	162.3	172.3	179.7
52.5°	1338.6	1031.3	333.6	213.0	234.0	241.8	203.1	175.4	152.2	152.8	156.9
55°	1420.0	1048.0	326.8	204.2	228.4	237.2	202.5	171.1	144.6	141.9	143.8
57.5°	1506.9	1057.6	318.4	194.5	218.6	225.3	201.9	167.8	142.3	137.8	138.4
60°	1595.4	1071.6	307.5	182.6	205.6	211.0	200.5	166.6	140.9	133.3	133.9
62.5°	1674.7	1076.5	294.5	171.3	188.8	197.0	197.6	165.6	137.2	124.1	124.1
65°	1726.8	1055.4	271.7	158.4	170.7	182.6	191.9	162.3	130.6	117.5	117.5
67.5°	1724.6	995.4	236.0	141.9	153.2	166.6	183.8	156.7	122.6	109.3	109.9
70°	1644.3	876.9	190.8	122.6	133.9	149.5	173.2	148.3	113.0	100.4	101.5
72.5°	1410.3	686.3	138.6	100.0	111.5	131.7	159.6	138.2	103.3	92.4	91.8
75°	1007.5	434.4	93.9	76.8	86.7	111.7	142.6	126.3	94.3	92.8	87.5
77.5°	514.7	207.5	62.2	56.1	60.4	88.1	119.8	112.8	95.7	76.6	68.2
80°	167.4	76.6	39.2	38.2	40.1	58.7	92.8	92.6	72.5	52.0	46.0
82.5°	53.4	32.9	25.5	24.6	23.6	36.8	64.7	73.3	48.9	32.9	32.7
85°	21.2	19.7	15.0	13.8	9.9	17.3	33.9	48.7	36.4	23.8	24.4
87.5°	7.8	7.8	4.1	2.9	2.1	5.8	9.2	14.6	20.9	12.3	12.1
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)