

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: P944847

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
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-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3086 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - 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

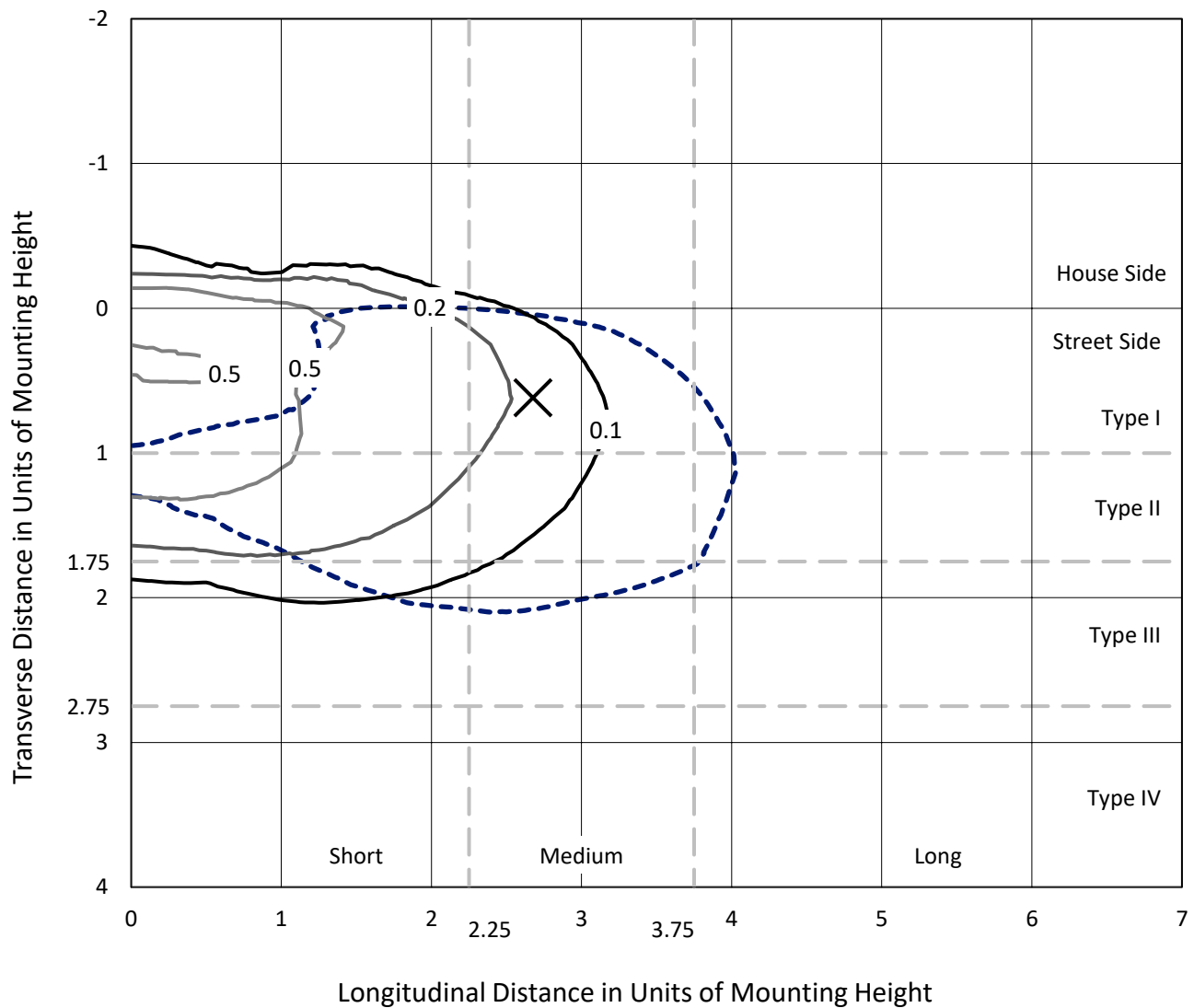


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Iso-Footcandle Lines of Horizontal Illumination

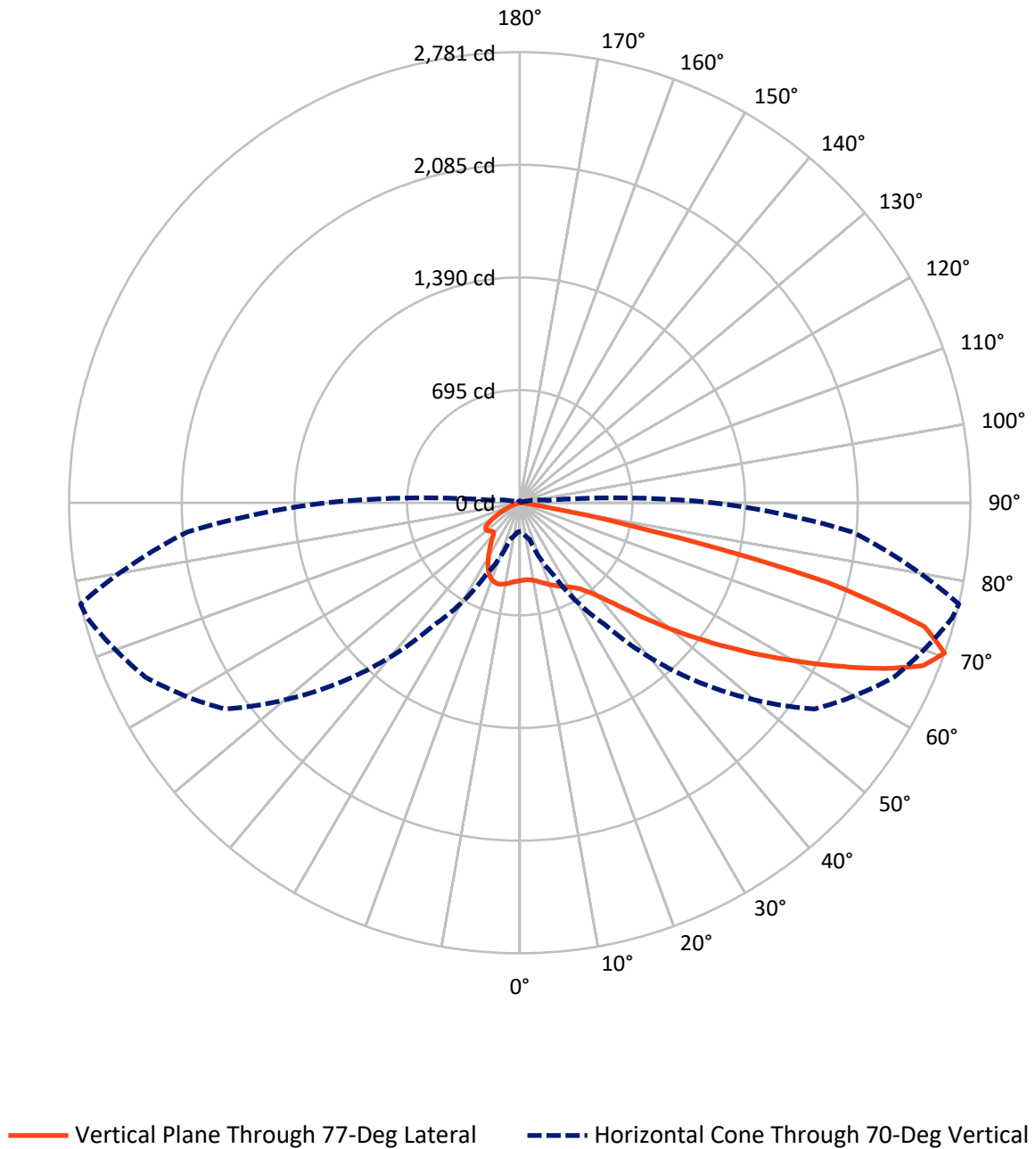
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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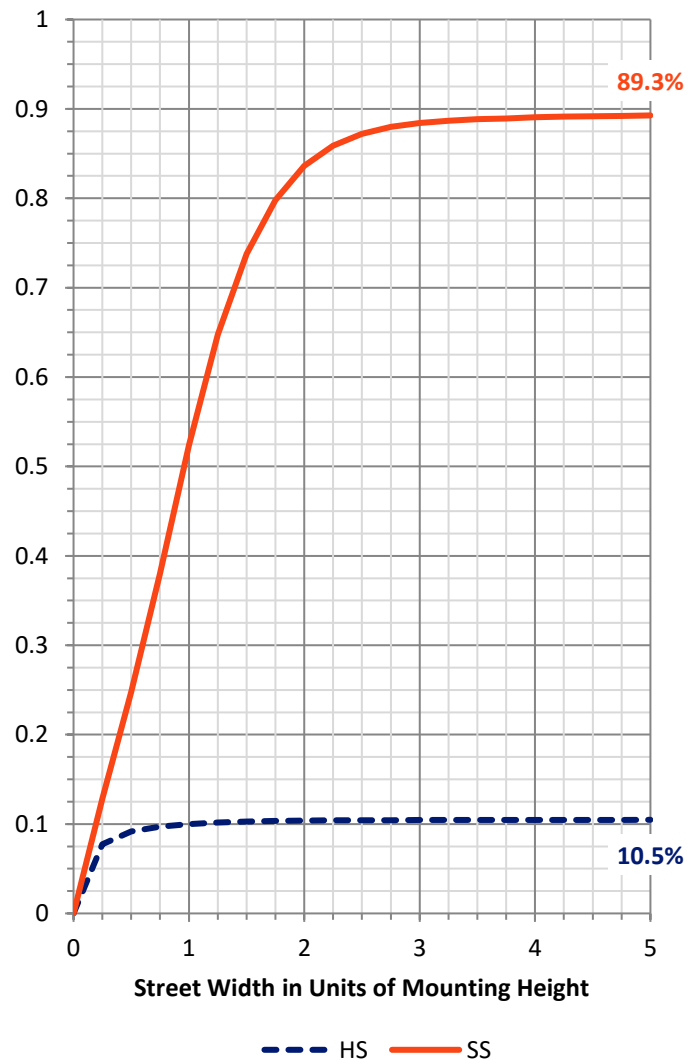
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	325.3	0.0	325.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2760.7	0.0	2760.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	3086.0	0.0	3086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	1.3
10°-20°	98.5	3.2
20°-30°	152.3	4.9
30°-40°	276.4	9.0
40°-50°	521.7	16.9
50°-60°	753.9	24.4
60°-70°	802.5	26.0
70°-80°	425.3	13.8
80°-90°	14.0	0.5
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°	3086.0	100.0
0°-180°	3086.0	100.0

Coefficient of Utilization



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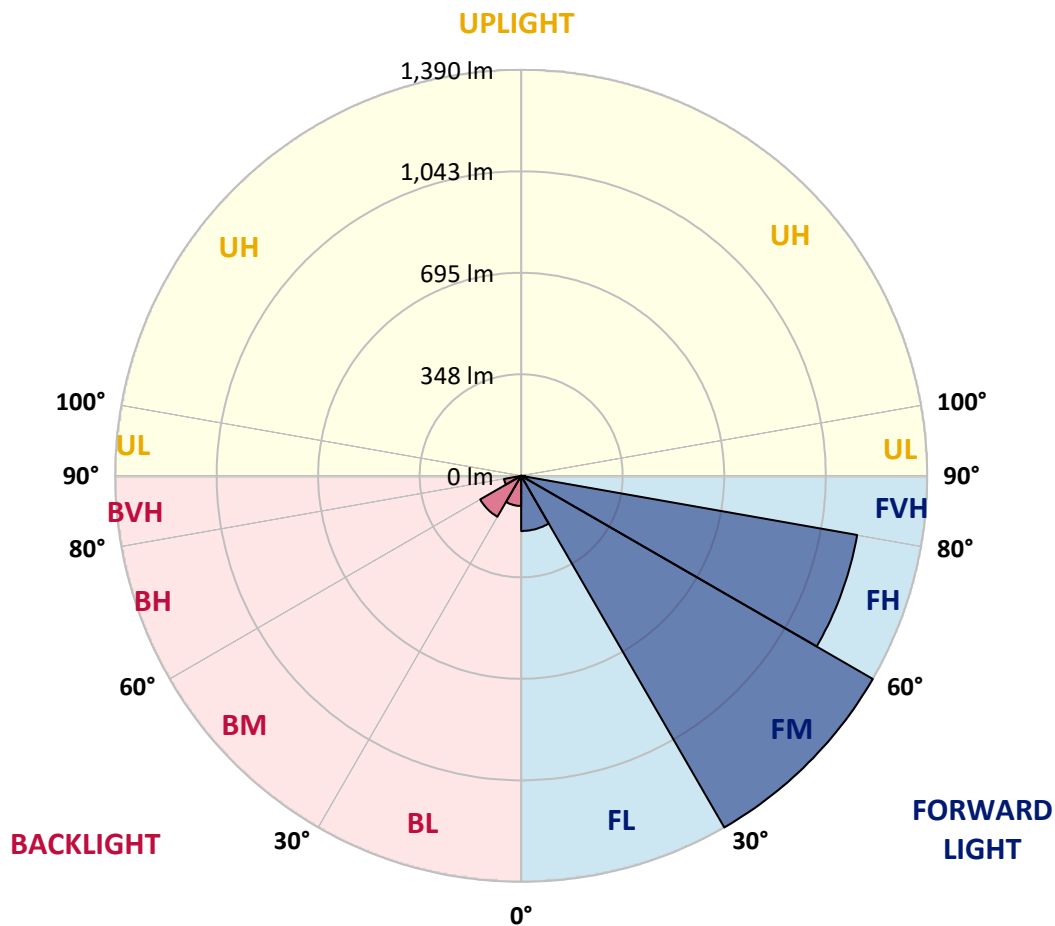
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.9	6.1			
FM	(30°-60°)	1390.1	45.0			
FH	(60°-80°)	1168.1	37.9			G1/1800
FVH	(80°-90°)	13.6	0.4			G1/100
BL	(0°-30°)	103.4	3.3	B0/110		
BM	(30°-60°)	161.9	5.2	B0/220		
BH	(60°-80°)	59.6	1.9	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	481.4	481.4	481.4	481.4	481.4	481.4	481.4	481.4	481.4	481.4	481.4
2.5°	451.9	456.0	455.4	458.2	459.1	463.0	466.9	472.2	478.0	477.9	481.8
5°	426.4	430.5	431.5	435.2	439.9	445.9	453.9	464.4	475.3	477.1	484.9
7.5°	396.2	400.5	403.0	410.4	419.0	431.5	444.5	459.9	478.0	480.6	495.6
10°	366.0	369.9	373.2	383.7	397.4	415.9	437.1	459.3	483.7	487.4	508.6
12.5°	347.3	351.0	354.7	363.8	380.8	403.4	432.2	462.1	493.1	498.3	526.4
15°	340.7	344.0	346.9	355.1	370.9	396.6	431.3	467.7	504.9	512.0	547.8
17.5°	341.6	343.4	345.3	351.6	367.0	393.5	433.0	477.5	519.0	525.2	569.3
20°	347.3	348.3	348.5	352.7	366.4	393.1	436.5	486.8	532.2	540.6	590.5
22.5°	354.5	354.9	354.5	357.4	370.1	396.0	441.2	498.1	547.0	554.8	611.9
25°	388.2	380.8	371.4	365.8	376.3	401.7	448.2	513.3	563.2	570.8	632.8
27.5°	492.9	471.6	438.1	400.5	389.2	409.8	458.0	528.7	579.6	586.4	655.2
30°	662.8	634.9	578.0	493.2	430.5	427.0	470.6	544.1	596.9	604.3	679.2
32.5°	833.1	826.3	760.6	643.3	523.5	465.2	491.7	565.0	619.9	625.8	711.5
35°	1005.4	991.6	937.8	821.8	666.7	542.9	526.8	592.2	650.1	656.8	758.7
37.5°	1137.3	1129.0	1095.6	1000.1	836.6	663.0	586.8	634.5	694.0	701.4	819.1
40°	1253.9	1250.0	1238.7	1175.7	1026.6	820.1	680.1	700.0	754.8	763.6	893.1
42.5°	1345.5	1354.6	1361.1	1343.5	1222.5	999.4	805.6	792.0	839.6	848.5	987.5
45°	1439.2	1442.3	1468.2	1493.6	1417.0	1186.8	947.1	899.8	945.0	956.1	1100.5
47.5°	1499.4	1511.9	1557.5	1602.1	1580.5	1372.8	1099.1	1027.0	1067.2	1088.0	1227.2
50°	1503.9	1527.5	1590.2	1668.0	1699.6	1549.7	1264.4	1172.0	1214.7	1237.7	1362.4
52.5°	1429.3	1465.9	1563.2	1677.0	1763.9	1699.6	1435.3	1317.0	1371.8	1401.8	1502.7
55°	1095.8	1143.8	1461.2	1628.2	1766.4	1813.2	1601.7	1468.1	1546.8	1580.7	1654.4
57.5°	954.7	978.9	1148.8	1543.7	1719.5	1859.0	1752.2	1611.9	1737.2	1779.3	1797.6
60°	794.3	826.1	963.5	1405.3	1655.7	1863.5	1885.1	1797.4	1943.6	1990.9	1928.9
62.5°	539.8	574.3	710.9	1167.5	1568.6	1861.3	1994.0	1988.4	2172.9	2223.8	2040.2
65°	334.4	356.1	446.1	953.4	1446.8	1863.7	2108.0	2220.3	2415.0	2466.6	2126.4
67.5°	264.3	274.2	321.2	732.0	1236.9	1811.0	2221.9	2438.4	2642.8	2683.7	2152.7
70°	177.5	183.6	233.7	490.7	920.2	1568.2	2219.7	2547.9	2760.1	2780.6	2056.8
72.5°	93.5	98.2	136.6	227.2	555.8	1114.7	1871.1	2416.9	2643.4	2612.6	1758.0
75°	46.8	54.6	92.0	115.4	237.4	621.7	1161.9	1905.6	2080.6	1961.3	1128.0
77.5°	35.5	42.9	76.0	76.0	82.6	209.3	492.1	1039.3	958.6	798.2	331.1
80°	22.6	29.2	66.5	57.5	34.5	53.2	128.2	291.2	203.7	154.9	60.2
82.5°	13.3	19.1	55.3	38.0	19.3	19.7	36.2	62.0	52.8	41.1	18.5
85°	5.3	12.5	38.0	15.0	7.6	4.9	10.9	13.3	10.9	8.2	4.7
87.5°	0.0	2.9	6.6	0.0	0.6	0.4	0.8	1.0	1.0	0.8	1.6
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°	481.4	481.4	481.4	481.4	481.4	481.4	481.4	481.4	481.4	481.4	481.4
2.5°	483.5	483.9	485.1	485.3	482.5	479.0	477.7	477.1	474.7	474.5	474.9
5°	489.4	491.1	489.4	484.3	472.2	455.2	442.4	431.9	422.3	419.4	417.6
7.5°	501.0	502.8	497.5	477.7	447.3	413.5	383.1	361.7	342.4	335.2	332.3
10°	517.8	520.1	503.6	463.4	409.6	355.5	304.0	267.8	239.5	228.0	223.1
12.5°	538.9	539.8	506.9	441.8	360.7	283.4	210.5	171.7	146.6	137.2	134.3
15°	562.0	560.7	507.3	412.4	294.1	200.3	137.4	112.8	102.7	99.6	99.6
17.5°	586.4	580.8	499.5	369.9	221.0	137.0	101.9	96.1	94.3	93.5	93.3
20°	610.4	597.7	485.3	314.3	158.6	102.3	92.6	90.8	89.8	89.5	89.1
22.5°	632.2	610.6	460.9	249.8	115.2	90.4	87.5	85.9	84.2	83.4	83.2
25°	653.4	618.0	426.6	189.6	92.2	84.6	82.2	79.3	77.0	76.0	75.6
27.5°	674.1	622.7	383.7	140.3	82.2	79.1	74.8	70.7	69.0	68.6	68.2
30°	696.1	624.2	335.0	104.7	76.2	72.3	66.1	61.4	60.4	60.6	60.6
32.5°	723.0	626.5	285.9	85.7	71.1	64.1	56.7	51.8	51.1	51.8	51.6
35°	755.2	631.2	238.5	78.9	66.6	55.7	47.7	43.7	42.9	43.5	43.3
37.5°	798.8	638.8	194.3	77.6	62.9	48.7	40.1	36.8	36.8	37.0	36.8
40°	856.9	659.1	154.7	76.6	61.0	43.5	33.9	32.5	33.1	33.5	33.5
42.5°	927.6	702.2	128.0	75.4	58.9	41.1	30.8	30.2	31.2	31.6	31.6
45°	1007.0	756.7	118.7	73.5	56.9	42.7	29.4	28.6	29.8	30.0	30.2
47.5°	1089.0	810.1	117.5	71.3	55.0	45.0	29.0	27.3	28.6	28.8	29.0
50°	1172.0	845.0	118.7	68.0	51.8	45.0	29.2	25.9	27.1	27.7	27.9
52.5°	1255.6	861.0	117.9	60.8	46.4	42.3	29.2	24.8	25.9	26.3	26.3
55°	1336.7	857.9	106.0	50.1	39.4	37.4	28.5	23.8	24.6	24.8	24.8
57.5°	1400.8	814.4	84.0	39.0	32.0	31.2	25.9	22.6	23.2	23.0	23.0
60°	1434.3	718.9	60.0	30.0	25.1	24.6	22.8	21.0	21.4	20.5	20.3
62.5°	1434.7	592.6	40.1	23.8	20.1	19.5	19.5	18.9	18.5	16.6	16.0
65°	1404.1	452.5	26.7	18.9	16.2	15.2	16.4	16.2	14.8	12.1	11.7
67.5°	1334.8	296.6	20.3	14.8	12.5	11.9	13.1	13.6	12.7	10.1	9.9
70°	1192.1	172.7	16.8	11.5	9.4	8.8	10.5	11.7	10.5	8.2	7.8
72.5°	990.2	93.2	13.6	8.6	6.4	5.8	8.4	9.5	8.4	6.0	5.8
75°	642.5	49.9	10.5	5.7	3.3	3.7	6.2	7.0	5.8	3.9	3.5
77.5°	215.7	22.0	6.6	2.7	1.6	1.6	3.7	4.3	2.7	1.4	1.2
80°	48.1	9.2	2.7	1.2	0.6	0.6	0.8	0.8	0.4	0.0	0.0
82.5°	15.8	3.7	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.0	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	0.2	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)