

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: P944837

Luminaire Tested: **GALN-SB1A-722-U-SL3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
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-SL3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2985 lumens
Efficiency: N/A
Efficacy: 96.6 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

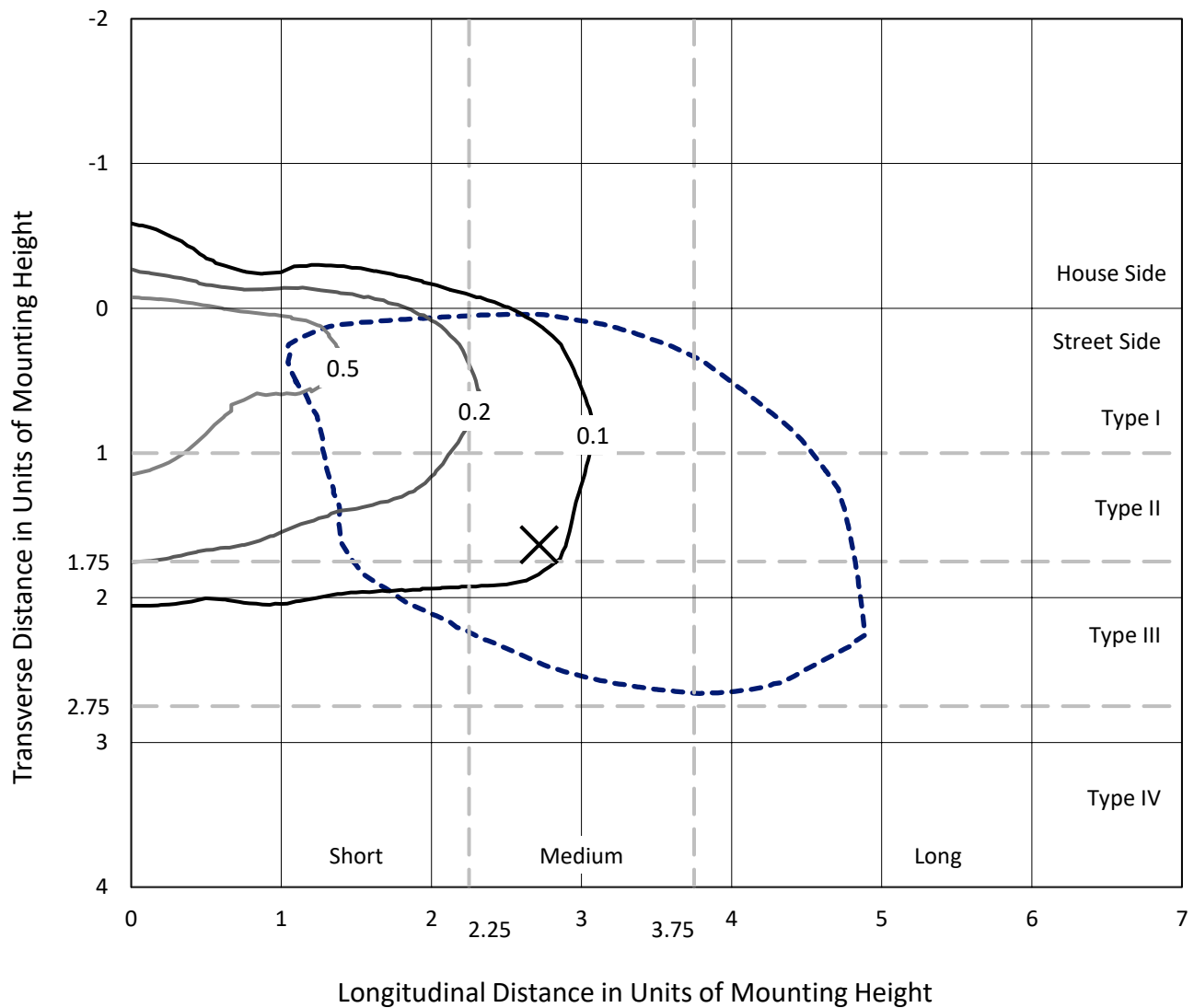


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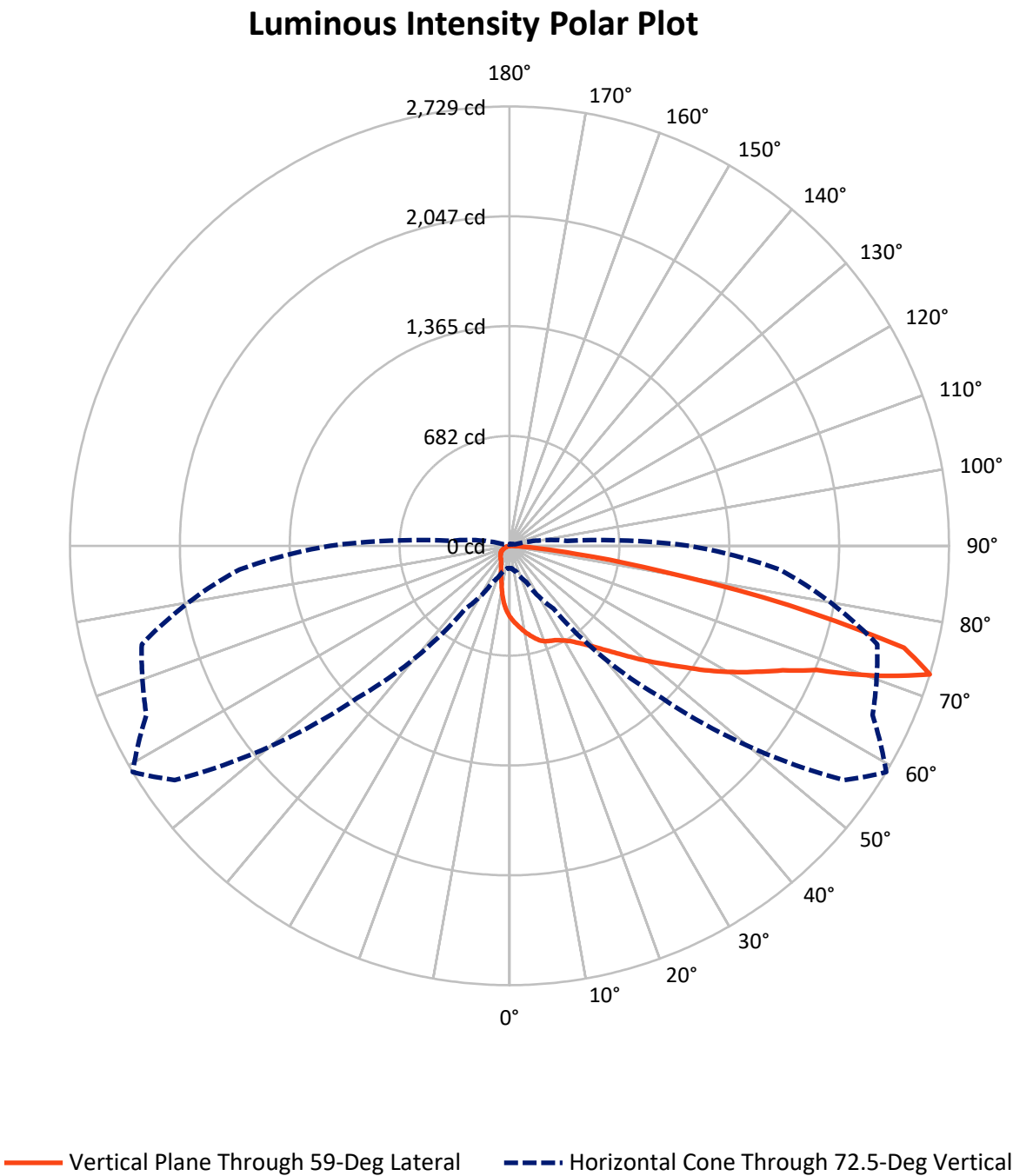
Iso-Footcandle Lines of Horizontal Illumination

✕ 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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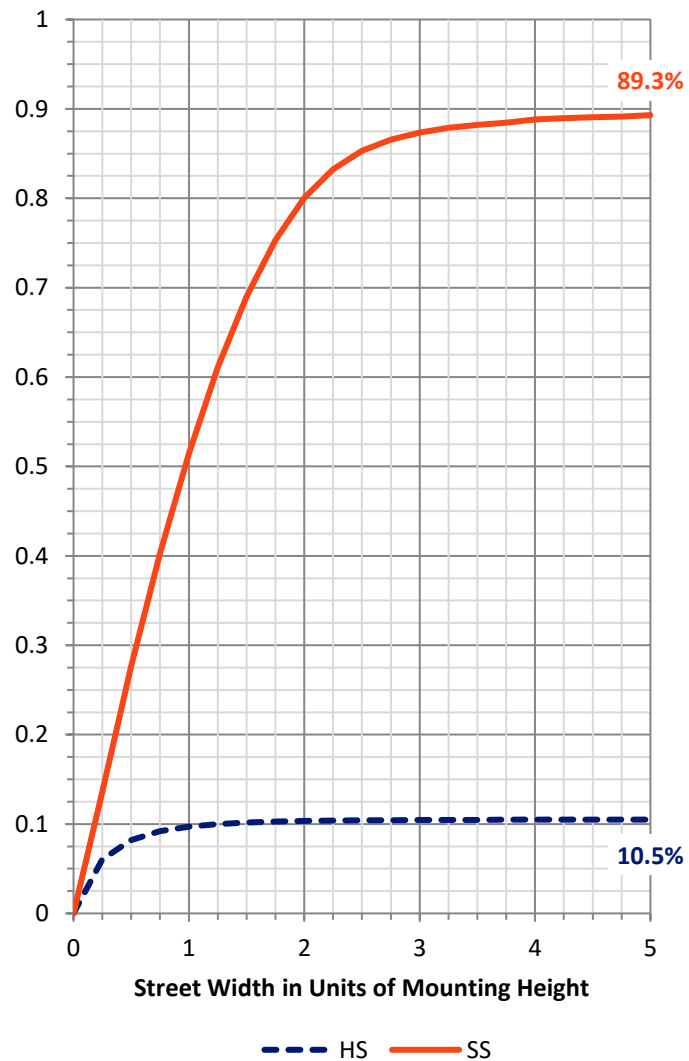
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	315.3	0.0	315.3
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	2669.7	0.0	2669.7
	% Fixture	89.4	0.0	89.4
Total	Lumens	2985.0	0.0	2985.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	1.3
10°-20°	106.1	3.6
20°-30°	168.1	5.6
30°-40°	269.8	9.0
40°-50°	430.9	14.4
50°-60°	623.9	20.9
60°-70°	740.4	24.8
70°-80°	549.7	18.4
80°-90°	56.2	1.9
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°	2985.0	100.0
0°-180°	2985.0	100.0

Coefficient of Utilization



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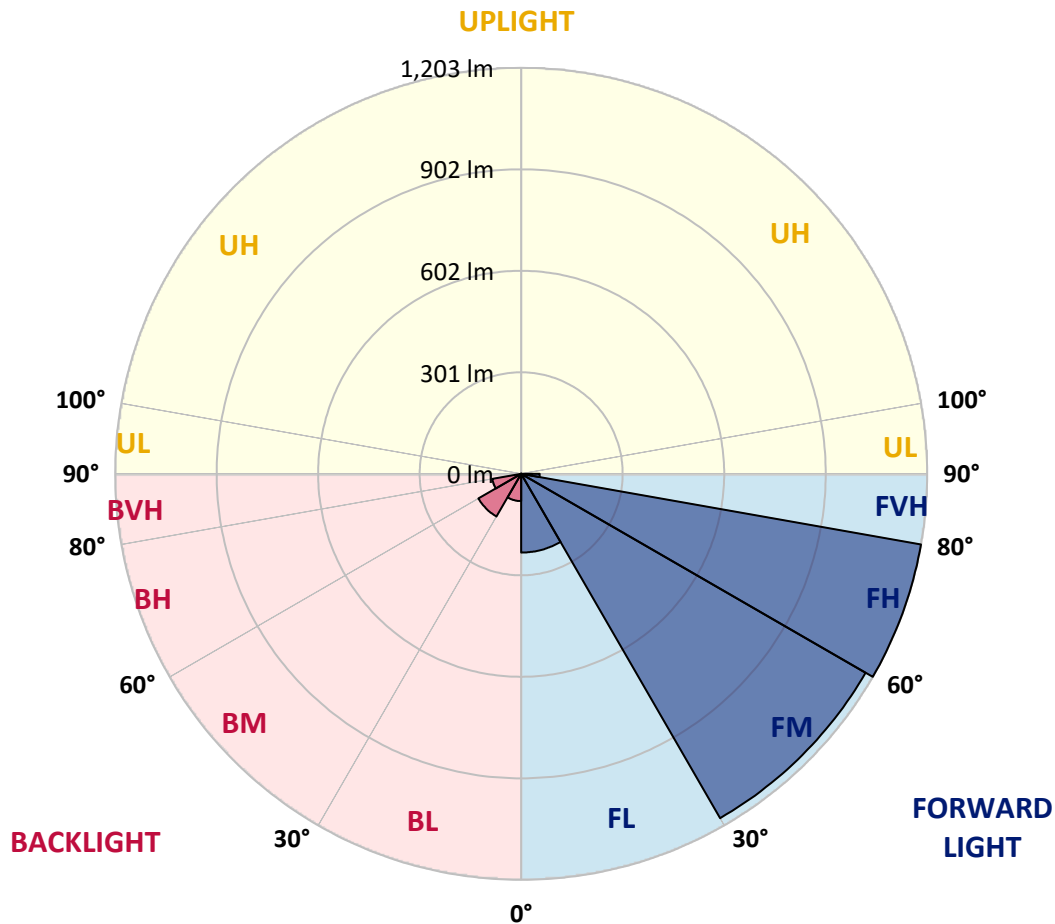
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.4	7.8			
FM	(30°-60°)	1178.4	39.5			
FH	(60°-80°)	1203.1	40.3			G1/1800
FVH	(80°-90°)	54.8	1.8			G1/100
BL	(0°-30°)	80.8	2.7	B0/110		
BM	(30°-60°)	146.2	4.9	B0/220		
BH	(60°-80°)	86.9	2.9	B0/110		G0/110
BVH	(80°-90°)	1.4	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°	59°	65°	75°	85°
0°	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4
2.5°	489.7	487.0	487.4	482.7	479.4	475.9	469.1	468.1	463.2	454.7	445.9
5°	532.4	530.7	529.1	523.8	517.0	508.5	497.0	492.9	483.9	469.1	451.9
7.5°	563.6	561.5	562.2	557.0	551.5	542.0	526.2	518.6	506.7	484.1	458.2
10°	569.6	568.5	573.5	575.5	575.5	569.4	554.1	546.5	529.1	500.3	464.6
12.5°	535.7	535.9	548.6	563.8	583.7	589.3	579.0	570.8	553.7	517.4	472.8
15°	496.2	496.4	508.6	528.1	560.7	593.2	601.4	596.1	578.4	535.9	482.3
17.5°	472.4	471.4	479.6	495.6	529.7	575.5	615.1	618.6	604.1	556.4	492.9
20°	469.1	467.3	471.6	479.6	504.0	553.3	616.6	633.2	630.6	579.6	504.9
22.5°	489.4	486.6	484.3	484.7	495.0	534.8	612.7	641.4	657.9	607.5	521.5
25°	529.5	525.2	517.6	507.9	505.7	530.9	610.0	650.3	683.3	643.1	543.3
27.5°	578.6	572.6	558.0	543.3	530.9	541.8	615.6	664.6	711.9	684.6	568.7
30°	632.6	625.2	610.6	582.9	563.0	566.1	629.1	683.3	748.5	731.6	600.4
32.5°	711.9	694.8	669.2	626.9	600.6	592.4	649.4	707.0	794.0	794.1	646.4
35°	779.9	770.4	744.6	692.0	638.0	627.3	676.0	740.6	856.9	877.0	710.7
37.5°	824.6	811.5	788.9	749.3	696.1	663.2	711.7	781.7	923.6	971.3	790.1
40°	874.4	861.6	831.6	794.3	763.6	724.8	756.7	829.0	996.6	1068.2	880.7
42.5°	934.7	917.9	882.4	842.3	810.1	805.8	815.6	888.1	1071.7	1173.4	975.0
45°	1005.4	989.6	948.9	898.2	870.0	862.4	889.6	956.9	1155.3	1288.8	1070.3
47.5°	1071.7	1053.3	1009.5	963.3	931.9	908.0	968.4	1038.1	1250.0	1409.4	1160.3
50°	1128.0	1109.3	1069.1	1019.8	998.6	967.2	1045.7	1128.8	1343.9	1532.0	1242.6
52.5°	1166.6	1150.0	1102.8	1069.3	1054.9	1039.1	1136.4	1224.8	1437.5	1644.2	1323.8
55°	1157.8	1143.0	1101.5	1099.1	1098.2	1114.7	1244.7	1333.8	1532.8	1750.4	1404.7
57.5°	1129.9	1113.2	1061.3	1097.0	1131.5	1182.2	1362.0	1462.6	1637.2	1850.6	1482.7
60°	1047.9	1042.0	1010.5	1092.9	1145.5	1248.2	1496.1	1592.0	1750.2	1938.7	1551.9
62.5°	874.2	879.3	879.1	1101.5	1170.9	1323.5	1617.9	1723.0	1860.7	2023.5	1613.4
65°	654.6	672.2	694.6	1024.3	1204.8	1457.7	1763.5	1865.0	1973.0	2122.1	1676.0
67.5°	439.9	453.9	469.1	840.3	1103.8	1598.8	2005.3	2059.7	2107.5	2231.4	1746.3
70°	251.8	256.3	277.5	524.8	850.9	1559.8	2399.2	2418.9	2308.0	2366.1	1797.6
72.5°	141.1	139.5	167.6	249.1	475.5	1335.7	2537.2	2729.1	2487.5	2363.9	1683.2
75°	94.3	94.5	115.4	157.1	185.3	935.0	2186.4	2530.6	2379.9	2096.2	1375.3
77.5°	64.3	66.5	84.8	121.4	85.7	456.2	1446.4	1772.7	1926.8	1618.7	949.5
80°	27.9	28.1	55.9	87.1	57.9	145.2	749.9	949.7	1208.5	908.9	376.1
82.5°	14.4	16.4	35.7	56.3	36.4	50.9	354.3	414.9	507.1	266.8	77.2
85°	5.1	6.0	22.0	27.7	18.3	18.1	123.4	125.7	107.4	40.1	21.2
87.5°	0.0	1.0	8.6	6.8	2.3	2.1	14.6	12.3	9.7	5.7	7.0
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°	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4	441.4
2.5°	441.8	436.5	428.0	417.4	405.2	398.5	389.0	383.1	377.9	378.1	382.4
5°	442.4	433.6	411.8	388.6	362.9	344.0	322.9	308.1	296.8	294.1	298.2
7.5°	444.1	429.3	393.7	355.1	312.2	280.4	251.4	233.1	222.8	220.0	222.8
10°	446.5	424.7	373.2	314.2	260.9	222.8	198.6	186.9	182.2	178.7	180.9
12.5°	448.4	419.8	347.5	271.9	215.3	185.5	167.2	157.5	153.4	150.8	152.2
15°	451.7	413.3	319.6	232.5	184.6	160.2	142.8	135.6	134.5	134.9	135.4
17.5°	455.1	407.1	288.4	201.7	161.9	138.0	127.5	126.3	127.8	129.4	130.0
20°	458.8	398.1	256.9	178.5	141.1	122.6	119.9	120.6	121.4	124.1	124.9
22.5°	464.2	386.8	229.2	158.8	123.8	115.2	113.8	114.4	115.0	117.7	118.5
25°	472.0	374.8	206.8	140.7	112.8	109.1	107.8	107.8	108.5	111.1	112.1
27.5°	480.2	357.6	188.6	123.9	106.4	102.5	100.2	100.2	101.1	104.1	105.2
30°	489.4	342.0	174.4	111.5	100.9	95.9	92.8	92.0	93.2	96.9	97.8
32.5°	505.9	331.9	164.3	105.6	96.1	89.8	85.6	83.4	84.6	88.9	90.0
35°	531.1	329.5	157.3	102.7	91.4	84.4	78.3	75.0	76.0	80.5	81.9
37.5°	560.5	334.4	150.4	98.8	86.9	79.1	71.1	66.8	68.4	72.5	73.7
40°	602.8	354.7	145.2	95.9	82.4	72.9	63.9	59.6	62.2	65.7	66.3
42.5°	653.8	390.7	143.8	93.2	77.0	66.3	57.3	54.2	56.1	59.4	60.0
45°	717.2	436.7	150.1	89.6	70.9	59.8	52.0	50.3	50.9	54.2	55.7
47.5°	785.2	483.9	167.2	86.5	65.7	54.6	47.9	46.4	46.0	49.1	51.1
50°	854.0	525.8	187.5	84.2	62.0	50.3	44.8	42.9	41.9	43.8	44.6
52.5°	922.0	559.1	200.7	80.3	58.3	46.0	42.1	39.2	37.4	38.4	39.2
55°	991.0	588.4	201.5	74.4	54.8	43.3	39.4	36.1	33.9	33.9	34.3
57.5°	1055.5	614.1	190.0	66.7	49.9	40.7	35.7	32.9	30.6	29.8	30.0
60°	1112.6	633.2	170.9	57.9	45.6	37.4	32.0	29.8	26.9	25.3	24.9
62.5°	1163.5	642.5	144.8	48.9	40.3	33.5	28.5	26.1	22.2	20.3	20.1
65°	1206.5	633.0	117.5	40.5	35.9	29.2	24.4	22.0	17.7	15.4	15.4
67.5°	1249.2	589.3	88.9	34.1	31.2	24.6	20.1	17.9	14.8	12.9	12.9
70°	1254.7	497.5	62.2	28.6	25.9	18.9	16.2	14.8	12.1	10.3	10.1
72.5°	1116.9	358.0	37.8	23.4	20.3	13.4	12.9	11.7	9.0	7.8	7.6
75°	892.8	219.4	22.2	17.5	13.4	9.5	9.5	8.4	6.0	5.1	5.1
77.5°	617.0	114.8	13.1	11.3	8.0	5.7	6.2	5.1	2.9	2.3	2.3
80°	247.1	43.7	7.0	5.3	3.7	2.5	2.1	1.2	0.6	0.4	0.6
82.5°	49.3	11.5	2.3	1.4	1.4	0.6	0.0	0.0	0.0	0.0	0.0
85°	12.7	2.5	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	0.0	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)