

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: P944836

Luminaire Tested: **GALN-SB1A-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
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-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3684 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - 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



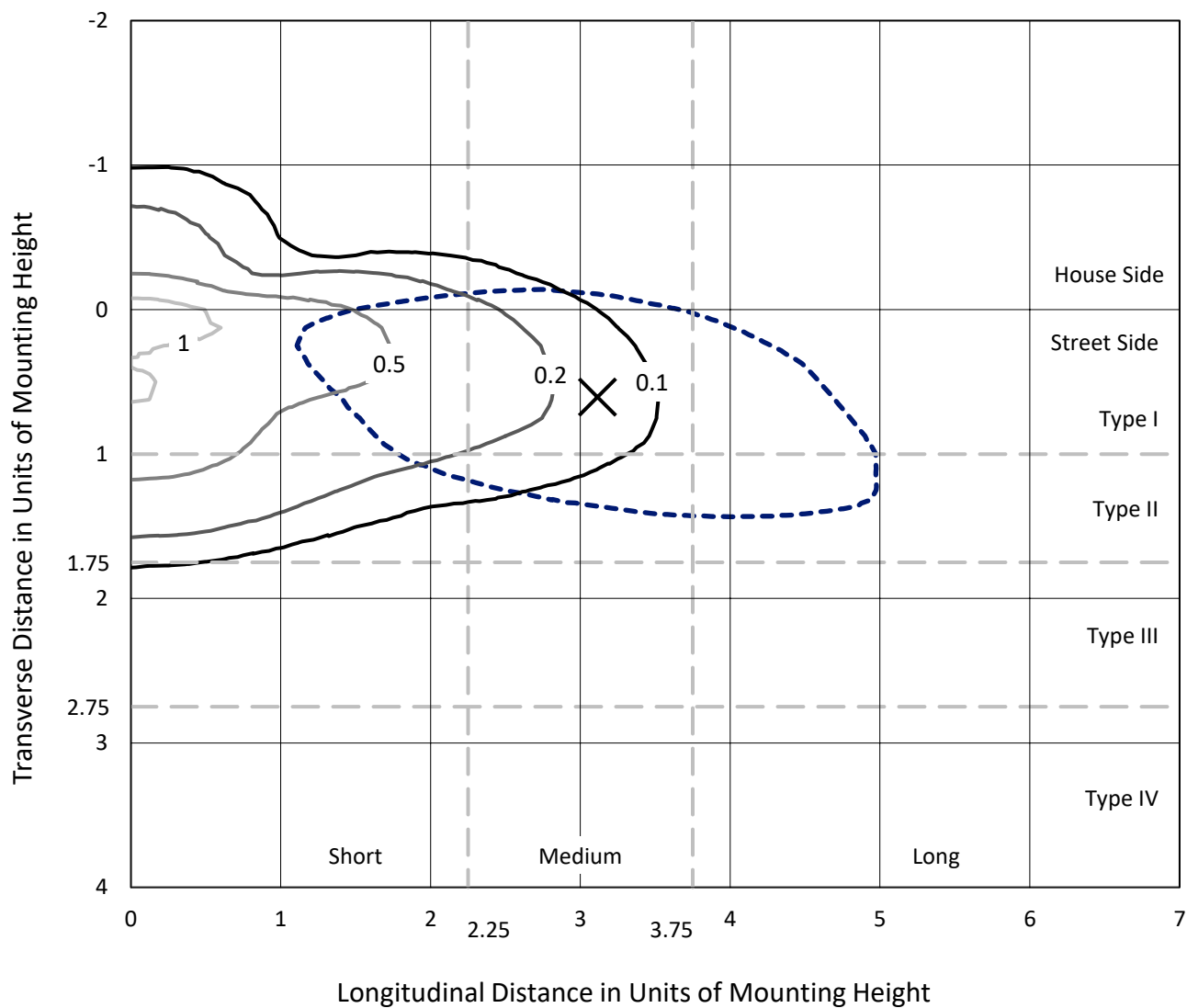
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

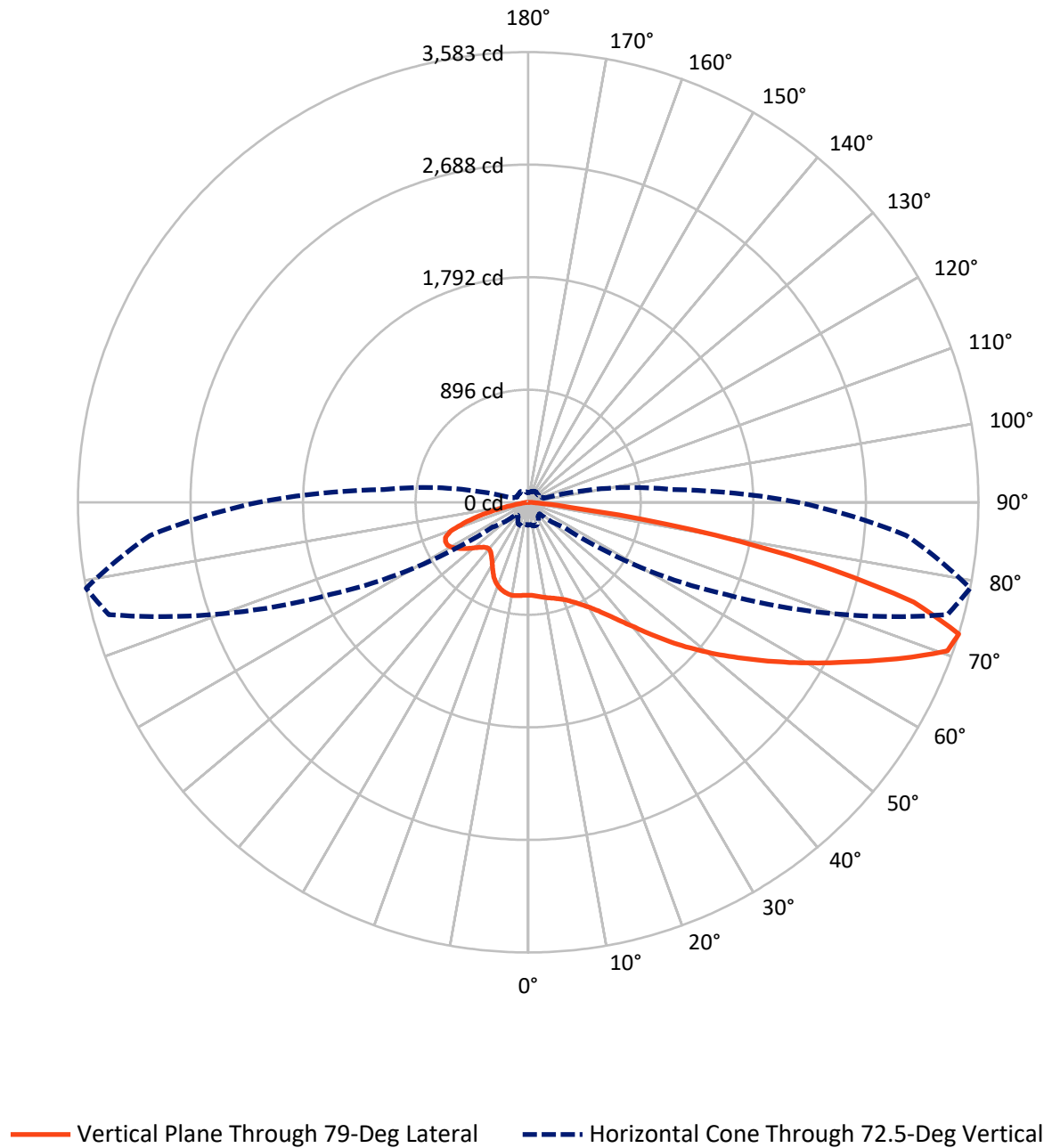
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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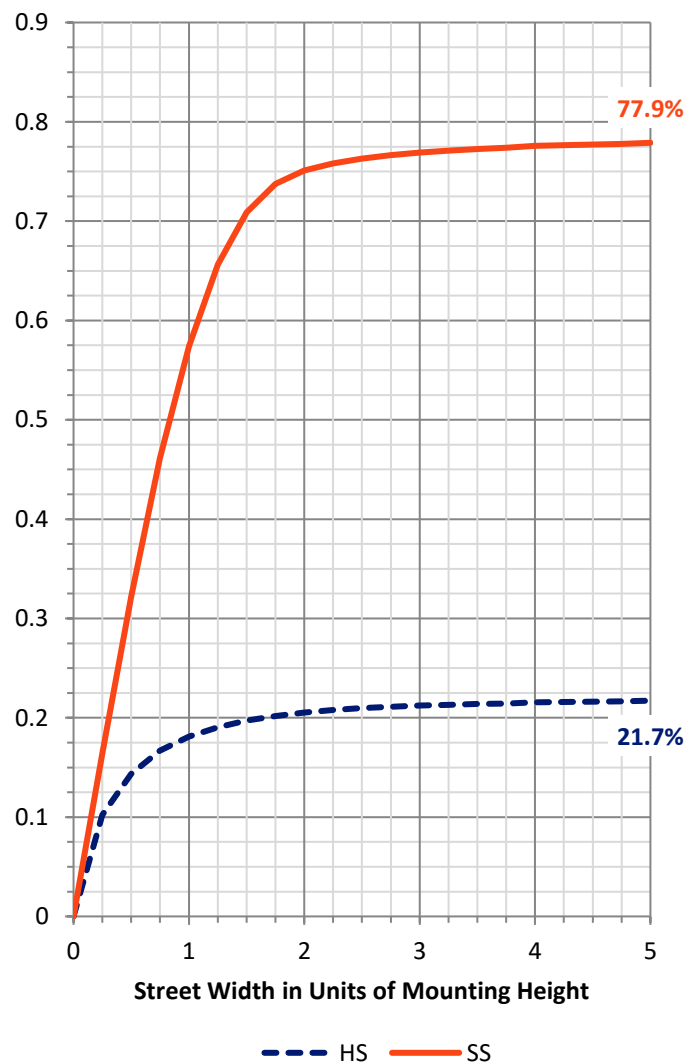
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	810.7	0.0	810.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2873.3	0.0	2873.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	3684.0	0.0	3684.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	1.8
10°-20°	175.5	4.8
20°-30°	283.2	7.7
30°-40°	425.0	11.5
40°-50°	602.9	16.4
50°-60°	761.4	20.7
60°-70°	773.3	21.0
70°-80°	527.1	14.3
80°-90°	68.4	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°	3684.0	100.0
0°-180°	3684.0	100.0

Coefficient of Utilization



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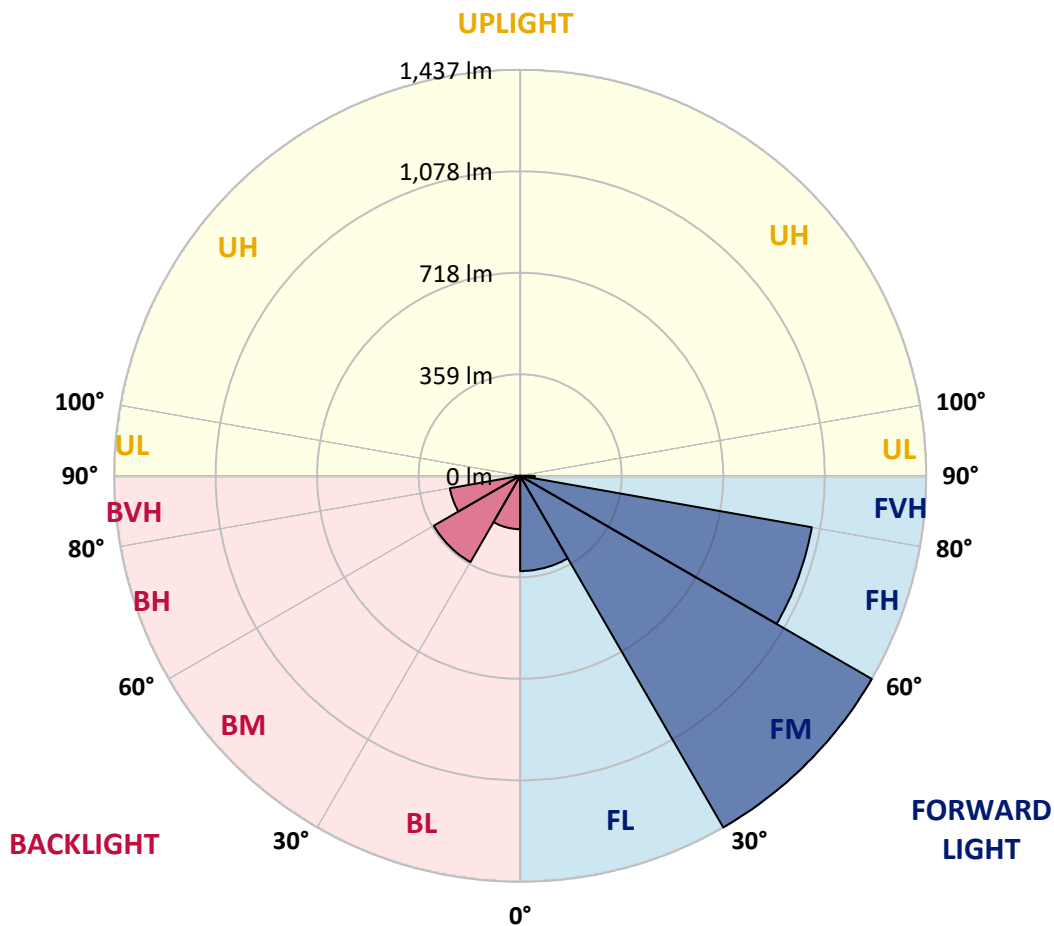
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	337.0	9.1			
FM	(30°-60°)	1436.8	39.0			
FH	(60°-80°)	1048.0	28.4			G1/1800
FVH	(80°-90°)	51.5	1.4			G1/100
BL	(0°-30°)	188.8	5.1	B1/500		
BM	(30°-60°)	352.6	9.6	B1/1000		
BH	(60°-80°)	252.4	6.9	B1/500		G1/500
BVH	(80°-90°)	16.9	0.5			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5
2.5°	739.9	736.4	738.6	737.8	738.7	739.9	740.3	740.9	742.8	742.6	742.5
5°	738.4	734.9	737.8	736.8	739.3	742.1	744.4	746.5	749.7	751.0	749.1
7.5°	735.0	732.7	735.6	738.6	743.2	747.3	750.6	755.5	760.0	760.8	762.1
10°	715.8	714.0	720.8	728.4	741.3	752.4	759.6	765.3	770.1	770.9	772.9
12.5°	695.7	693.5	701.1	711.5	732.3	752.4	767.6	775.0	779.3	781.8	784.7
15°	692.4	690.6	694.9	703.9	721.2	747.1	773.0	786.7	790.4	793.3	794.5
17.5°	708.3	705.0	706.8	709.9	720.0	742.3	777.3	799.9	805.6	808.7	808.7
20°	745.4	740.7	738.0	731.7	730.0	743.0	776.9	815.9	823.3	827.2	828.2
22.5°	794.7	791.6	785.7	769.9	752.8	752.6	784.3	836.4	850.2	853.9	851.6
25°	854.3	849.6	842.2	820.8	787.9	771.5	796.8	862.5	885.7	886.7	879.8
27.5°	922.9	915.9	905.8	877.5	833.1	801.1	815.9	892.5	926.4	926.0	912.0
30°	995.2	988.2	977.5	943.2	887.2	841.1	842.4	924.8	974.7	972.6	948.6
32.5°	1048.0	1042.7	1040.6	1014.1	949.6	888.2	872.8	960.7	1034.4	1032.4	998.9
35°	1088.5	1081.7	1084.3	1070.8	1017.6	941.0	910.0	1003.4	1106.9	1106.7	1065.0
37.5°	1128.7	1122.6	1124.8	1115.8	1080.5	1008.1	955.4	1055.6	1196.7	1201.0	1144.9
40°	1165.3	1158.9	1167.5	1159.1	1129.5	1079.4	1007.1	1114.7	1300.8	1308.9	1241.5
42.5°	1187.3	1182.3	1196.5	1196.7	1171.9	1139.6	1063.8	1179.7	1421.2	1439.5	1360.4
45°	1194.9	1193.2	1214.6	1219.1	1209.6	1174.5	1114.8	1250.7	1551.0	1583.7	1495.8
47.5°	1186.8	1183.4	1213.1	1229.6	1237.2	1190.8	1157.1	1327.4	1683.5	1731.4	1643.5
50°	1145.4	1139.0	1183.0	1217.9	1245.0	1201.6	1199.8	1416.1	1834.1	1886.5	1792.0
52.5°	1071.2	1066.3	1116.4	1177.0	1227.9	1206.8	1247.7	1513.0	1977.1	2045.0	1944.2
55°	976.3	969.9	1025.0	1104.1	1185.2	1205.1	1295.7	1621.3	2145.9	2214.7	2101.5
57.5°	825.9	813.0	882.8	976.3	1115.6	1202.9	1345.6	1729.1	2317.4	2399.8	2269.2
60°	606.4	587.3	672.9	783.8	979.6	1182.1	1407.3	1849.9	2523.2	2597.4	2452.4
62.5°	353.1	342.0	397.9	501.4	738.4	1059.3	1442.0	1990.4	2725.4	2803.4	2632.5
65°	274.2	271.1	275.9	283.9	411.0	793.1	1335.0	2127.4	2982.7	3037.2	2820.1
67.5°	250.8	248.5	250.6	235.6	208.5	441.8	1056.2	2162.1	3258.2	3291.3	2984.4
70°	222.9	220.2	227.2	214.4	164.1	200.9	682.4	2036.2	3477.4	3539.6	3109.3
72.5°	181.6	178.5	194.9	189.0	138.2	129.0	342.8	1737.1	3454.4	3583.4	3019.9
75°	139.5	137.8	157.3	162.1	112.6	101.5	164.5	1291.2	3040.0	3169.9	2602.7
77.5°	108.3	107.0	116.9	134.7	90.8	78.7	101.1	819.0	2290.9	2313.7	1793.6
80°	81.3	77.4	86.5	104.3	70.7	57.5	68.6	477.6	1448.1	1312.6	780.6
82.5°	50.9	48.9	56.5	69.6	49.9	39.6	44.6	263.9	580.3	341.8	150.6
85°	29.0	28.3	30.8	39.8	27.1	22.8	25.5	116.5	106.0	72.9	45.4
87.5°	11.7	11.3	14.0	17.7	9.9	8.4	9.0	28.1	23.4	21.6	15.0
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°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5
2.5°	741.7	741.7	738.9	734.7	729.8	726.7	721.6	720.2	715.0	713.4	715.9
5°	750.6	749.1	740.7	728.6	712.1	696.9	680.1	669.6	654.8	649.5	653.4
7.5°	761.9	757.7	743.2	716.7	682.0	647.9	612.5	585.6	559.9	550.7	551.9
10°	772.3	766.2	741.7	695.3	635.3	576.2	519.7	480.2	450.1	437.9	440.6
12.5°	782.6	771.5	731.3	659.6	568.8	488.7	428.5	397.7	379.2	364.4	369.3
15°	792.3	776.7	715.4	611.9	495.9	414.7	370.3	345.7	330.9	321.1	322.9
17.5°	803.6	781.2	691.4	551.3	426.6	363.4	327.2	312.4	309.5	308.3	309.1
20°	819.4	785.3	659.8	483.5	375.5	322.5	303.8	302.4	302.2	301.7	303.6
22.5°	836.4	790.2	618.1	421.9	332.1	297.0	293.7	290.9	289.2	289.0	291.1
25°	856.4	791.8	565.9	371.4	295.0	284.9	281.0	276.9	275.7	275.7	276.9
27.5°	875.9	786.5	505.1	327.6	274.2	273.8	268.7	267.4	267.2	267.8	269.3
30°	895.4	776.6	444.7	287.0	262.1	262.1	260.3	261.3	262.1	264.0	265.4
32.5°	921.7	766.0	394.2	257.0	251.6	249.6	251.4	253.3	254.1	256.6	258.8
35°	960.3	758.6	354.1	240.7	240.7	238.1	239.1	238.7	237.0	235.8	238.5
37.5°	1011.4	758.2	320.9	233.1	231.5	231.1	231.3	228.8	222.0	213.8	214.0
40°	1072.8	768.8	295.4	227.8	226.6	229.0	227.8	221.0	202.3	188.0	187.7
42.5°	1155.2	798.8	279.1	221.4	224.9	227.8	223.1	199.5	186.9	177.3	176.9
45°	1252.2	847.5	270.7	214.6	221.6	225.1	202.5	192.1	182.0	170.5	169.7
47.5°	1362.1	908.9	268.7	208.1	214.2	216.3	193.7	189.0	177.5	165.1	164.1
50°	1481.8	981.6	274.0	200.5	203.4	196.0	190.8	186.5	174.6	162.3	161.0
52.5°	1605.5	1061.6	284.5	190.2	192.7	184.5	189.6	185.9	172.8	156.3	155.1
55°	1727.1	1142.3	294.6	178.1	181.8	174.2	186.3	183.6	164.9	146.2	145.2
57.5°	1850.7	1222.6	304.6	167.4	171.3	164.3	181.0	177.3	155.9	136.8	136.4
60°	1979.1	1300.6	309.3	157.1	159.8	155.1	173.0	166.6	145.8	127.2	126.7
62.5°	2099.3	1365.4	301.7	146.7	148.5	146.5	162.5	153.9	135.6	116.5	116.3
65°	2219.9	1404.0	278.3	136.6	137.0	136.0	147.7	140.3	123.7	107.2	106.0
67.5°	2329.3	1425.7	241.1	125.7	124.7	124.3	133.9	125.5	112.2	97.8	96.7
70°	2352.5	1370.7	184.2	112.8	112.8	111.9	118.7	110.1	99.6	87.9	87.5
72.5°	2148.6	1153.0	130.8	98.2	99.8	97.8	103.5	96.3	86.7	78.9	76.6
75°	1732.6	845.5	95.1	83.2	85.9	82.6	87.9	82.8	74.6	74.4	67.0
77.5°	1190.5	522.8	69.0	68.6	70.5	66.3	72.3	69.6	62.2	58.9	55.1
80°	508.0	208.5	50.3	53.0	53.0	49.1	56.1	56.9	50.5	48.9	48.9
82.5°	101.1	59.2	35.3	36.4	34.3	33.1	39.8	44.0	60.8	67.6	67.8
85°	30.4	21.8	21.2	19.9	17.5	17.7	23.4	44.2	54.6	31.2	26.9
87.5°	8.4	5.5	5.7	4.5	3.7	4.9	8.0	33.5	18.3	7.8	6.6
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)