

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: P946632

Luminaire Tested: **GALN-SB2B-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946632
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-SB2B-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7745 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 73.9
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

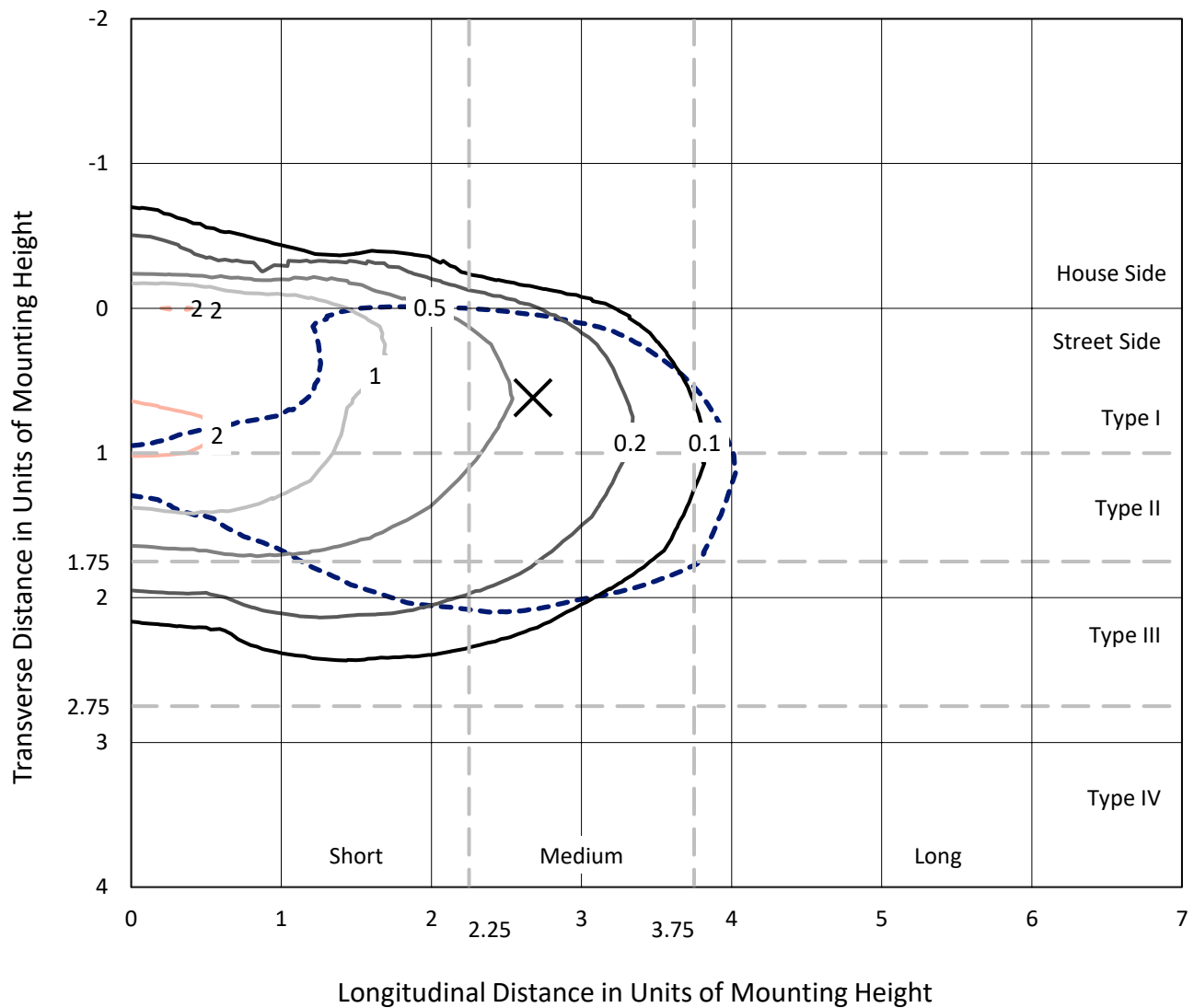


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Iso-Footcandle Lines of Horizontal Illumination

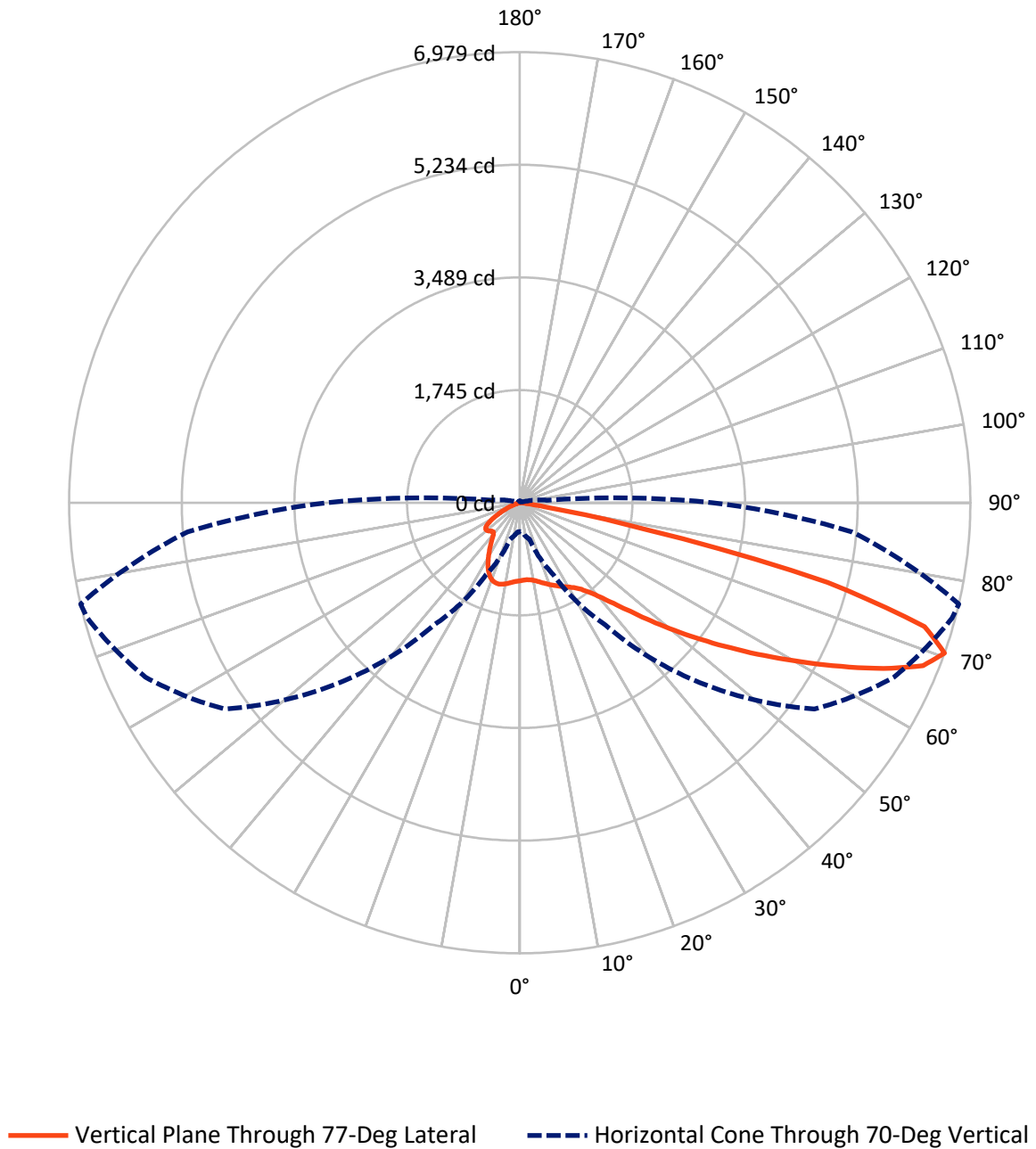
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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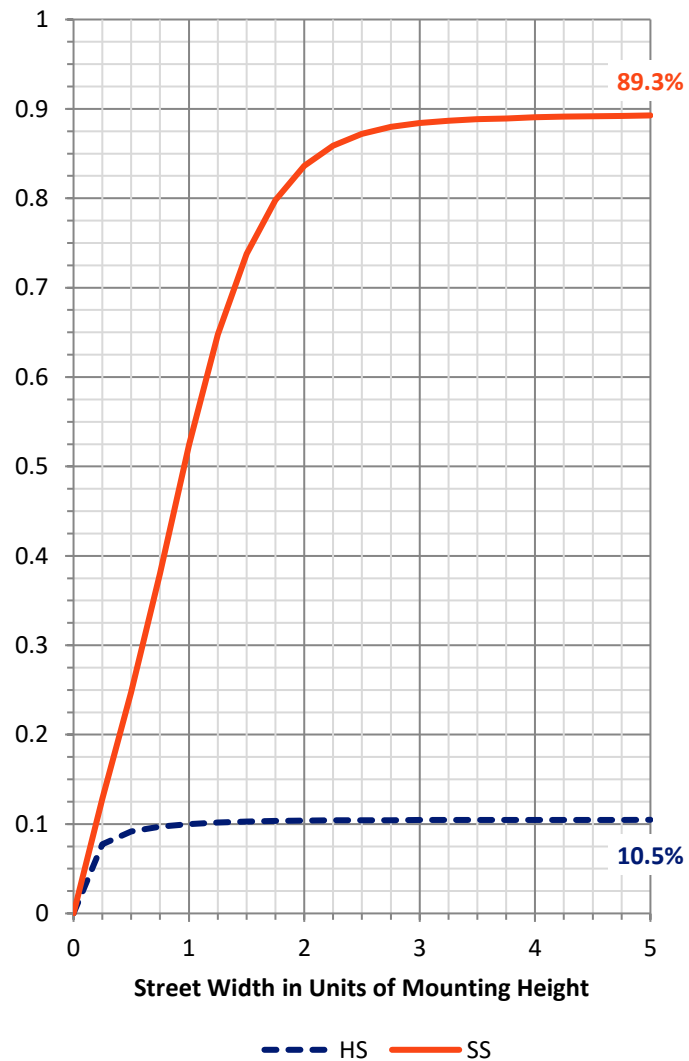
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	816.4	0.0	816.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6928.6	0.0	6928.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	7745.0	0.0	7745.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	1.3
10°-20°	247.2	3.2
20°-30°	382.3	4.9
30°-40°	693.7	9.0
40°-50°	1309.4	16.9
50°-60°	1892.0	24.4
60°-70°	2014.0	26.0
70°-80°	1067.3	13.8
80°-90°	35.0	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°	7745.0	100.0
0°-180°	7745.0	100.0

Coefficient of Utilization



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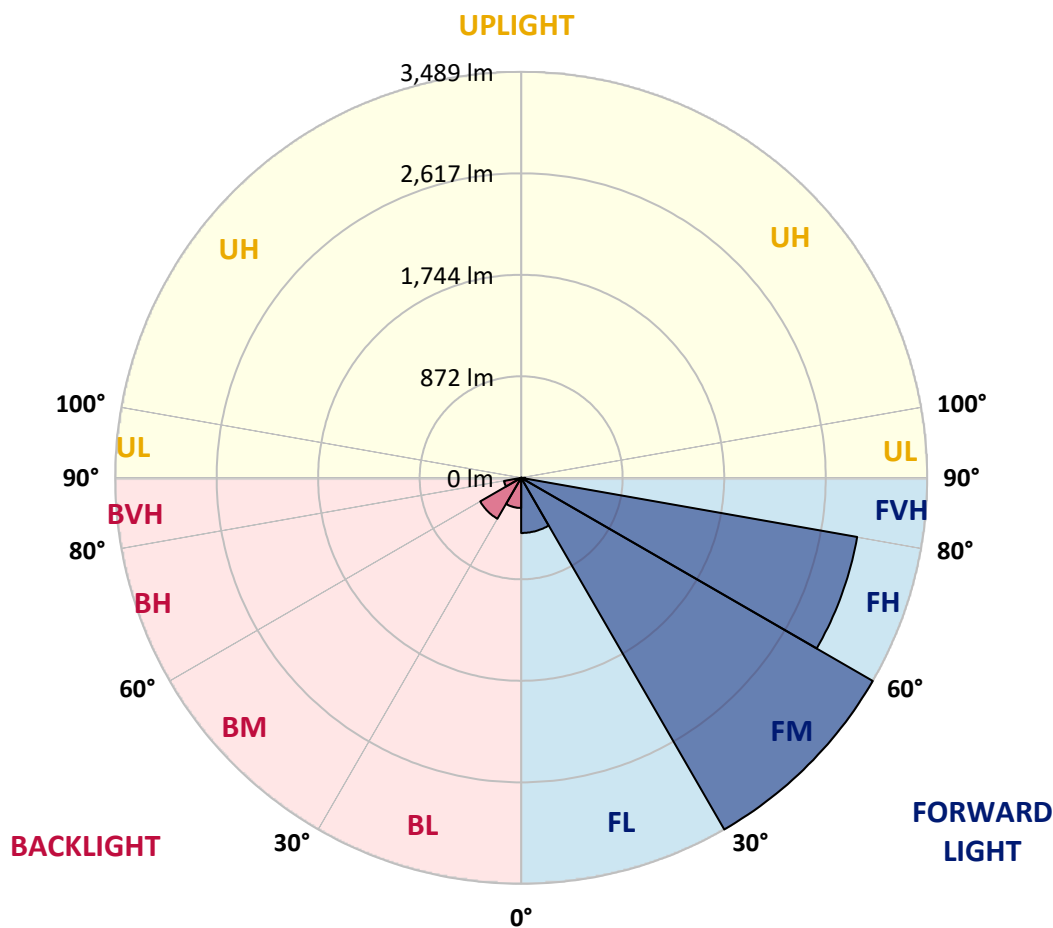
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	474.2	6.1			
FM	(30°-60°)	3488.7	45.0			
FH	(60°-80°)	2931.6	37.9			G2/5000
FVH	(80°-90°)	34.1	0.4			G1/100
BL	(0°-30°)	259.4	3.3	B1/500		
BM	(30°-60°)	406.4	5.2	B1/1000		
BH	(60°-80°)	149.7	1.9	B1/500		G1/500
BVH	(80°-90°)	0.9	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1
2.5°	1134.2	1144.5	1143.0	1149.9	1152.3	1162.1	1171.9	1185.1	1199.8	1199.3	1209.1
5°	1070.2	1080.4	1082.9	1092.2	1103.9	1119.1	1139.1	1165.5	1192.9	1197.3	1216.9
7.5°	994.3	1005.1	1011.5	1030.0	1051.6	1082.9	1115.6	1154.3	1199.8	1206.1	1243.8
10°	918.5	928.3	936.6	963.0	997.3	1043.7	1097.1	1152.8	1213.9	1223.2	1276.6
12.5°	871.6	880.9	890.2	913.2	955.7	1012.4	1084.8	1159.7	1237.4	1250.6	1321.1
15°	854.9	863.3	870.6	891.1	930.8	995.3	1082.4	1173.8	1267.3	1284.9	1374.9
17.5°	857.4	861.8	866.7	882.3	921.0	987.5	1086.8	1198.3	1302.5	1318.1	1428.7
20°	871.6	874.0	874.5	885.3	919.5	986.5	1095.6	1221.8	1335.7	1356.8	1482.0
22.5°	889.7	890.7	889.7	897.0	928.8	993.9	1107.3	1250.1	1372.9	1392.5	1535.8
25°	974.3	955.7	932.2	918.0	944.5	1008.0	1124.9	1288.3	1413.5	1432.6	1588.1
27.5°	1236.9	1183.6	1099.5	1005.1	976.7	1028.6	1149.4	1326.9	1454.6	1471.7	1644.4
30°	1663.4	1593.5	1450.7	1237.9	1080.4	1071.6	1181.2	1365.6	1498.1	1516.7	1704.5
32.5°	2090.9	2073.8	1909.0	1614.5	1313.7	1167.5	1234.0	1417.9	1555.8	1570.5	1785.7
35°	2523.3	2488.5	2353.6	2062.5	1673.2	1362.6	1322.0	1486.4	1631.6	1648.3	1904.1
37.5°	2854.4	2833.4	2749.7	2510.1	2099.7	1663.9	1472.7	1592.5	1741.7	1760.3	2055.7
40°	3146.9	3137.1	3108.7	2950.7	2576.6	2058.1	1707.0	1756.9	1894.3	1916.3	2241.6
42.5°	3376.8	3399.7	3415.9	3371.9	3068.1	2508.1	2021.9	1987.7	2107.0	2129.5	2478.3
45°	3612.0	3619.8	3684.9	3748.5	3556.3	2978.6	2377.0	2258.2	2371.7	2399.5	2762.0
47.5°	3763.1	3794.4	3908.9	4020.9	3966.6	3445.2	2758.5	2577.6	2678.3	2730.7	3079.9
50°	3774.4	3833.6	3991.1	4186.2	4265.5	3889.3	3173.3	2941.5	3048.6	3106.3	3419.3
52.5°	3587.1	3679.0	3923.1	4208.7	4426.9	4265.5	3602.2	3305.3	3442.8	3518.1	3771.5
55°	2750.2	2870.5	3667.3	4086.4	4433.2	4550.6	4019.9	3684.4	3882.0	3967.1	4152.0
57.5°	2396.1	2456.8	2883.3	3874.2	4315.3	4665.5	4397.5	4045.4	4359.8	4465.5	4511.5
60°	1993.6	2073.3	2418.1	3526.9	4155.4	4676.8	4731.1	4511.0	4877.8	4996.7	4841.1
62.5°	1354.8	1441.4	1784.2	2930.2	3936.8	4671.4	5004.5	4990.3	5453.5	5581.1	5120.4
65°	839.3	893.6	1119.6	2392.7	3631.1	4677.3	5290.6	5572.3	6060.9	6190.6	5336.6
67.5°	663.2	688.2	806.0	1837.1	3104.3	4545.2	5576.2	6119.6	6632.7	6735.4	5402.6
70°	445.6	460.7	586.4	1231.6	2309.5	3935.8	5570.9	6394.5	6927.1	6978.5	5162.0
72.5°	234.8	246.5	342.9	570.3	1394.9	2797.7	4695.9	6065.8	6634.2	6556.9	4412.2
75°	117.4	136.9	230.9	289.5	595.7	1560.2	2916.0	4782.4	5221.6	4922.3	2830.9
77.5°	89.0	107.6	190.7	190.7	207.4	525.3	1235.0	2608.4	2405.9	2003.4	831.0
80°	56.7	73.4	166.8	144.3	86.6	133.5	321.8	730.7	511.1	388.8	151.1
82.5°	33.3	47.9	138.9	95.4	48.4	49.4	91.0	155.5	132.5	103.2	46.5
85°	13.2	31.3	95.4	37.7	19.1	12.2	27.4	33.3	27.4	20.5	11.7
87.5°	0.0	7.3	16.6	0.0	1.5	1.0	2.0	2.4	2.4	2.0	3.9
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°	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1
2.5°	1213.5	1214.4	1217.4	1217.9	1211.0	1202.2	1198.8	1197.3	1191.5	1191.0	1191.9
5°	1228.1	1232.5	1228.1	1215.4	1185.1	1142.5	1110.3	1083.8	1059.9	1052.5	1048.1
7.5°	1257.5	1261.9	1248.7	1198.8	1122.5	1037.9	961.6	907.8	859.4	841.3	833.9
10°	1299.5	1305.4	1263.8	1163.1	1028.1	892.1	763.0	672.0	601.1	572.2	560.0
12.5°	1352.4	1354.8	1272.2	1108.8	905.3	711.2	528.2	430.9	367.8	344.3	337.0
15°	1410.6	1407.1	1273.1	1034.9	738.1	502.8	344.8	283.2	257.8	249.9	249.9
17.5°	1471.7	1457.5	1253.6	928.3	554.6	343.8	255.8	241.1	236.7	234.8	234.3
20°	1531.9	1500.1	1217.9	788.9	398.1	256.8	232.3	227.9	225.5	224.5	223.5
22.5°	1586.6	1532.4	1156.7	627.0	289.1	226.9	219.6	215.7	211.3	209.3	208.8
25°	1640.0	1550.9	1070.6	475.9	231.3	212.3	206.4	199.1	193.2	190.7	189.8
27.5°	1691.8	1562.7	963.0	352.2	206.4	198.6	187.8	177.5	173.1	172.2	171.2
30°	1747.1	1566.6	840.8	262.6	191.2	181.5	165.8	154.1	151.6	152.1	152.1
32.5°	1814.6	1572.5	717.5	215.2	178.5	160.9	142.3	130.1	128.1	130.1	129.6
35°	1895.3	1584.2	598.7	198.1	167.3	139.9	119.8	109.6	107.6	109.1	108.6
37.5°	2004.8	1603.3	487.6	194.7	158.0	122.3	100.8	92.4	92.4	92.9	92.4
40°	2150.6	1654.1	388.3	192.2	153.1	109.1	85.1	81.7	83.1	84.1	84.1
42.5°	2328.1	1762.2	321.3	189.3	147.7	103.2	77.3	75.8	78.3	79.2	79.2
45°	2527.2	1899.2	297.9	184.4	142.8	107.1	73.9	71.9	74.8	75.3	75.8
47.5°	2733.1	2033.2	294.9	179.0	137.9	113.0	72.9	68.5	71.9	72.4	72.9
50°	2941.5	2120.7	297.9	170.7	130.1	113.0	73.4	65.1	68.0	69.5	69.9
52.5°	3151.3	2160.8	295.9	152.6	116.4	106.1	73.4	62.1	65.1	66.0	66.0
55°	3354.7	2153.0	266.1	125.7	98.8	93.9	71.4	59.7	61.6	62.1	62.1
57.5°	3515.7	2044.0	210.8	97.8	80.2	78.3	65.1	56.7	58.2	57.7	57.7
60°	3599.8	1804.3	150.6	75.3	63.1	61.6	57.2	52.8	53.8	51.4	50.9
62.5°	3600.8	1487.4	100.8	59.7	50.4	48.9	48.9	47.4	46.5	41.6	40.1
65°	3524.0	1135.7	67.0	47.4	40.6	38.1	41.1	40.6	37.2	30.3	29.3
67.5°	3349.9	744.4	50.9	37.2	31.3	29.8	32.8	34.2	31.8	25.4	24.9
70°	2991.8	433.3	42.1	28.9	23.5	22.0	26.4	29.3	26.4	20.5	19.6
72.5°	2485.1	233.8	34.2	21.5	16.1	14.7	21.0	24.0	21.0	15.2	14.7
75°	1612.6	125.2	26.4	14.2	8.3	9.3	15.7	17.6	14.7	9.8	8.8
77.5°	541.4	55.3	16.6	6.8	3.9	3.9	9.3	10.8	6.8	3.4	2.9
80°	120.8	23.0	6.8	2.9	1.5	1.5	2.0	2.0	1.0	0.0	0.0
82.5°	39.6	9.3	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.2	3.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	0.5	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)