

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: P939568

Luminaire Tested: **GALN-SB2B-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
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-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7043 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
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

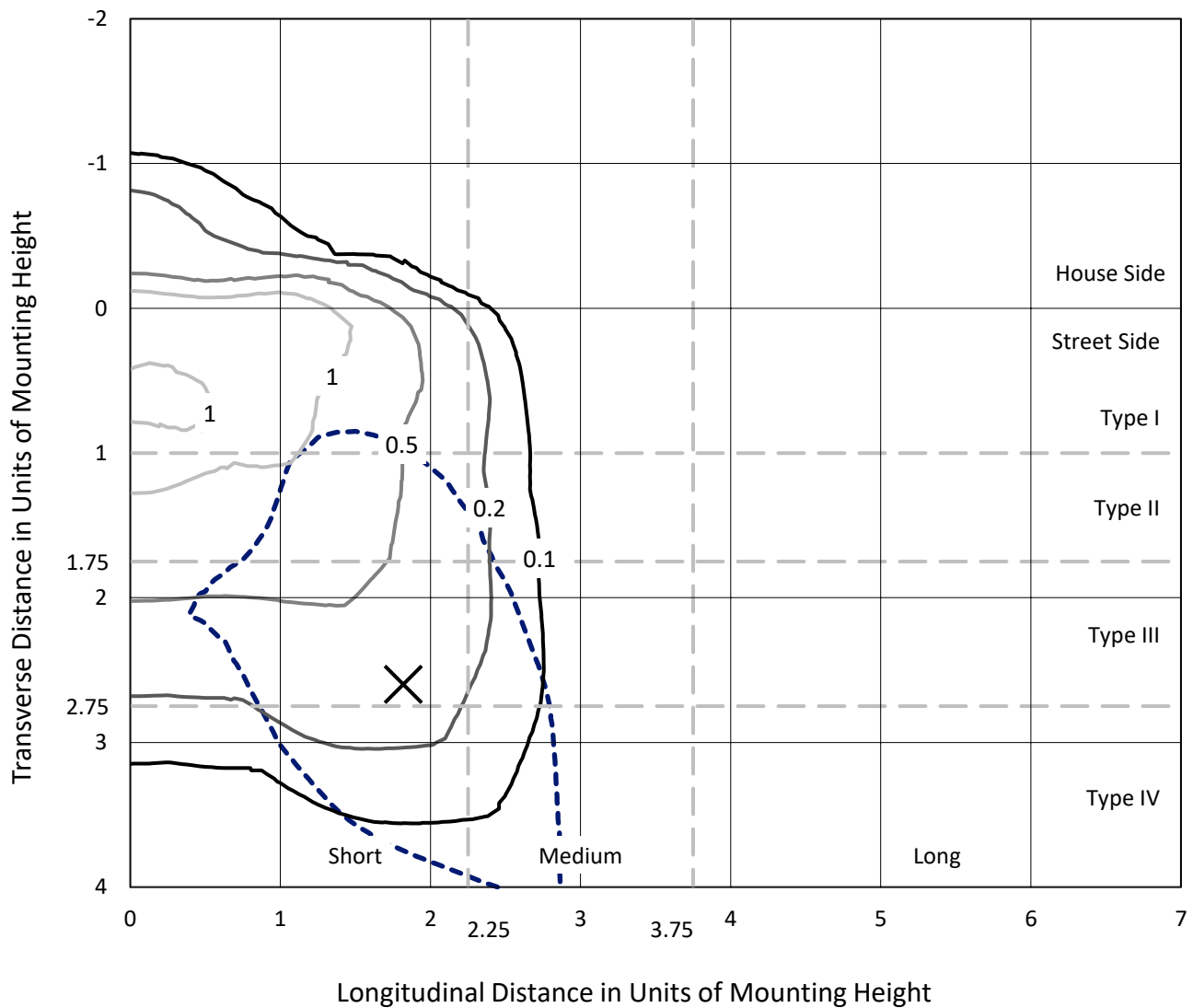


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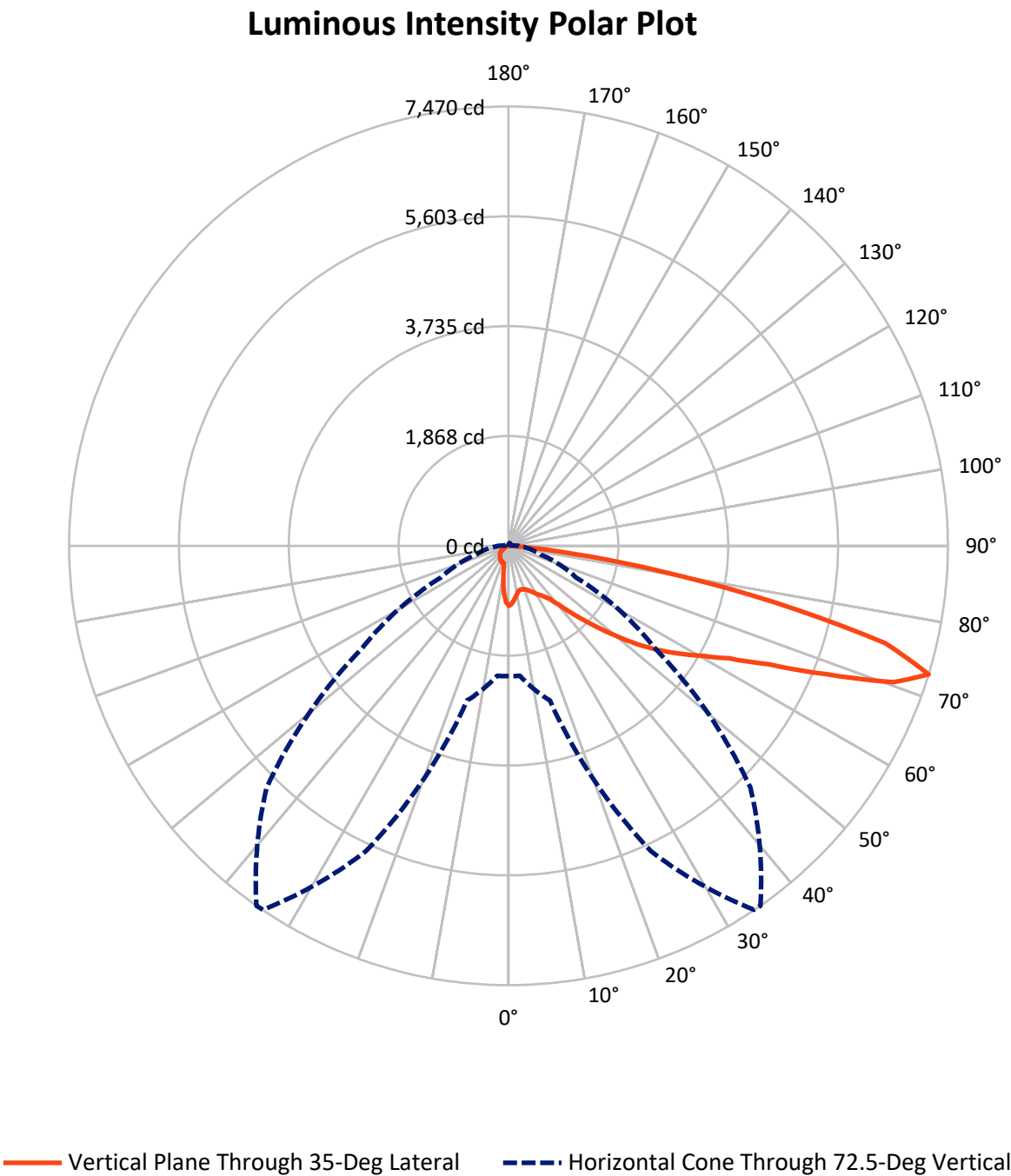
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type IV - Short - N/A

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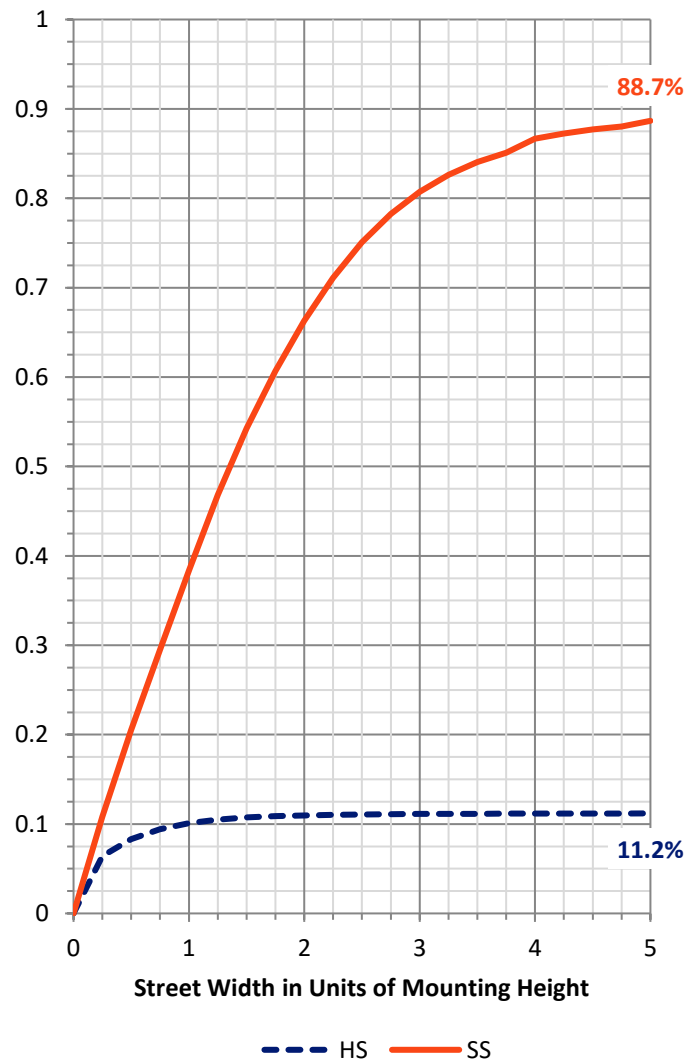
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	792.7	0.0	792.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	6250.3	0.0	6250.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	7043.0	0.0	7043.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	1.2
10°-20°	196.2	2.8
20°-30°	318.8	4.5
30°-40°	531.9	7.6
40°-50°	1006.3	14.3
50°-60°	1599.0	22.7
60°-70°	1978.1	28.1
70°-80°	1229.6	17.5
80°-90°	99.4	1.4
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°	7043.0	100.0
0°-180°	7043.0	100.0

Coefficient of Utilization



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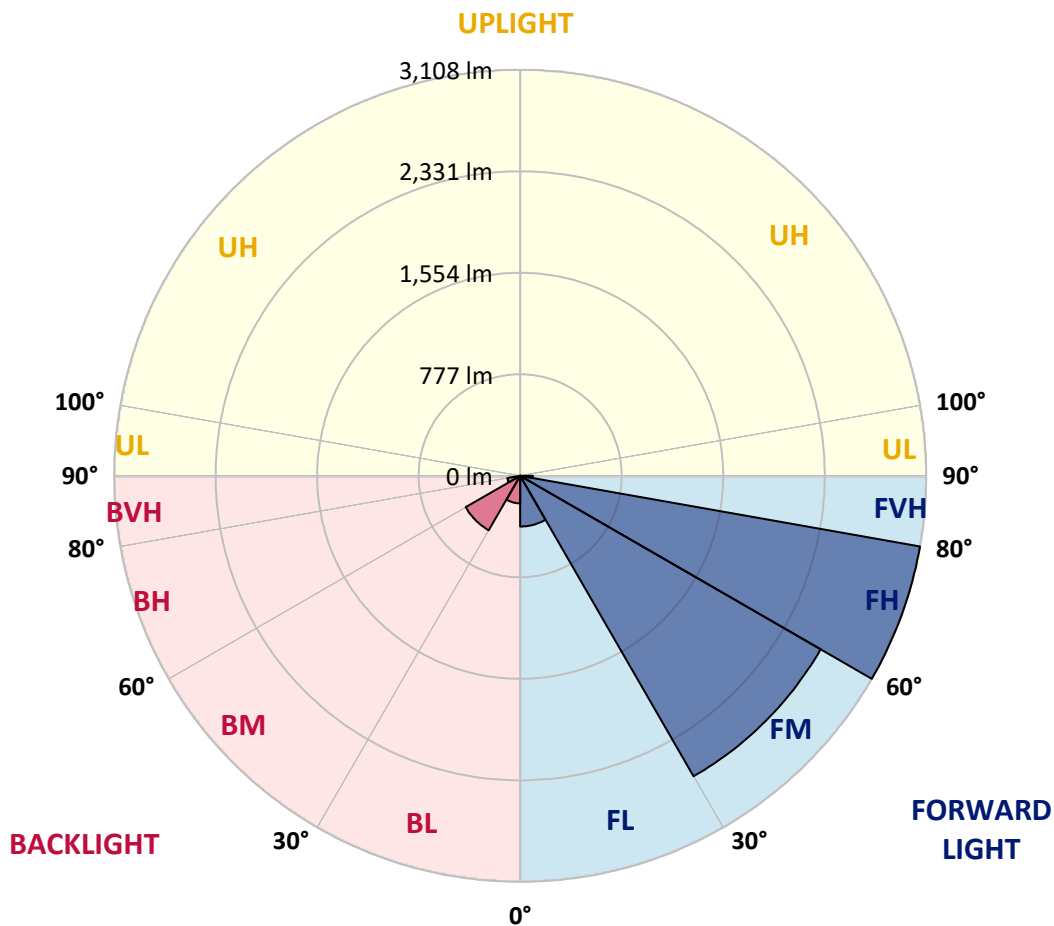
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	388.2	5.5			
FM	(30°-60°)	2655.9	37.7			
FH	(60°-80°)	3108.2	44.1			G2/5000
FVH	(80°-90°)	98.0	1.4			G1/100
BL	(0°-30°)	210.6	3.0	B1/500		
BM	(30°-60°)	481.2	6.8	B1/1000		
BH	(60°-80°)	99.5	1.4	B0/110		G0/110
BVH	(80°-90°)	1.3	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8
2.5°	975.4	983.6	985.2	987.7	987.7	990.8	996.0	1003.2	1015.1	1021.3	1025.4
5°	899.0	905.2	912.9	919.1	931.0	932.5	952.6	972.3	999.6	1020.3	1034.7
7.5°	822.1	829.3	839.6	854.6	870.1	874.7	905.2	938.2	981.5	1020.3	1044.5
10°	767.9	768.4	777.7	792.7	817.4	823.1	860.3	907.2	961.4	1014.1	1053.8
12.5°	737.4	741.1	745.2	756.5	780.3	783.9	823.6	878.9	941.3	1010.4	1064.6
15°	737.4	740.0	742.6	748.3	767.4	770.5	805.6	860.8	931.0	1012.0	1082.2
17.5°	745.2	749.3	747.3	754.0	774.1	776.2	807.1	855.6	930.5	1021.8	1109.0
20°	763.8	766.9	762.7	766.9	787.0	791.1	823.1	865.4	939.2	1038.8	1142.6
22.5°	793.2	794.7	784.9	788.0	808.7	813.8	851.0	893.3	960.4	1066.2	1187.5
25°	830.3	833.4	818.5	822.1	841.7	847.9	890.7	935.1	993.9	1103.9	1244.7
27.5°	873.2	874.7	861.8	861.3	886.6	895.4	938.7	986.7	1038.8	1151.3	1317.0
30°	922.2	926.8	914.5	912.4	944.4	951.6	994.4	1050.2	1104.9	1222.5	1419.7
32.5°	960.9	964.5	957.3	962.5	995.0	1000.6	1062.1	1140.0	1208.6	1323.7	1559.5
35°	1016.6	1018.7	1002.2	1011.5	1048.6	1063.1	1154.4	1265.9	1339.2	1450.6	1742.2
37.5°	1218.4	1218.4	1148.2	1102.3	1137.9	1150.8	1280.9	1424.3	1500.2	1620.9	1972.4
40°	1497.6	1493.0	1390.3	1296.3	1291.7	1317.0	1461.0	1624.0	1708.2	1825.3	2231.4
42.5°	1795.4	1788.1	1648.3	1555.4	1539.9	1548.7	1668.9	1870.2	1955.9	2074.6	2510.1
45°	2059.6	2057.5	1929.5	1804.7	1776.8	1804.7	1928.5	2158.2	2219.6	2344.5	2788.3
47.5°	2281.0	2281.0	2187.6	2106.0	2091.6	2108.1	2280.0	2477.6	2471.9	2631.9	3059.2
50°	2535.9	2533.9	2445.1	2410.0	2425.0	2448.2	2684.5	2814.1	2733.1	2914.2	3301.2
52.5°	2714.5	2726.9	2696.4	2690.7	2767.1	2807.4	3095.3	3143.3	2966.8	3182.0	3482.4
55°	2855.9	2870.3	2905.4	2945.2	3092.2	3144.9	3493.2	3455.5	3162.4	3414.3	3586.6
57.5°	3056.1	3035.5	3089.7	3168.1	3406.0	3469.5	3878.7	3750.2	3319.8	3602.6	3598.0
60°	3299.2	3302.3	3311.6	3410.6	3719.2	3800.8	4258.5	4028.9	3421.0	3718.2	3472.1
62.5°	3591.3	3595.9	3615.0	3767.2	4139.8	4216.7	4663.1	4257.0	3467.4	3685.7	3146.9
65°	3571.1	3590.7	3803.9	4324.6	4779.2	4855.1	5135.3	4417.0	3397.2	3388.5	2562.2
67.5°	3253.2	3285.2	3641.8	4990.3	5743.2	5827.9	5706.1	4448.4	3094.3	2635.0	1671.5
70°	2836.3	2847.6	3276.5	5588.9	6859.5	6945.1	6217.0	4102.2	2348.1	1469.7	748.8
72.5°	2214.9	2217.5	2720.7	5727.8	7465.3	7470.0	5816.0	3045.3	1262.8	564.6	260.1
75°	1582.2	1566.8	1822.2	4645.1	6567.9	6620.5	4360.2	1428.5	482.5	266.8	129.5
77.5°	848.4	865.4	1031.1	2754.7	4537.2	4627.0	2379.0	411.8	245.6	181.7	85.7
80°	262.2	276.6	422.7	1261.3	2570.0	2624.2	881.9	183.2	171.3	129.5	56.3
82.5°	82.6	85.7	197.1	530.0	1066.7	1091.5	255.4	103.7	117.1	85.7	33.0
85°	23.7	24.3	87.7	197.7	263.7	268.9	71.7	40.3	67.1	53.2	17.0
87.5°	2.6	8.3	33.0	33.0	23.2	22.7	7.7	8.8	19.1	6.7	3.1
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°	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8	1020.8
2.5°	1022.8	1023.3	1016.6	1005.3	992.9	982.6	969.7	959.4	952.1	950.1	953.7
5°	1030.1	1026.4	1007.3	972.8	931.5	895.9	856.1	824.7	804.0	795.2	798.3
7.5°	1040.9	1030.6	988.8	920.7	841.7	771.5	700.3	645.1	610.0	592.4	595.0
10°	1050.2	1029.5	957.8	845.3	724.5	618.2	522.3	455.7	418.5	401.0	401.5
12.5°	1059.0	1029.0	917.6	756.0	592.4	462.4	373.1	340.1	329.8	326.1	325.1
15°	1075.5	1030.6	867.0	653.8	460.8	349.4	316.9	316.3	318.4	317.4	316.9
17.5°	1098.2	1032.1	809.7	545.5	355.6	308.1	306.5	311.2	314.3	312.7	312.2
20°	1127.6	1038.3	748.8	438.1	305.5	297.8	301.4	305.5	308.1	305.5	305.0
22.5°	1168.9	1049.2	682.2	352.0	289.5	291.6	294.7	299.3	301.9	298.3	297.8
25°	1219.4	1066.2	616.7	306.0	281.8	284.3	289.0	294.2	297.3	293.6	293.1
27.5°	1285.0	1093.5	556.3	295.7	274.0	275.6	282.3	290.0	294.2	289.5	289.5
30°	1379.9	1138.4	504.2	300.3	269.4	265.8	275.1	285.9	290.5	286.4	285.9
32.5°	1505.9	1201.9	472.2	307.6	267.3	254.4	263.2	277.1	284.9	282.3	282.3
35°	1671.0	1298.4	459.8	315.8	265.8	242.5	248.7	263.7	277.1	279.7	279.7
37.5°	1871.2	1432.6	463.4	319.4	261.1	232.7	235.8	248.7	266.3	274.5	276.6
40°	2098.8	1588.9	484.1	315.8	256.0	224.5	225.0	234.8	250.3	262.7	266.8
42.5°	2333.6	1771.6	522.3	302.4	251.3	217.3	215.7	222.4	232.7	241.5	245.1
45°	2557.1	1959.5	559.9	283.8	245.6	210.0	206.4	209.0	211.1	214.7	216.7
47.5°	2752.1	2091.6	549.1	266.8	237.9	201.8	195.6	194.6	188.4	187.8	187.3
50°	2886.8	2120.5	487.7	249.8	226.6	192.5	182.7	176.5	165.7	160.5	161.0
52.5°	2929.7	2006.4	398.4	232.7	208.0	180.1	166.2	156.4	142.9	138.3	137.8
55°	2872.9	1783.0	318.4	212.1	182.2	163.6	148.1	135.2	124.4	118.7	118.7
57.5°	2734.1	1498.6	251.8	187.8	154.8	145.0	129.5	116.6	107.3	101.7	100.6
60°	2503.9	1190.0	199.2	158.9	132.1	124.9	108.9	100.6	92.4	85.7	84.1
62.5°	2154.6	849.4	156.4	125.9	110.4	102.2	92.9	86.7	76.9	67.6	66.1
65°	1681.3	519.7	120.8	92.4	88.8	84.6	79.0	73.3	61.4	52.1	50.6
67.5°	1060.5	246.2	86.2	69.7	70.2	68.1	65.5	60.9	52.1	43.9	42.8
70°	467.0	119.2	56.8	53.2	52.1	52.1	54.2	52.6	44.4	36.6	35.1
72.5°	158.9	64.0	42.3	40.3	37.7	37.2	45.4	43.9	35.6	28.4	26.8
75°	83.1	42.8	31.0	28.9	22.7	27.4	36.1	34.1	25.3	18.6	17.0
77.5°	54.2	30.4	21.2	18.6	12.9	18.1	26.8	23.7	15.0	9.3	8.3
80°	34.1	20.1	12.4	8.8	6.2	9.8	14.4	10.3	5.7	2.1	1.5
82.5°	18.1	10.3	4.6	3.1	2.6	3.1	3.6	2.6	1.0	0.0	0.0
85°	7.2	3.6	1.5	1.0	0.5	0.0	1.0	0.5	0.0	0.0	0.0
87.5°	2.6	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)