

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: P940076

Luminaire Tested: **GALN-SB3A-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8720 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 84.7
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

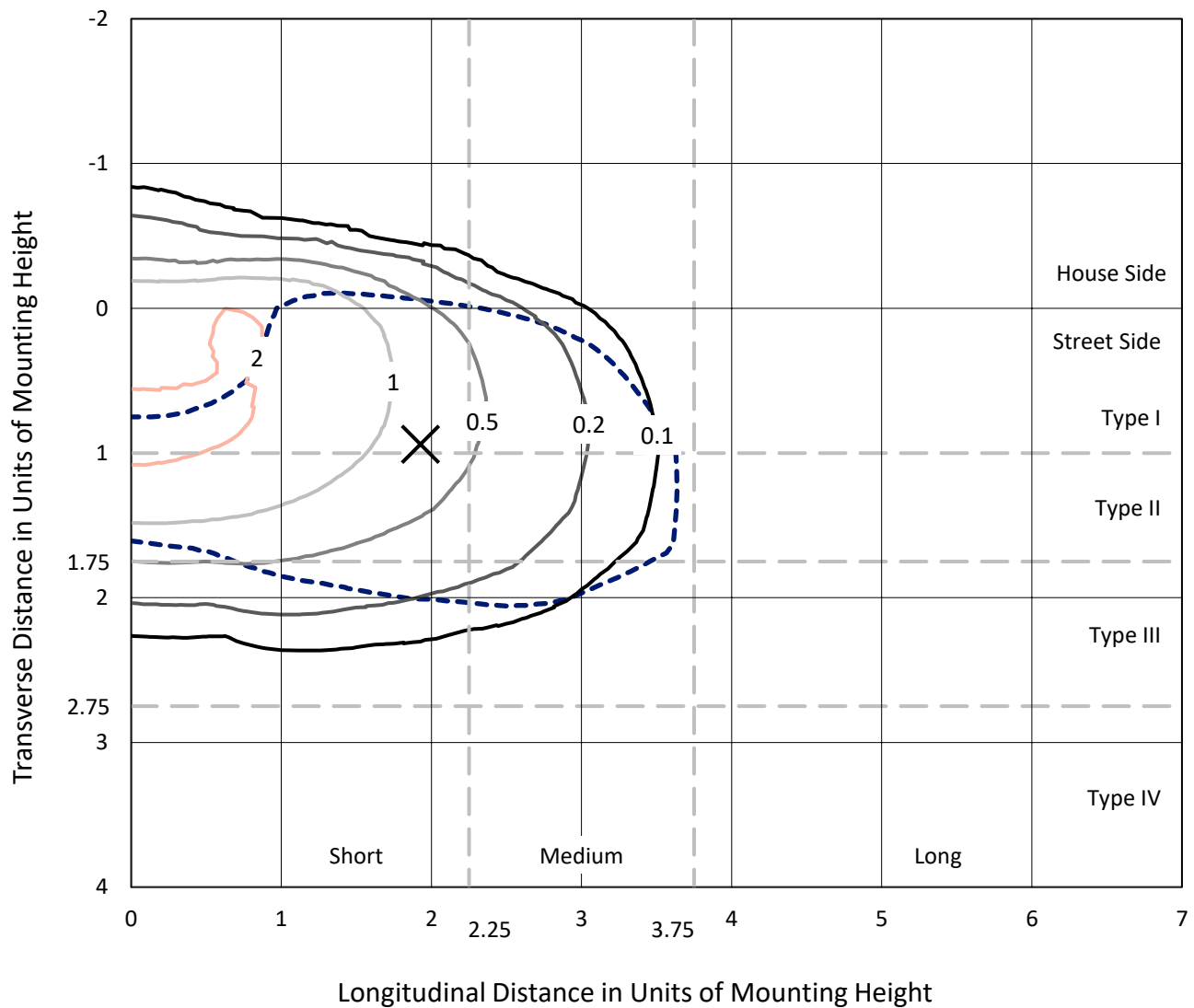


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

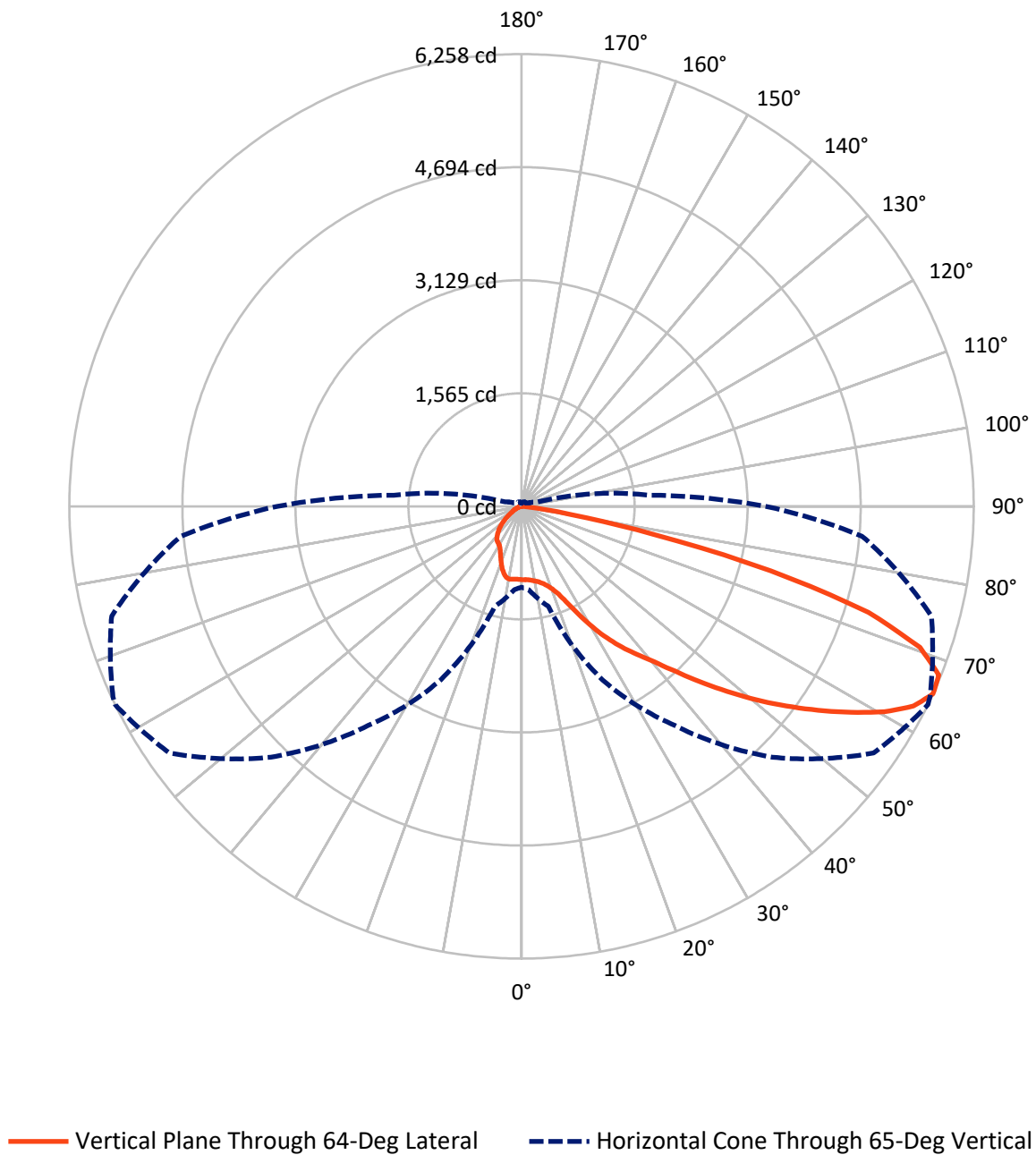


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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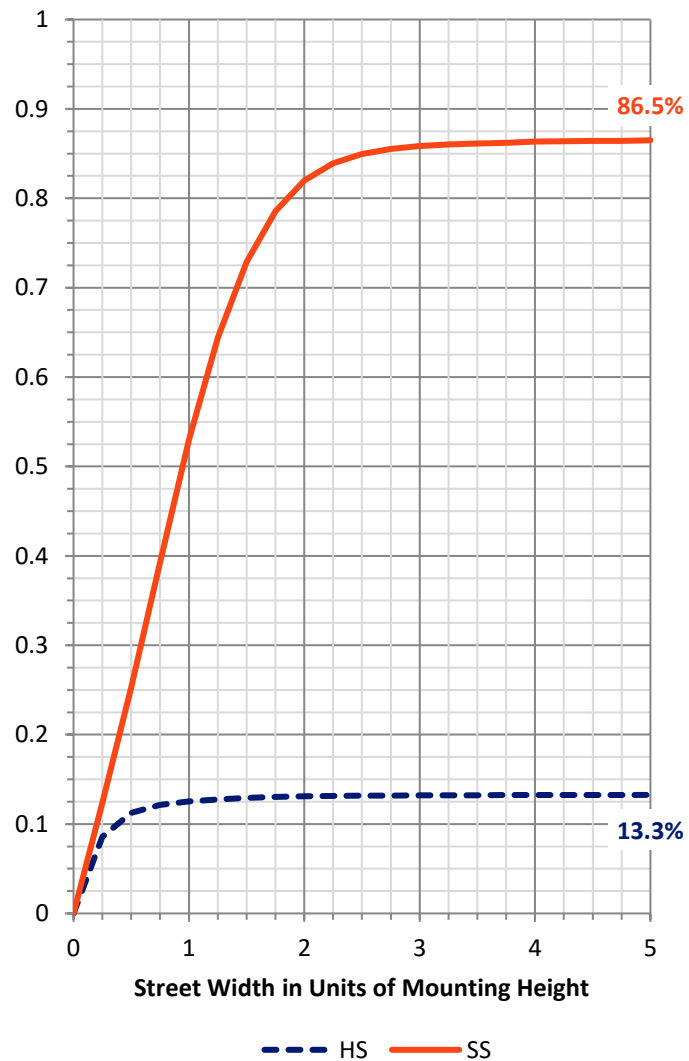
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1166.1	0.0	1166.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	7553.9	0.0	7553.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	8720.0	0.0	8720.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	1.1
10°-20°	253.8	2.9
20°-30°	480.9	5.5
30°-40°	973.2	11.2
40°-50°	1657.8	19.0
50°-60°	2254.5	25.9
60°-70°	2117.0	24.3
70°-80°	848.2	9.7
80°-90°	41.1	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°	8720.0	100.0
0°-180°	8720.0	100.0

Coefficient of Utilization



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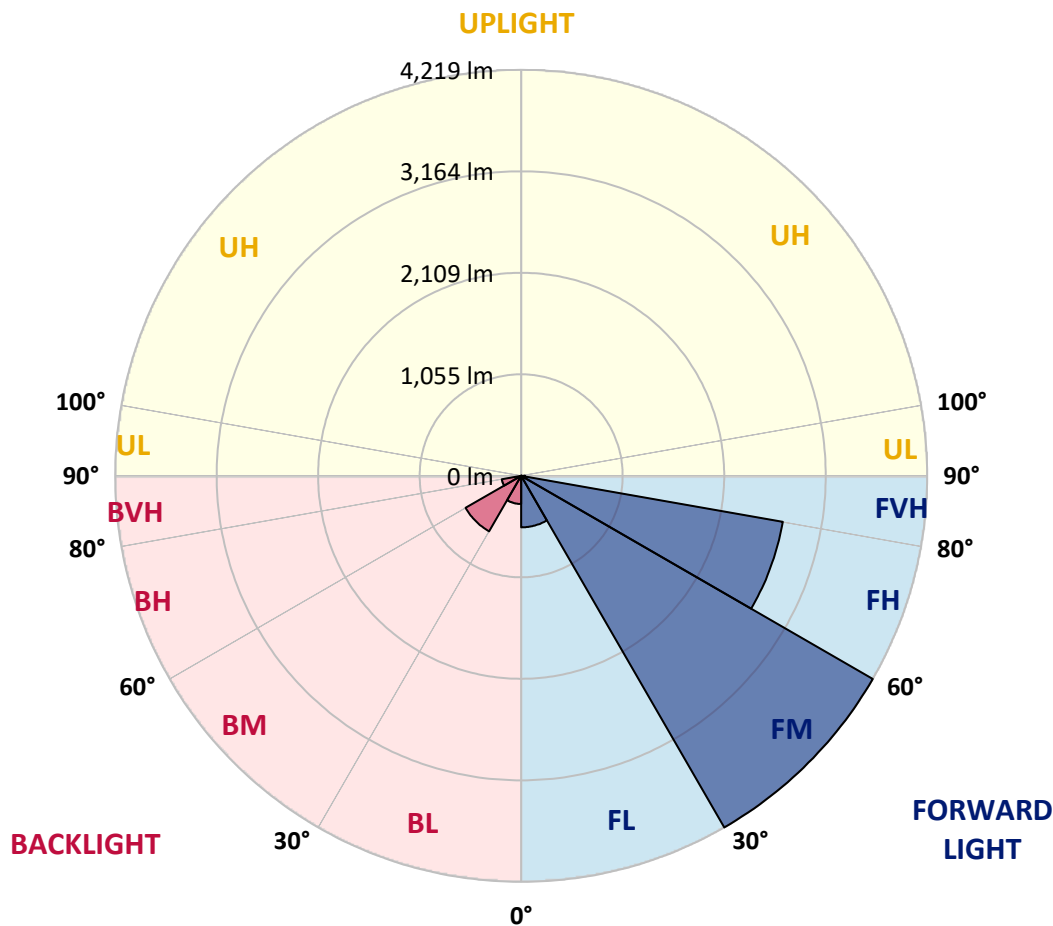
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	535.5	6.1			
FM	(30°-60°)	4218.7	48.4			
FH	(60°-80°)	2760.6	31.7			G2/5000
FVH	(80°-90°)	39.1	0.4			G1/100
BL	(0°-30°)	292.8	3.4	B1/500		
BM	(30°-60°)	666.7	7.6	B1/1000		
BH	(60°-80°)	204.7	2.3	B1/500		G1/500
BVH	(80°-90°)	2.0	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2
2.5°	1010.7	1017.7	1016.0	1014.2	1013.6	1014.8	1015.4	1014.8	1014.8	1014.8	1015.4
5°	991.4	997.3	997.3	1001.4	1007.2	1014.2	1019.5	1020.7	1021.8	1023.6	1023.0
7.5°	954.6	959.3	962.8	976.2	990.8	1009.5	1025.3	1033.5	1034.7	1041.1	1043.5
10°	929.5	935.3	941.2	955.2	976.2	1004.3	1031.2	1051.1	1054.0	1069.2	1076.2
12.5°	928.3	934.1	941.7	956.9	981.5	1011.3	1044.0	1072.7	1077.9	1100.2	1114.8
15°	940.6	947.6	954.6	973.3	999.6	1035.9	1070.9	1106.6	1111.8	1143.4	1159.2
17.5°	965.7	975.1	980.3	999.0	1027.1	1067.4	1113.6	1154.5	1159.2	1196.0	1215.9
20°	1015.4	1026.5	1028.3	1043.5	1070.9	1114.2	1169.1	1220.0	1225.8	1267.9	1290.1
22.5°	1118.3	1134.1	1120.0	1127.6	1152.2	1195.4	1255.1	1319.4	1327.6	1375.5	1395.4
25°	1299.5	1321.7	1285.5	1272.6	1283.1	1328.1	1403.0	1484.2	1493.6	1532.2	1542.1
27.5°	1655.5	1626.9	1571.9	1518.1	1486.6	1512.3	1596.5	1697.0	1708.7	1746.1	1734.4
30°	2046.6	2021.4	1947.2	1827.9	1753.1	1749.0	1826.8	1939.0	1952.5	1988.1	1952.5
32.5°	2438.2	2414.3	2333.6	2186.9	2057.1	1992.8	2046.6	2171.1	2178.1	2200.9	2148.3
35°	2823.5	2798.9	2718.2	2568.0	2408.4	2262.3	2251.8	2392.1	2394.4	2418.4	2340.0
37.5°	3211.0	3190.6	3104.6	2957.3	2800.1	2598.4	2500.8	2601.3	2604.3	2627.6	2546.4
40°	3487.5	3496.3	3437.3	3323.3	3188.2	2967.9	2780.2	2824.1	2806.5	2845.7	2797.2
42.5°	3724.9	3742.4	3691.0	3633.7	3555.3	3361.3	3126.3	3118.7	3090.6	3111.7	3061.4
45°	3930.1	3944.7	3898.5	3885.0	3883.3	3747.1	3504.5	3458.9	3419.7	3415.6	3355.4
47.5°	4005.5	4033.5	4053.4	4098.4	4186.1	4128.8	3895.6	3824.8	3781.0	3748.8	3653.6
50°	4034.1	4063.9	4131.7	4262.7	4470.2	4494.7	4284.9	4205.4	4151.6	4093.1	3952.9
52.5°	3995.5	4048.7	4139.9	4360.3	4661.4	4788.2	4658.4	4588.9	4527.5	4432.2	4224.1
55°	3768.1	3821.3	4007.8	4359.1	4756.6	4994.0	5011.5	4980.5	4911.5	4761.3	4443.3
57.5°	3288.8	3367.7	3662.9	4210.6	4754.9	5171.1	5357.6	5379.8	5302.6	5087.5	4615.8
60°	2624.7	2731.7	3091.8	3881.5	4608.2	5267.0	5661.0	5772.0	5690.2	5409.0	4755.5
62.5°	1831.5	1955.4	2296.2	3365.9	4272.6	5198.0	5882.5	6087.7	6025.7	5696.6	4809.2
65°	1117.1	1156.9	1431.6	2648.7	3702.1	4909.2	5950.9	6258.4	6237.9	5872.6	4729.7
67.5°	744.2	777.5	856.4	1816.3	2873.7	4332.2	5787.2	6228.6	6234.4	5843.9	4438.6
70°	448.4	477.0	528.5	1056.3	1862.4	3429.1	5280.4	5848.6	5882.5	5461.0	3886.8
72.5°	184.7	204.0	250.8	478.8	964.5	2176.3	4204.8	5021.4	5100.4	4591.8	2983.1
75°	104.6	114.6	147.3	240.3	418.6	1014.2	2547.0	3564.7	3681.0	3164.9	1794.6
77.5°	69.6	74.2	95.3	155.5	235.6	346.1	1088.5	1857.2	2079.3	1728.6	776.9
80°	46.8	50.9	65.5	104.1	153.2	148.5	346.6	688.0	846.5	593.9	189.4
82.5°	31.6	32.2	46.8	68.4	97.0	71.9	102.3	214.0	268.9	171.9	71.9
85°	18.1	17.5	34.5	39.8	43.3	29.8	31.0	64.3	84.2	72.5	40.9
87.5°	2.3	3.5	13.4	10.5	5.8	6.4	6.4	11.1	16.4	17.5	8.8
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°	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2	1014.2
2.5°	1015.4	1014.8	1013.1	1011.3	1007.2	1004.9	1006.0	1004.9	1004.3	1004.9	1007.2
5°	1023.0	1021.2	1016.6	1010.7	1002.5	992.6	986.2	976.8	968.0	962.8	964.0
7.5°	1043.5	1041.7	1035.3	1018.9	992.6	951.1	913.1	879.8	854.6	840.0	840.6
10°	1076.2	1073.3	1063.3	1027.1	958.1	867.5	792.1	729.5	688.6	669.3	667.6
12.5°	1114.8	1111.3	1093.7	1019.5	892.6	751.2	647.1	577.6	539.6	522.6	520.9
15°	1160.4	1155.7	1121.2	983.2	797.4	622.6	527.3	475.3	450.7	435.5	436.1
17.5°	1217.1	1208.9	1141.7	928.9	693.9	524.4	453.6	414.5	392.8	378.2	377.0
20°	1290.7	1277.3	1158.0	864.0	598.6	462.4	403.9	371.2	354.8	342.0	339.6
22.5°	1393.6	1374.3	1177.9	793.8	531.4	419.7	367.1	343.1	329.7	315.1	312.7
25°	1521.0	1498.2	1202.5	729.0	485.2	382.9	340.2	320.3	304.6	287.6	285.9
27.5°	1699.3	1658.4	1231.7	675.8	445.4	351.3	315.7	293.5	275.3	261.3	258.4
30°	1898.1	1830.9	1257.4	643.6	409.2	322.1	283.5	261.3	244.3	234.4	232.7
32.5°	2086.3	1995.1	1274.4	629.6	376.5	288.8	248.4	224.5	211.6	208.7	210.4
35°	2264.0	2143.6	1272.6	616.1	347.2	255.5	214.0	189.4	179.5	181.2	181.2
37.5°	2468.6	2302.0	1260.3	595.1	323.3	225.1	184.1	162.5	153.7	154.3	156.7
40°	2706.6	2485.0	1252.7	555.3	297.0	197.0	159.6	142.1	135.6	133.3	132.7
42.5°	2960.3	2662.1	1253.9	510.3	264.2	171.9	142.6	128.0	122.2	120.4	119.8
45°	3215.1	2831.1	1255.7	463.6	229.7	152.6	130.4	118.1	114.6	112.2	112.2
47.5°	3454.8	2974.9	1222.9	413.3	195.8	138.0	120.4	112.2	109.3	106.4	106.4
50°	3678.1	3070.7	1144.0	354.8	168.9	126.3	112.8	107.0	104.1	101.1	101.1
52.5°	3851.7	3085.9	1013.6	294.6	150.2	117.5	108.1	102.9	99.4	96.5	95.9
55°	3928.9	2990.7	828.3	238.5	135.6	109.9	103.5	98.2	94.1	91.2	90.6
57.5°	3909.0	2790.1	645.9	191.7	121.6	102.3	97.6	94.1	89.4	84.8	84.2
60°	3811.4	2521.8	486.9	159.6	108.7	94.1	91.2	88.3	81.8	74.8	73.7
62.5°	3642.4	2184.5	347.2	132.1	94.7	84.8	83.6	81.3	71.9	59.0	57.9
65°	3384.1	1774.8	233.8	109.9	81.3	74.2	74.8	70.7	58.5	43.8	42.7
67.5°	3006.4	1297.7	149.6	90.0	67.8	62.0	62.5	60.2	49.7	37.4	35.7
70°	2525.3	859.3	97.6	68.4	54.4	47.9	51.4	52.0	42.1	30.4	29.2
72.5°	1851.3	507.4	68.4	50.9	39.8	33.3	42.1	43.3	33.9	22.8	21.6
75°	1055.1	240.8	51.4	36.8	24.6	23.4	32.7	32.7	23.4	15.2	14.0
77.5°	443.1	100.5	36.2	24.0	14.0	13.4	22.2	20.5	11.7	7.0	7.0
80°	128.0	45.0	19.3	11.7	5.8	5.3	8.8	6.4	2.9	1.2	1.2
82.5°	50.3	19.9	7.6	4.7	2.3	2.3	1.2	0.0	0.0	0.0	0.0
85°	29.8	8.2	3.5	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.6	1.8	1.2	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)