

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: P941269

Luminaire Tested: **GALN-SB4D-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4D-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33299 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 293.6
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



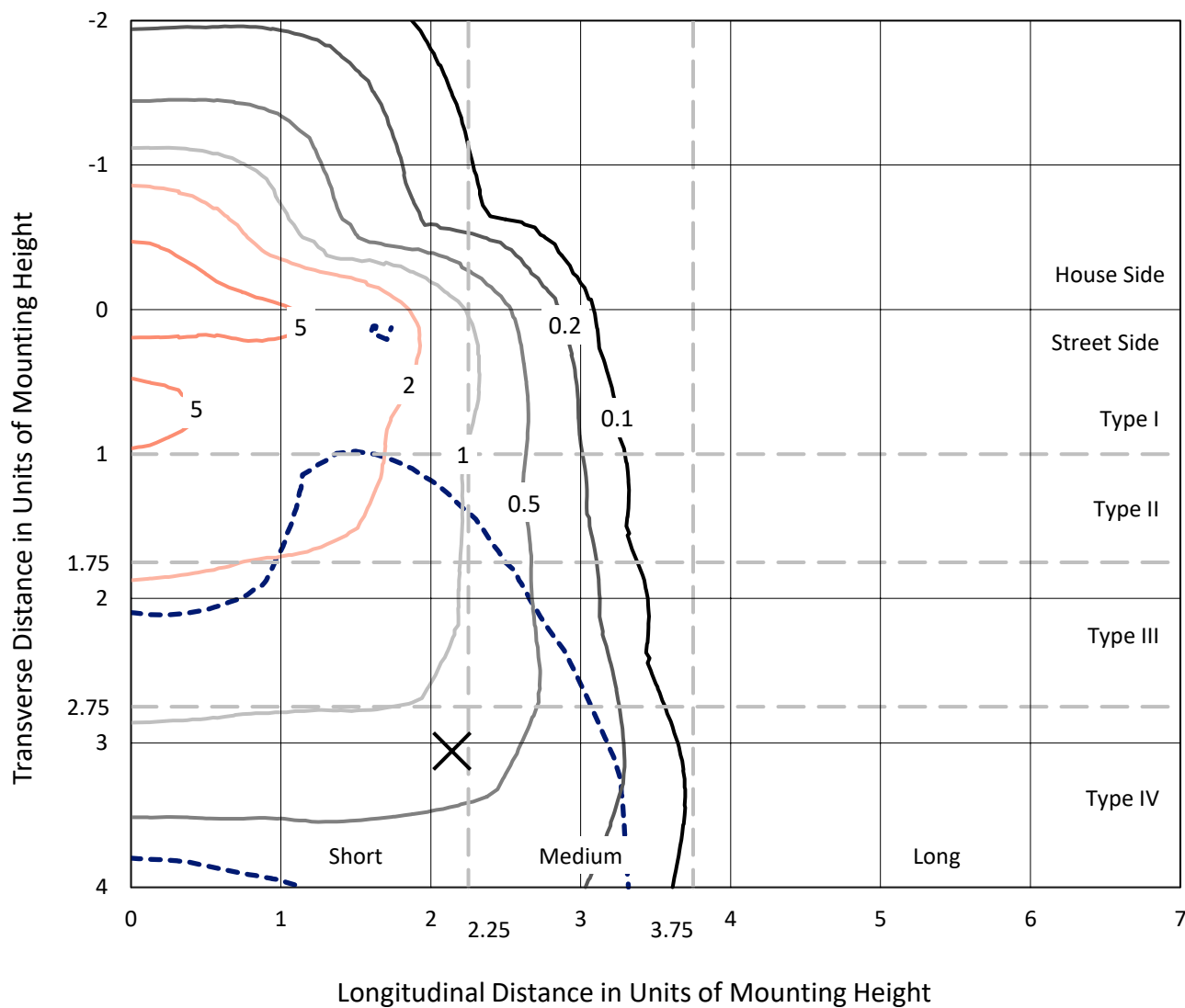
REPORT NUMBER: P941269

CATALOG NUMBER: GALN-SB4D-722-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

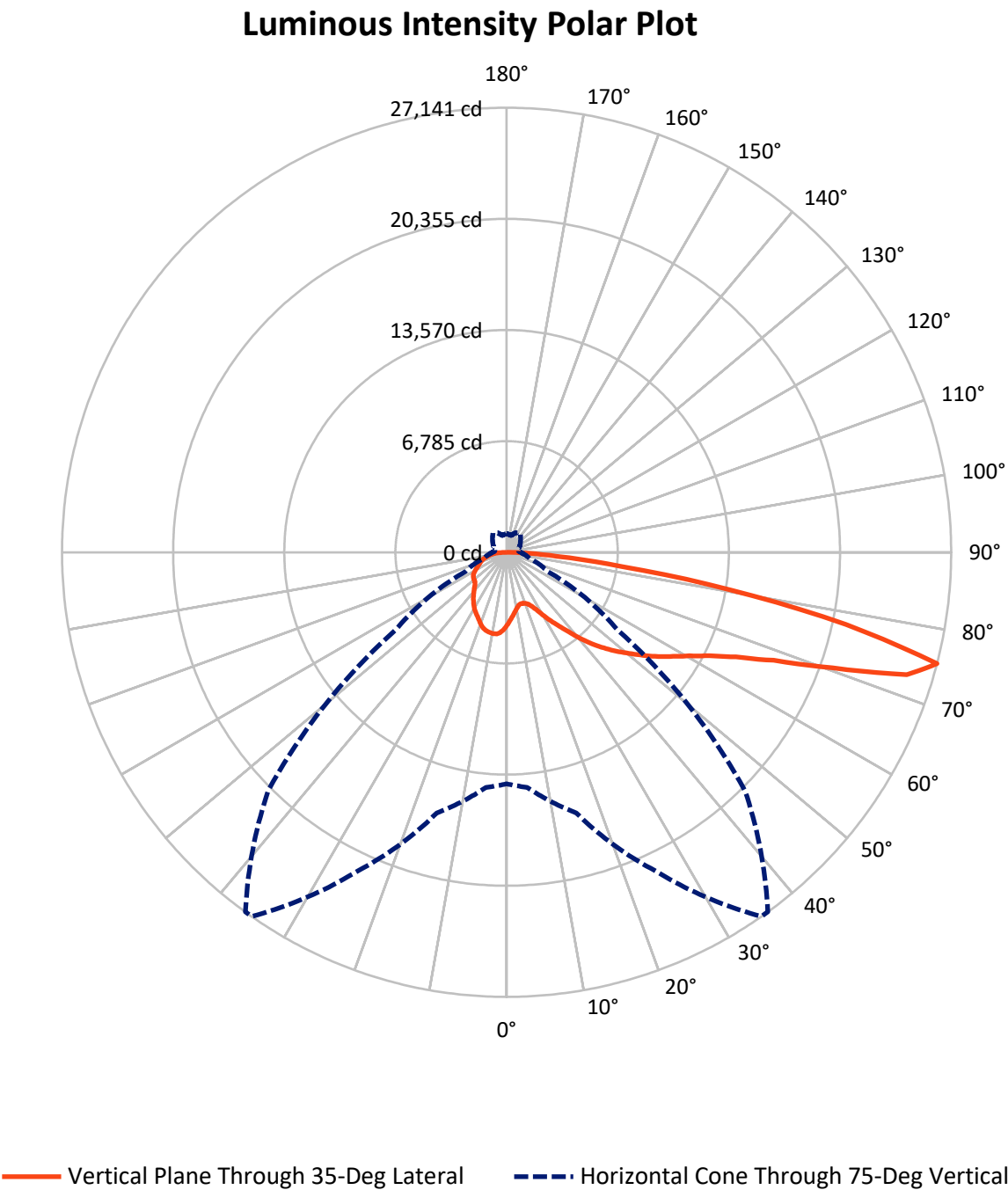
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc

Type IV - Short - N/A

REPORT NUMBER: P941269
CATALOG NUMBER: GALN-SB4D-722-U-T4FT



REPORT NUMBER: P941269

CATALOG NUMBER: GALN-SB4D-722-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7924.3	0.0	7924.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	25374.7	0.0	25374.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	33299.0	0.0	33299.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.1	1.3
10°-20°	1211.8	3.6
20°-30°	2035.0	6.1
30°-40°	3162.6	9.5
40°-50°	4694.2	14.1
50°-60°	6480.6	19.5
60°-70°	7862.4	23.6
70°-80°	6497.7	19.5
80°-90°	934.6	2.8
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°	33299.0	100.0
0°-180°	33299.0	100.0

Coefficient of Utilization



REPORT NUMBER: P941269

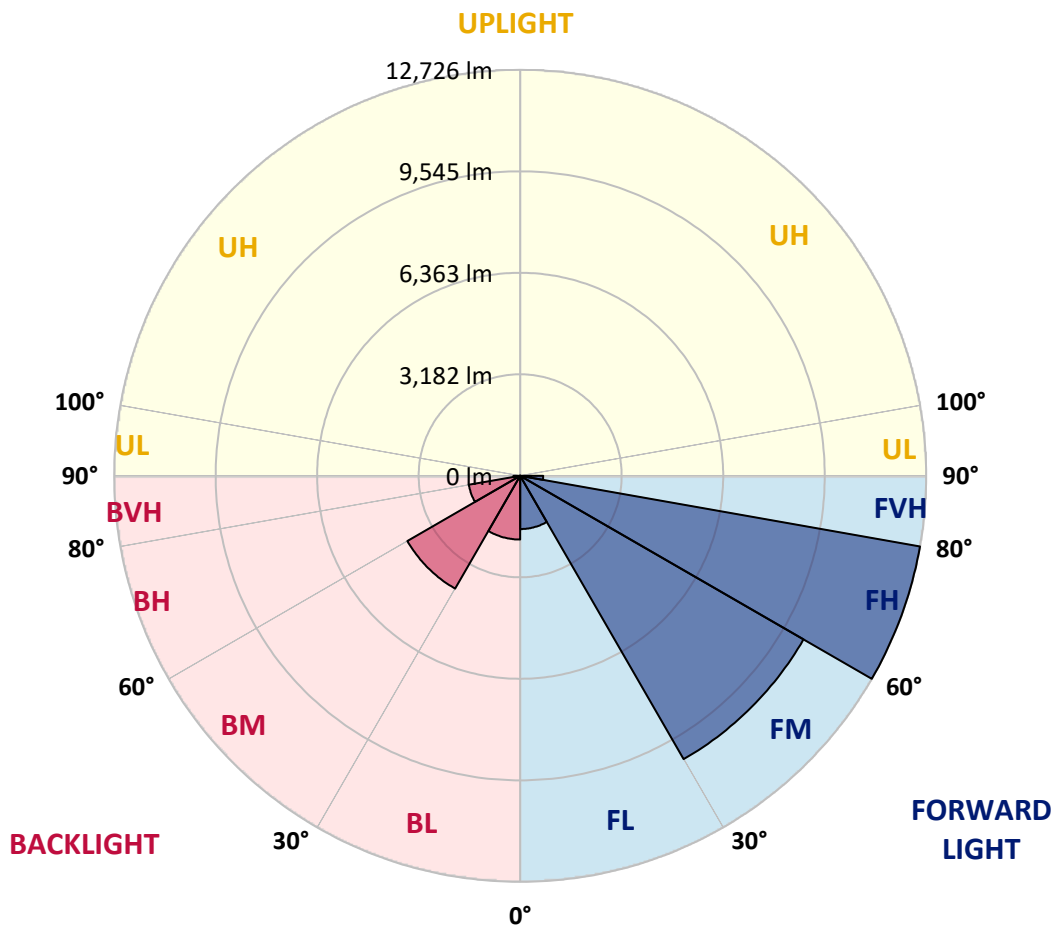
CATALOG NUMBER: GALN-SB4D-722-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1669.9	5.0			
FM	(30°-60°)	10254.3	30.8			
FH	(60°-80°)	12726.4	38.2			G5
FVH	(80°-90°)	724.1	2.2			G4/750
BL	(0°-30°)	1997.0	6.0	B3/2500		
BM	(30°-60°)	4083.1	12.3	B3/5000		
BH	(60°-80°)	1633.8	4.9	B3/2500		G3/2500
BVH	(80°-90°)	210.4	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



REPORT NUMBER: P941269

CATALOG NUMBER: GALN-SB4D-722-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	4437.3	4437.3	4437.3	4437.3	4437.3	4437.3	4437.3	4437.3	4437.3	4437.3	4437.3
2.5°	4091.7	4116.9	4127.7	4122.3	4149.3	4145.7	4183.5	4230.3	4295.1	4358.1	4449.9
5°	3776.7	3803.7	3827.1	3848.7	3900.9	3917.1	3976.5	4066.5	4185.3	4305.9	4457.1
7.5°	3483.2	3506.7	3542.7	3582.3	3670.5	3686.7	3785.7	3926.1	4091.7	4268.1	4476.9
10°	3243.8	3267.2	3305.0	3350.0	3459.8	3479.6	3605.7	3792.9	4008.9	4232.1	4498.5
12.5°	3141.2	3148.4	3170.0	3215.0	3310.4	3323.0	3461.6	3675.9	3927.9	4205.1	4530.9
15°	3135.8	3150.2	3152.0	3175.4	3254.6	3260.0	3387.8	3600.3	3877.5	4199.7	4579.5
17.5°	3189.8	3200.6	3184.4	3198.8	3265.4	3274.4	3375.2	3564.3	3861.3	4223.1	4662.3
20°	3333.8	3342.8	3294.2	3274.4	3323.0	3330.2	3429.2	3587.7	3877.5	4271.7	4775.7
22.5°	3639.9	3645.3	3526.5	3445.4	3449.0	3452.6	3539.1	3683.1	3940.5	4359.9	4919.8
25°	4116.9	4113.3	3924.3	3767.7	3677.7	3657.9	3715.5	3837.9	4046.7	4476.9	5105.2
27.5°	4674.9	4647.9	4458.9	4224.9	4028.7	3999.9	3987.3	4039.5	4197.9	4631.7	5332.0
30°	5305.0	5279.8	5076.4	4770.3	4498.5	4451.7	4332.9	4305.9	4422.9	4842.3	5647.0
32.5°	5996.2	5980.0	5737.0	5366.2	5002.6	4948.6	4748.7	4676.7	4768.5	5161.0	6086.2
35°	6575.9	6561.5	6359.9	5978.2	5533.6	5467.0	5263.6	5182.6	5229.4	5569.6	6660.5
37.5°	7099.7	7092.5	6919.7	6619.1	6160.0	6079.0	5850.4	5823.4	5814.4	6107.8	7357.1
40°	7585.7	7567.7	7387.7	7229.3	6889.1	6815.3	6613.7	6590.3	6521.9	6770.3	8145.6
42.5°	8124.0	8077.2	7816.2	7742.4	7650.5	7589.3	7468.7	7472.3	7321.1	7517.3	8980.8
45°	8563.2	8536.2	8268.0	8224.8	8323.8	8298.6	8403.0	8430.0	8136.6	8300.4	9848.5
47.5°	9034.8	9009.6	8782.8	8752.2	9020.4	9027.6	9396.7	9405.7	8932.2	9114.1	10718.0
50°	9616.3	9580.3	9355.3	9393.1	9693.7	9720.7	10395.7	10334.5	9664.9	9940.3	11580.2
52.5°	9999.7	10021.3	9972.7	10033.9	10444.3	10469.5	11378.6	11222.0	10390.3	10755.8	12426.3
55°	10282.3	10325.5	10476.7	10617.2	11236.4	11261.6	12305.7	12066.3	10991.6	11511.8	13221.9
57.5°	10646.0	10584.8	10867.4	11141.0	11988.9	12055.5	13207.5	12879.9	11524.4	12163.5	13767.4
60°	11168.0	11124.8	11344.4	11749.4	12831.3	12937.5	14161.6	13612.6	11915.1	12680.1	13873.6
62.5°	12226.5	12118.5	12152.7	12510.9	13893.4	14033.8	15238.1	14251.6	12109.5	12881.7	13304.8
65°	13808.8	13623.4	13450.6	13699.0	15389.3	15527.9	16453.2	14753.9	12037.5	12491.1	11794.4
67.5°	15801.5	15617.9	15405.5	15639.5	17592.7	17702.5	17952.7	15036.5	11470.4	10986.2	9124.9
70°	17445.0	17376.6	17630.5	18593.5	21111.9	21115.5	19875.2	14802.5	9916.9	7789.2	5279.8
72.5°	17227.2	17185.8	18523.3	21500.7	25547.4	25452.0	21695.1	13031.1	6680.3	3513.9	1978.3
75°	14132.8	14401.0	16473.0	21448.5	27140.5	27127.9	20580.9	8284.2	2763.2	1456.3	1022.5
77.5°	7578.5	8003.4	10694.6	15835.7	21187.5	21506.1	14469.4	2898.2	1186.3	932.5	707.5
80°	2471.6	2842.4	4262.7	8062.8	13767.4	13708.0	6201.4	1137.7	811.9	660.6	489.6
82.5°	1049.5	1092.7	1904.5	3807.3	7065.5	6955.7	1974.7	653.4	570.6	451.8	302.4
85°	410.4	459.0	840.7	1760.5	3060.2	2993.6	712.9	324.0	365.4	295.2	180.0
87.5°	135.0	163.8	300.6	603.0	952.3	918.1	174.6	111.6	158.4	135.0	64.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P941269

CATALOG NUMBER: GALN-SB4D-722-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4437.3	4437.3	4437.3	4437.3	4437.3	4437.3	4437.3	4437.3	4437.3	4437.3	4437.3
2.5°	4475.1	4503.9	4538.1	4588.5	4631.7	4667.7	4705.5	4728.9	4737.9	4764.9	4763.1
5°	4507.5	4570.5	4655.1	4737.9	4818.9	4867.5	4910.8	4932.4	4952.2	4966.6	4970.2
7.5°	4561.5	4642.5	4775.7	4883.7	4952.2	4991.8	5020.6	5013.4	5020.6	5024.2	5029.6
10°	4608.3	4721.7	4880.1	4982.8	5035.0	5036.8	5029.6	5004.4	4991.8	4993.6	4997.2
12.5°	4664.1	4790.1	4961.2	5047.6	5062.0	5022.4	4991.8	4948.6	4932.4	4925.2	4921.6
15°	4739.7	4883.7	5049.4	5081.8	5045.8	4995.4	4943.2	4872.9	4836.9	4808.1	4817.1
17.5°	4831.5	4990.0	5117.8	5094.4	5017.0	4934.2	4849.5	4743.3	4669.5	4638.9	4640.7
20°	4959.4	5101.6	5170.0	5067.4	4950.4	4824.3	4680.3	4550.7	4482.3	4451.7	4448.1
22.5°	5114.2	5251.0	5220.4	5020.6	4854.9	4653.3	4473.3	4377.9	4343.7	4322.1	4325.7
25°	5299.6	5416.6	5256.4	4952.2	4698.3	4426.5	4287.9	4257.3	4241.1	4224.9	4224.9
27.5°	5540.8	5603.8	5283.4	4851.3	4453.5	4185.3	4134.9	4140.3	4134.9	4107.9	4113.3
30°	5859.4	5846.8	5308.6	4687.5	4172.7	3967.5	3971.1	3994.5	3998.1	3980.1	3989.1
32.5°	6278.8	6151.0	5321.2	4475.1	3904.5	3776.7	3780.3	3805.5	3823.5	3792.9	3807.3
35°	6786.5	6505.7	5301.4	4208.7	3697.5	3594.9	3567.9	3575.1	3580.5	3551.7	3571.5
37.5°	7378.7	6903.5	5213.2	3913.5	3526.5	3416.6	3359.0	3310.4	3281.6	3254.6	3272.6
40°	8028.6	7337.3	5051.2	3625.5	3335.6	3227.6	3141.2	3049.4	2952.2	2916.2	2932.4
42.5°	8709.0	7783.8	4854.9	3350.0	3116.0	3027.8	2936.0	2802.8	2657.0	2583.2	2592.2
45°	9414.7	8241.0	4662.3	3078.2	2891.0	2853.2	2747.0	2586.8	2428.4	2334.8	2327.6
47.5°	10105.9	8673.0	4379.7	2804.6	2680.4	2721.8	2639.0	2491.4	2315.0	2167.4	2151.2
50°	10766.6	9078.0	3917.1	2527.4	2509.4	2682.2	2603.0	2390.6	2189.0	1999.9	1983.7
52.5°	11421.8	9405.7	3324.8	2275.4	2417.6	2671.4	2556.2	2322.2	2075.5	1877.5	1855.9
55°	11978.1	9574.9	2754.2	2059.3	2284.4	2579.6	2500.4	2241.2	1915.3	1704.7	1686.7
57.5°	12294.9	9438.1	2279.0	1846.9	2100.8	2428.4	2405.0	2068.3	1724.5	1562.5	1540.9
60°	12158.1	8883.6	1890.1	1661.5	1926.1	2264.6	2239.4	1897.3	1578.7	1425.7	1404.1
62.5°	11403.8	7827.0	1582.3	1499.5	1767.7	2097.1	2073.7	1765.9	1467.1	1319.5	1296.1
65°	9884.5	6367.1	1342.9	1364.5	1607.5	1895.5	1929.7	1656.1	1378.9	1234.9	1211.5
67.5°	7538.9	4611.9	1155.7	1247.5	1450.9	1697.5	1796.5	1576.9	1305.1	1168.3	1146.7
70°	4296.9	2619.2	997.3	1134.1	1312.3	1513.9	1693.9	1513.9	1225.9	1112.5	1098.1
72.5°	1629.1	1202.5	862.3	1020.7	1179.1	1359.1	1580.5	1414.9	1134.1	1049.5	1035.1
75°	869.5	732.7	725.5	887.5	1026.1	1207.9	1438.3	1317.7	1065.7	1108.9	1144.9
77.5°	592.2	518.4	606.6	759.7	858.7	1040.5	1287.1	1170.1	923.5	919.9	847.9
80°	410.4	367.2	493.2	612.0	664.2	874.9	1123.3	1004.5	752.5	702.1	671.4
82.5°	246.6	239.4	369.0	457.2	469.8	675.0	930.7	842.5	615.6	536.4	540.0
85°	135.0	142.2	235.8	268.2	273.6	471.6	729.1	651.6	473.4	397.8	401.4
87.5°	37.8	48.6	86.4	106.2	131.4	244.8	433.8	387.0	237.6	165.6	165.6
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)