

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: P941267

Luminaire Tested: **GALN-SB4D-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
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-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33713 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

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

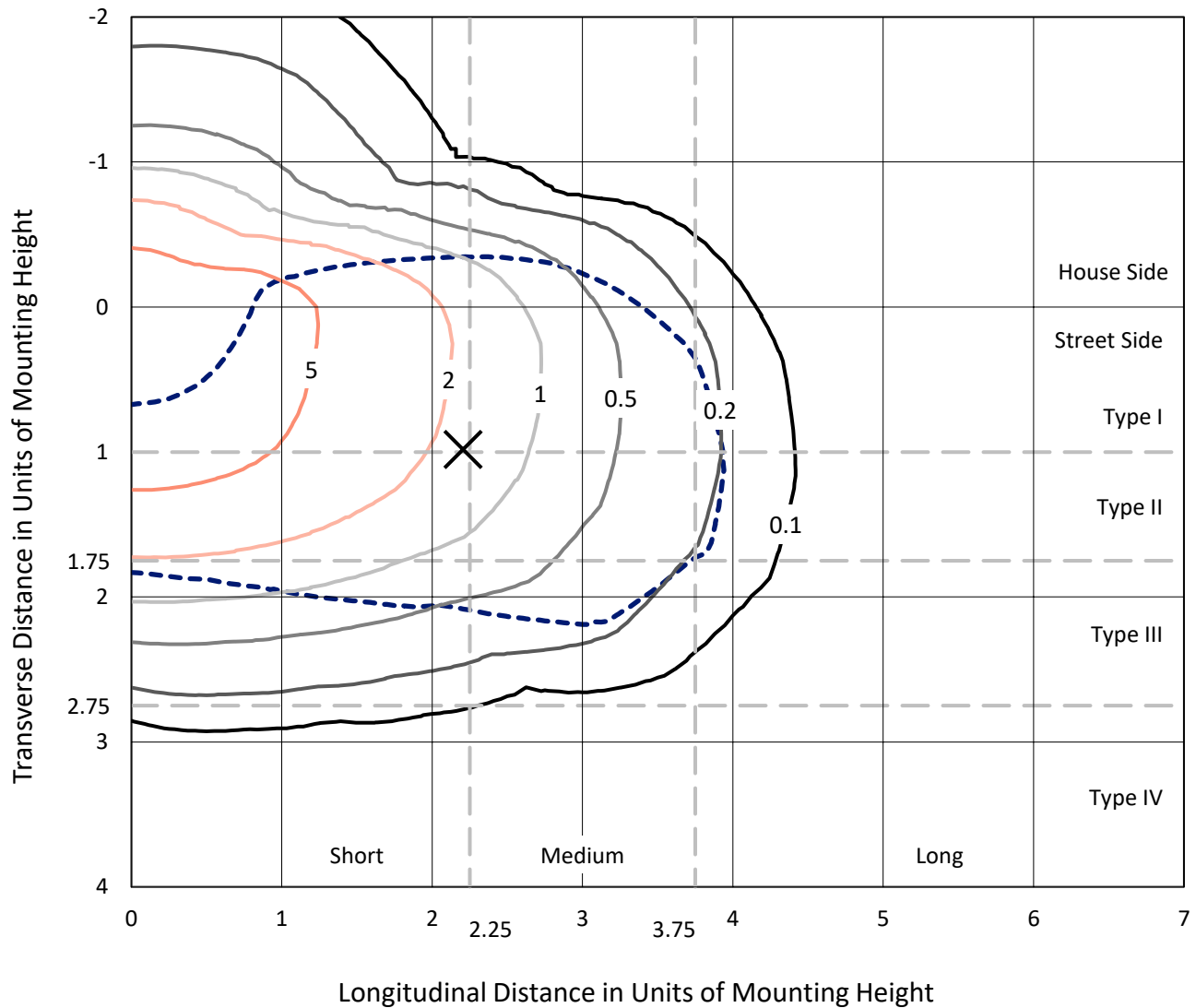


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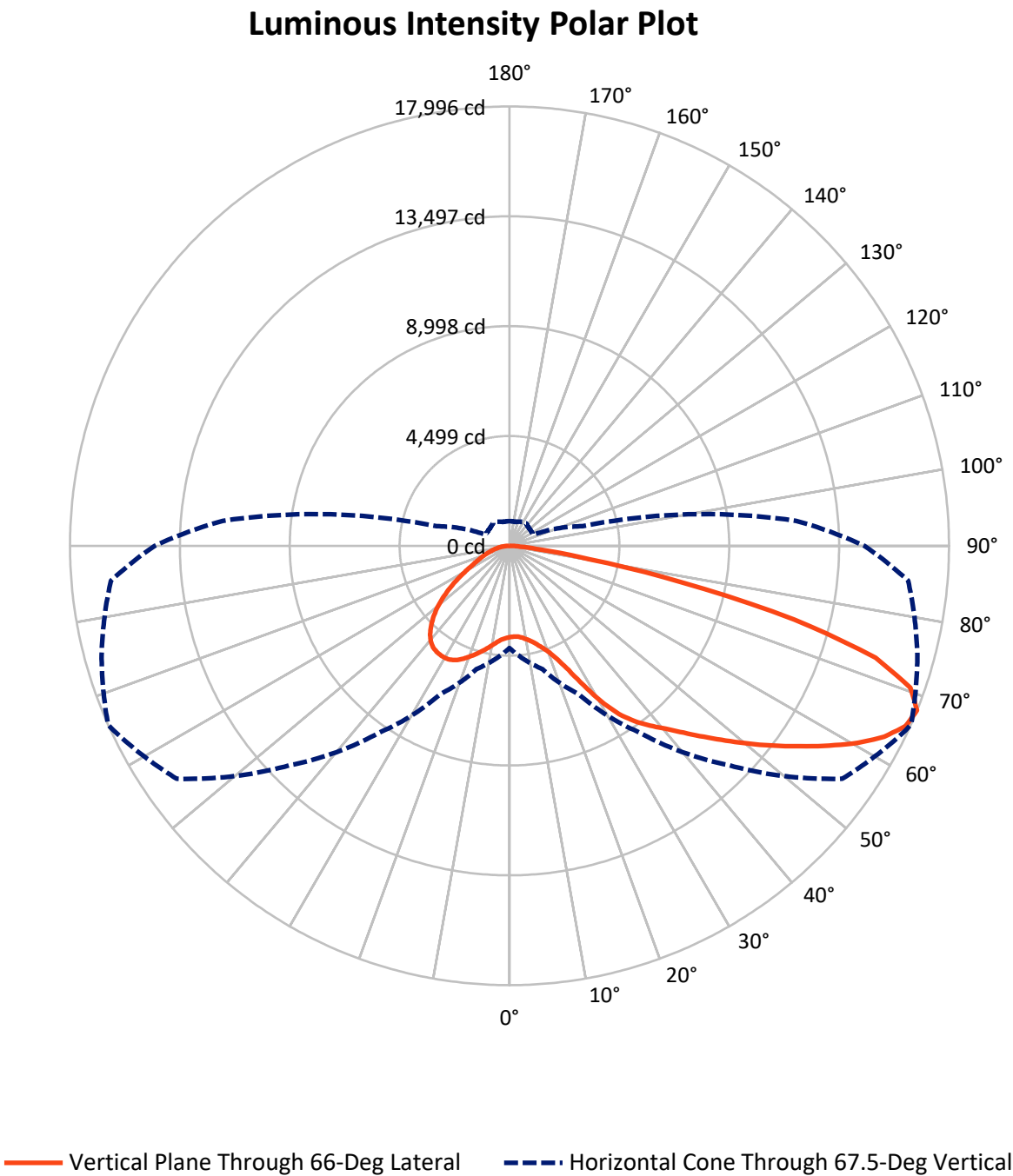
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8382.7	0.0	8382.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	25330.4	0.0	25330.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	33713.0	0.0	33713.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.7	1.1
10°-20°	1224.8	3.6
20°-30°	2360.8	7.0
30°-40°	4139.4	12.3
40°-50°	6153.9	18.3
50°-60°	7800.6	23.1
60°-70°	7632.7	22.6
70°-80°	3640.9	10.8
80°-90°	389.1	1.2
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°	33713.0	100.0
0°-180°	33713.0	100.0

Coefficient of Utilization



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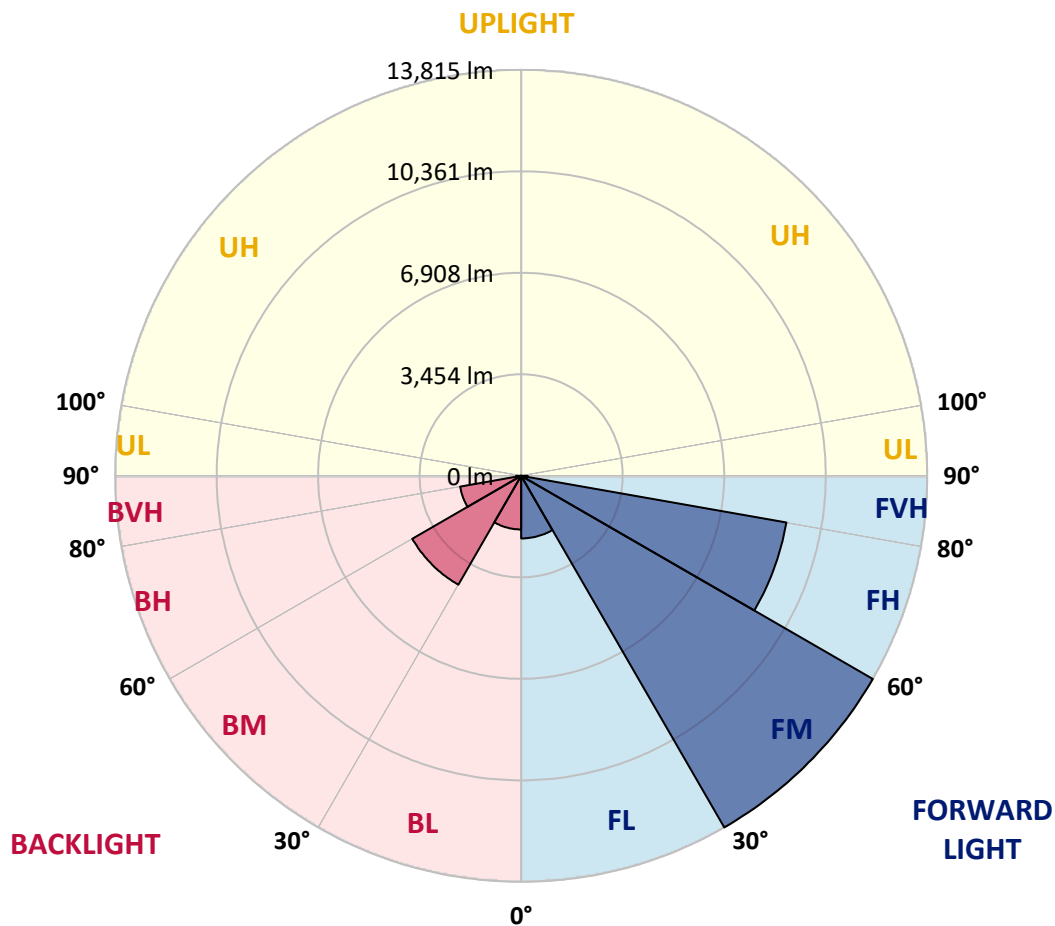
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2130.3	6.3			
FM	(30°-60°)	13815.3	41.0			
FH	(60°-80°)	9164.1	27.2			G4/12000
FVH	(80°-90°)	220.6	0.7			G2/225
BL	(0°-30°)	1826.0	5.4	B3/2500		
BM	(30°-60°)	4278.6	12.7	B3/5000		
BH	(60°-80°)	2109.5	6.3	B3/2500		G3/2500
BVH	(80°-90°)	168.5	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3739.2	3739.2	3739.2	3739.2	3739.2	3739.2	3739.2	3739.2	3739.2	3739.2	3739.2
2.5°	3700.2	3721.5	3716.2	3707.3	3705.6	3709.1	3714.4	3719.7	3718.0	3726.8	3741.0
5°	3689.6	3710.9	3709.1	3709.1	3716.2	3730.4	3739.2	3748.1	3739.2	3749.8	3769.3
7.5°	3696.7	3712.6	3719.7	3726.8	3744.5	3771.1	3792.4	3811.8	3801.2	3813.6	3838.4
10°	3787.0	3799.4	3806.5	3806.5	3818.9	3849.0	3870.3	3905.7	3896.9	3916.3	3948.2
12.5°	3951.8	3964.2	3964.2	3957.1	3965.9	3985.4	3992.5	4031.5	4015.5	4047.4	4079.3
15°	4153.7	4178.5	4159.0	4146.6	4150.2	4169.6	4167.9	4198.0	4182.0	4208.6	4237.0
17.5°	4376.9	4408.8	4376.9	4375.1	4368.0	4389.3	4391.1	4417.6	4389.3	4408.8	4428.3
20°	4640.8	4685.1	4658.5	4667.4	4651.4	4660.3	4669.2	4708.1	4663.8	4678.0	4672.7
22.5°	5012.8	5065.9	5037.6	5071.2	5060.6	5053.5	5051.8	5120.8	5051.8	5057.1	5005.7
25°	5554.8	5618.6	5569.0	5615.0	5615.0	5638.1	5664.6	5753.2	5638.1	5604.4	5471.5
27.5°	6355.4	6419.2	6321.8	6350.1	6341.3	6397.9	6369.6	6589.2	6465.3	6410.3	6142.9
30°	7319.0	7432.4	7248.2	7241.1	7232.2	7322.6	7363.3	7508.5	7382.8	7327.9	7005.5
32.5°	8360.5	8479.2	8259.6	8195.8	8162.2	8217.1	8183.4	8300.3	8213.5	8128.5	7730.0
35°	9462.3	9579.2	9370.2	9246.2	9111.6	8996.4	8876.0	8906.1	8824.6	8695.3	8282.6
37.5°	10503.8	10718.1	10496.7	10363.9	10115.9	9890.9	9554.4	9414.5	9338.3	9219.6	8803.4
40°	11564.8	11687.0	11518.8	11405.4	11136.2	10783.7	10245.2	9949.4	9846.7	9731.5	9379.0
42.5°	12346.0	12462.9	12372.5	12294.6	12083.8	11674.6	10978.5	10608.3	10459.5	10330.2	10030.9
45°	12965.9	13052.7	12996.0	13024.4	12934.0	12537.3	11738.4	11315.1	11161.0	11003.3	10767.7
47.5°	13215.7	13307.8	13398.1	13566.4	13720.5	13428.2	12555.0	12080.3	11917.3	11756.1	11524.1
50°	13187.3	13281.2	13543.4	13901.2	14379.4	14282.0	13415.8	12895.1	12744.5	12560.3	12346.0
52.5°	12960.6	13066.9	13403.4	13998.6	14760.3	14921.4	14292.6	13736.4	13594.7	13375.1	13160.8
55°	12365.5	12429.2	12934.0	13777.2	14850.6	15367.8	15151.7	14632.7	14491.0	14184.6	13950.8
57.5°	11261.9	11354.0	12089.1	13180.3	14623.9	15670.7	15906.3	15575.1	15438.7	14997.6	14753.2
60°	9821.9	9968.9	10810.3	12177.7	14046.4	15668.9	16591.8	16501.4	16388.1	15798.2	15543.2
62.5°	8192.3	8362.3	9171.8	10760.7	13036.8	15224.3	17020.4	17277.3	17218.8	16536.9	16211.0
65°	6291.7	6408.6	7214.5	8927.4	11465.6	14269.6	17070.0	17806.9	17817.5	17098.4	16559.9
67.5°	4189.1	4525.7	5225.3	6699.1	9361.3	12709.1	16634.3	17893.7	17996.4	17291.4	16384.5
70°	2044.1	2486.9	3172.4	4353.9	6699.1	10316.1	15495.3	17181.6	17410.1	16728.2	15339.5
72.5°	848.5	991.9	1365.7	2148.6	3845.5	6961.2	13206.8	15250.9	15674.2	14822.3	12896.8
75°	572.1	620.0	781.1	1101.7	1751.8	3432.8	9524.3	11371.8	12053.7	11194.6	9150.5
77.5°	441.1	471.2	568.6	770.5	1041.5	1298.4	5097.8	6853.2	7205.7	6670.7	4761.3
80°	347.2	370.2	425.1	561.5	738.6	694.4	1737.6	3105.1	3308.8	2775.6	1530.4
82.5°	301.1	310.0	304.7	380.8	490.7	405.6	570.4	1146.0	1264.7	917.5	499.5
85°	217.9	242.7	253.3	235.6	260.4	205.5	233.8	405.6	446.4	398.5	281.6
87.5°	88.6	131.1	161.2	152.3	95.7	58.5	72.6	118.7	136.4	148.8	92.1
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°	3739.2	3739.2	3739.2	3739.2	3739.2	3739.2	3739.2	3739.2	3739.2	3739.2	3739.2
2.5°	3742.8	3755.2	3764.0	3774.6	3781.7	3792.4	3813.6	3826.0	3827.8	3836.6	3834.9
5°	3776.4	3794.1	3813.6	3842.0	3873.8	3900.4	3941.1	3969.5	3980.1	3989.0	3987.2
7.5°	3849.0	3873.8	3909.3	3958.9	4004.9	4040.3	4089.9	4123.6	4157.2	4169.6	4171.4
10°	3957.1	3992.5	4043.9	4111.2	4160.8	4206.8	4258.2	4286.5	4320.2	4334.4	4341.5
12.5°	4091.7	4128.9	4196.2	4290.1	4336.1	4368.0	4385.7	4378.7	4385.7	4398.1	4401.7
15°	4245.8	4286.5	4362.7	4463.7	4495.6	4467.2	4428.3	4392.8	4387.5	4391.1	4403.5
17.5°	4428.3	4458.4	4546.9	4632.0	4608.9	4492.0	4407.0	4350.3	4322.0	4313.1	4325.5
20°	4683.3	4683.3	4755.9	4809.1	4655.0	4456.6	4323.7	4231.6	4173.2	4148.4	4143.1
22.5°	4993.3	4965.0	5011.0	4973.8	4646.1	4357.4	4173.2	4013.8	3925.2	3889.8	3884.5
25°	5386.5	5352.9	5340.5	5110.2	4582.4	4199.8	3900.4	3707.3	3629.4	3609.9	3613.5
27.5°	5979.9	5894.9	5733.7	5184.6	4465.5	3951.8	3581.6	3402.7	3358.4	3360.2	3365.5
30°	6769.9	6599.9	6204.9	5197.0	4274.2	3601.1	3255.7	3128.1	3106.9	3115.7	3145.8
32.5°	7501.5	7340.3	6686.7	5140.3	3980.1	3257.4	2963.4	2878.4	2846.5	2857.1	2871.3
35°	8075.4	8031.1	7133.0	5060.6	3618.8	2935.0	2701.2	2628.6	2566.6	2552.4	2563.1
37.5°	8617.4	8599.7	7467.8	4949.0	3261.0	2706.5	2490.4	2394.8	2304.5	2254.9	2256.6
40°	9212.5	9194.8	7687.4	4777.2	2943.9	2508.2	2300.9	2175.2	2063.6	1973.2	1982.1
42.5°	9882.1	9777.6	7792.0	4531.0	2674.7	2339.9	2146.8	1976.8	1829.8	1746.5	1751.8
45°	10613.6	10378.1	7790.2	4217.5	2447.9	2185.8	1982.1	1741.2	1604.8	1526.9	1523.3
47.5°	11389.5	10952.0	7694.5	3870.3	2228.3	2015.7	1727.0	1542.8	1452.5	1404.6	1394.0
50°	12190.1	11488.7	7531.6	3471.8	2003.3	1822.7	1567.6	1441.8	1372.8	1328.5	1312.5
52.5°	12942.9	11975.8	7335.0	3020.1	1774.8	1634.9	1496.7	1399.3	1326.7	1277.1	1255.9
55°	13642.6	12395.6	7056.9	2557.8	1588.9	1509.1	1463.1	1381.6	1298.4	1239.9	1216.9
57.5°	14264.3	12668.3	6576.8	2123.8	1456.0	1422.4	1427.7	1351.5	1255.9	1206.3	1174.4
60°	14781.5	12868.5	5866.6	1721.7	1348.0	1337.3	1372.8	1294.8	1183.2	1126.5	1101.7
62.5°	15091.5	12865.0	4995.1	1410.0	1255.9	1259.4	1300.1	1224.0	1110.6	1057.5	1041.5
65°	15064.9	12549.7	4038.6	1206.3	1167.3	1170.8	1224.0	1146.0	1050.4	1018.5	1016.7
67.5°	14531.8	11780.9	3098.0	1073.4	1069.9	1085.8	1147.8	1092.9	1013.2	1009.6	1015.0
70°	13088.1	10185.0	2231.8	967.1	968.9	991.9	1073.4	1059.2	993.7	1000.8	999.0
72.5°	10495.0	7765.4	1498.5	855.5	857.3	894.5	1002.6	1032.7	974.2	1068.1	1082.3
75°	6989.6	4842.7	963.6	736.9	738.6	786.5	940.6	981.3	921.1	1064.6	1073.4
77.5°	3358.4	2176.9	697.9	620.0	620.0	664.2	813.0	878.6	784.7	827.2	758.1
80°	1160.2	818.3	549.1	499.5	488.9	519.0	685.5	761.7	676.6	623.5	584.5
82.5°	457.0	425.1	441.1	387.9	352.5	372.0	533.2	628.8	497.7	449.9	448.1
85°	262.2	276.3	311.7	256.8	203.7	228.5	391.5	451.7	375.5	331.2	338.3
87.5°	70.9	97.4	143.5	132.8	92.1	97.4	186.0	249.8	216.1	166.5	171.8
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)