

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: P953775

Luminaire Tested: **GALN-SB7B-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7B-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33017 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 256.7
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

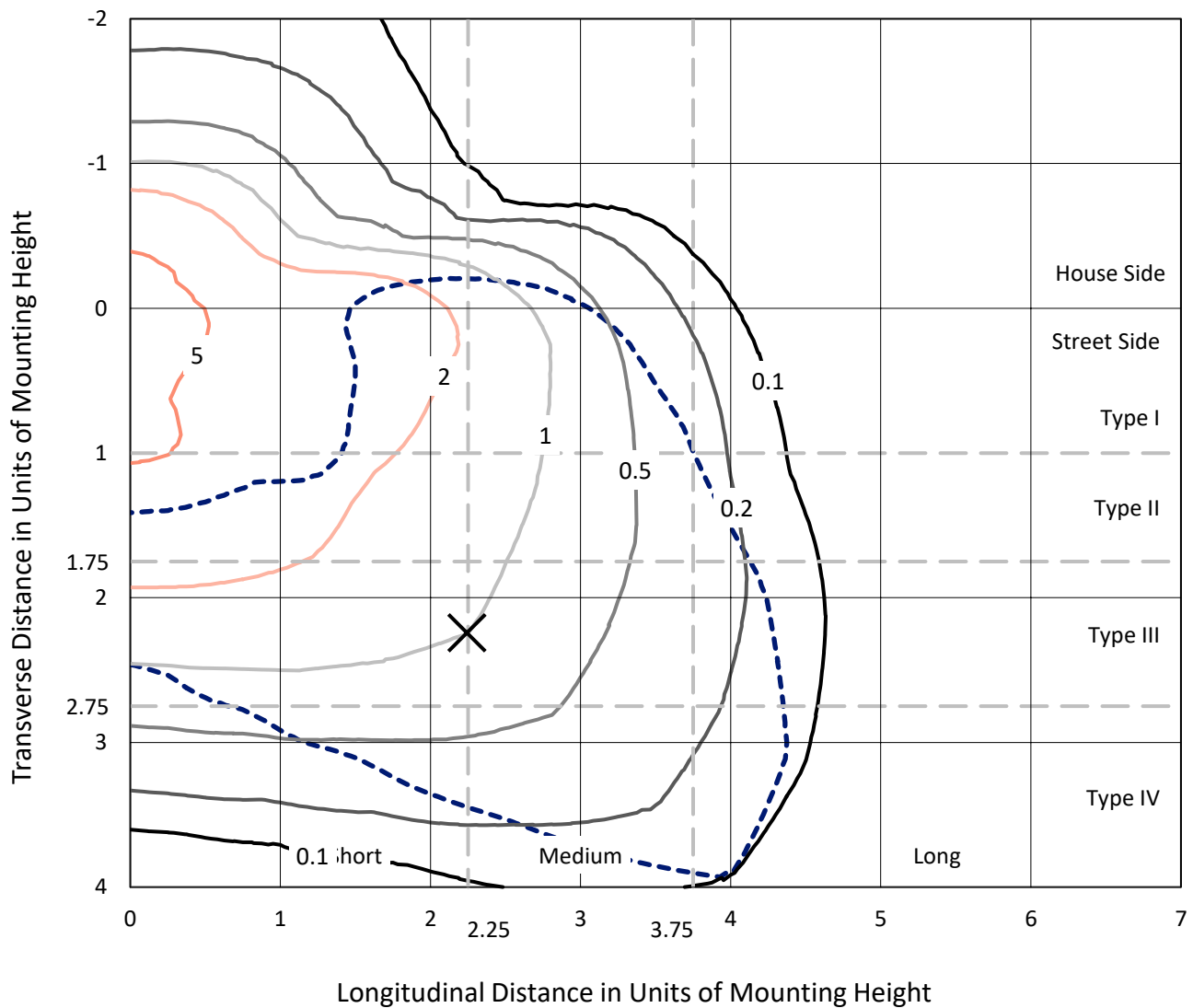


REPORT NUMBER: P953775

CATALOG NUMBER: GALN-SB7B-722-U-T4W

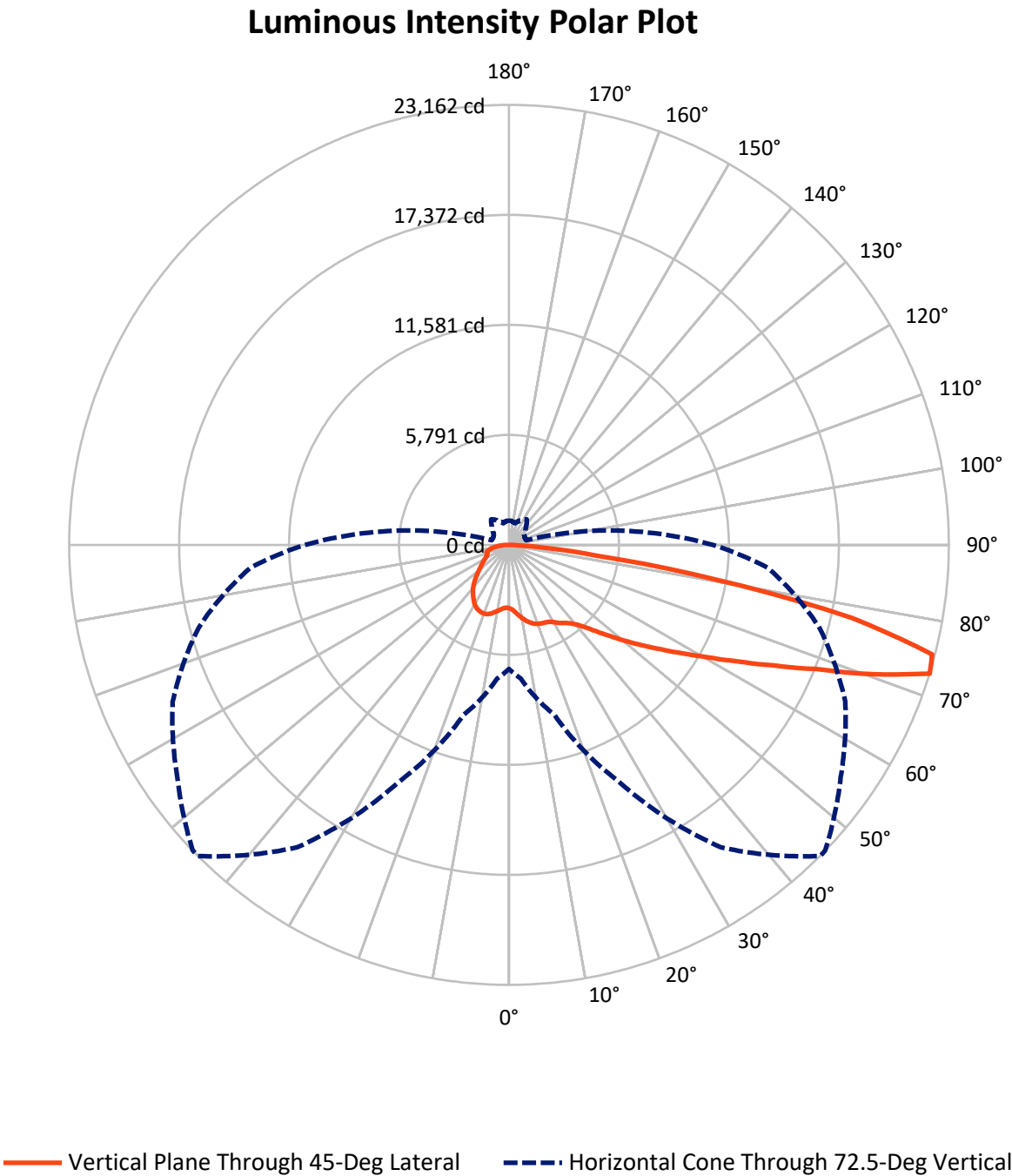
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P953775
CATALOG NUMBER: GALN-SB7B-722-U-T4W



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7464.0	0.0	7464.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	25553.0	0.0	25553.0
	% Fixture	77.4	0.0	77.4
Total	Lumens	33017.0	0.0	33017.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.0	1.0
10°-20°	1130.3	3.4
20°-30°	1966.2	6.0
30°-40°	2818.7	8.5
40°-50°	3968.8	12.0
50°-60°	6079.1	18.4
60°-70°	8806.5	26.7
70°-80°	7032.5	21.3
80°-90°	875.9	2.7
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°	33017.0	100.0
0°-180°	33017.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953775

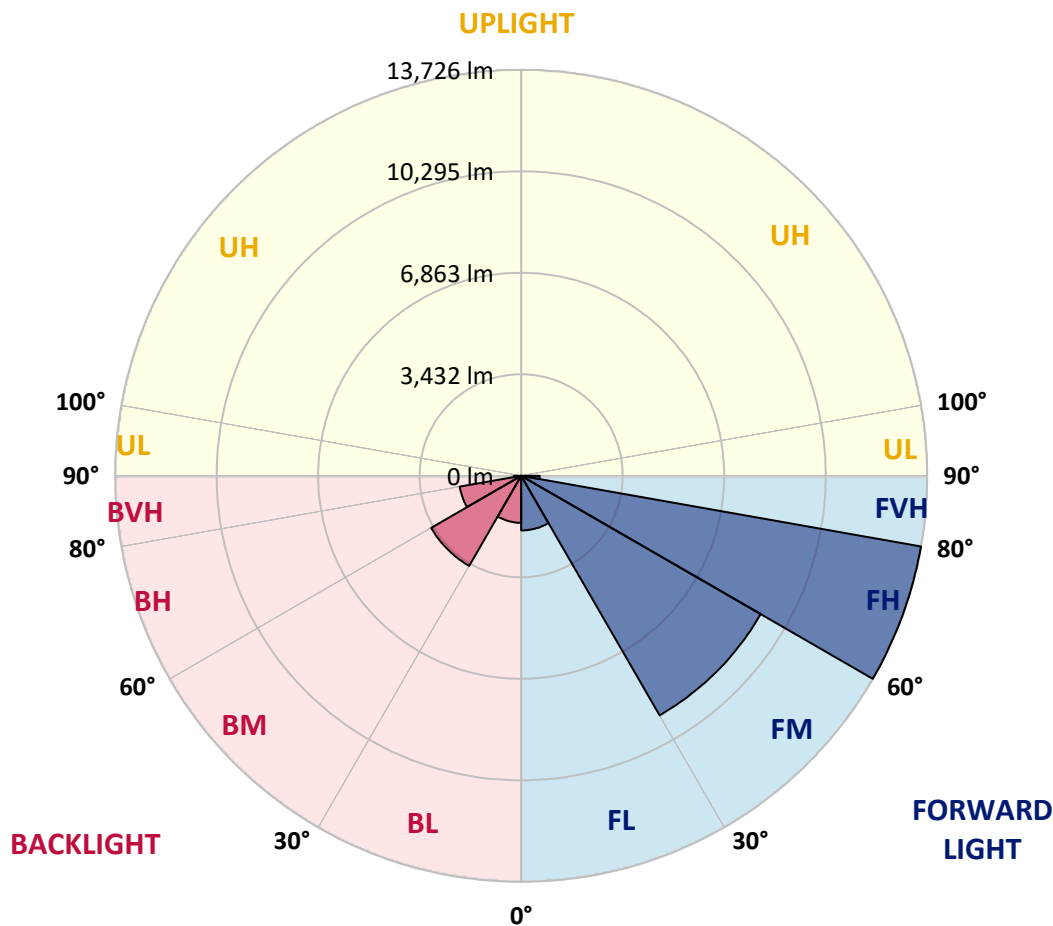
CATALOG NUMBER: GALN-SB7B-722-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1846.4	5.6			
FM	(30°-60°)	9352.1	28.3			
FH	(60°-80°)	13726.1	41.6			G5
FVH	(80°-90°)	628.4	1.9			G4/750
BL	(0°-30°)	1589.1	4.8	B3/2500		
BM	(30°-60°)	3514.5	10.6	B3/5000		
BH	(60°-80°)	2112.9	6.4	B3/2500		G3/2500
BVH	(80°-90°)	247.5	0.7			G3/500
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: P953775

CATALOG NUMBER: GALN-SB7B-722-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3330.8	3330.8	3330.8	3330.8	3330.8	3330.8	3330.8	3330.8	3330.8	3330.8	3330.8
2.5°	3461.2	3483.8	3463.0	3443.8	3435.1	3412.5	3410.8	3396.9	3388.2	3363.8	3356.9
5°	3703.0	3732.6	3697.8	3659.5	3624.7	3569.1	3562.1	3522.1	3476.9	3424.7	3395.1
7.5°	3976.1	4002.1	3962.1	3904.7	3843.9	3751.7	3749.9	3676.9	3605.6	3516.9	3466.4
10°	4214.3	4249.1	4195.2	4116.9	4040.4	3936.1	3923.9	3840.4	3749.9	3635.2	3558.6
12.5°	4424.8	4449.1	4397.0	4301.3	4212.6	4108.2	4092.6	4000.4	3899.5	3769.1	3671.7
15°	4591.8	4623.1	4553.5	4450.9	4357.0	4254.3	4240.4	4156.9	4056.1	3918.7	3793.4
17.5°	4701.3	4727.4	4656.1	4541.3	4450.9	4365.7	4355.2	4285.7	4196.9	4057.8	3923.9
20°	4743.1	4770.9	4696.1	4579.6	4496.1	4430.0	4424.8	4374.4	4313.5	4186.5	4050.8
22.5°	4784.8	4810.9	4713.5	4591.8	4518.7	4477.0	4475.2	4442.2	4417.8	4313.5	4181.3
25°	4953.5	4960.5	4830.1	4654.4	4550.0	4513.5	4511.8	4510.0	4520.5	4438.7	4322.2
27.5°	5099.6	5097.9	4986.6	4821.4	4659.6	4583.1	4581.3	4598.7	4631.8	4563.9	4468.3
30°	5313.6	5294.5	5162.3	4990.1	4842.2	4724.0	4713.5	4697.9	4724.0	4670.0	4614.4
32.5°	5767.5	5706.7	5492.7	5186.6	4993.6	4903.1	4889.2	4791.8	4802.2	4769.2	4741.4
35°	6418.0	6338.0	6052.8	5558.8	5181.4	5052.7	5045.7	4922.2	4901.4	4871.8	4882.2
37.5°	7192.0	7092.9	6760.7	6098.0	5504.9	5226.6	5216.2	5104.9	5019.6	4988.3	5047.5
40°	7969.5	7844.3	7569.5	6755.5	5981.5	5517.1	5484.0	5315.3	5217.9	5165.7	5291.0
42.5°	8724.4	8620.0	8385.2	7492.9	6569.4	5941.5	5868.4	5579.7	5506.6	5457.9	5684.1
45°	9392.3	9298.3	9126.1	8280.8	7258.1	6518.9	6447.6	5976.3	5953.6	5953.6	6280.6
47.5°	9934.9	9914.0	9731.4	9084.4	8070.4	7176.4	7052.9	6527.6	6588.5	6682.4	7127.7
50°	10536.7	10479.3	10284.5	9875.8	9025.3	7929.5	7828.6	7204.2	7432.1	7689.5	8352.2
52.5°	11089.8	11121.1	10903.7	10700.2	10103.6	8769.6	8592.2	8002.6	8494.8	8920.9	9787.1
55°	11658.6	11660.3	11599.4	11571.6	11234.2	9698.4	9503.6	8962.6	9745.3	10274.1	11460.3
57.5°	12192.5	12196.0	12286.5	12531.7	12545.6	10769.8	10548.9	10141.9	11135.0	11674.2	13185.7
60°	12669.1	12693.5	12940.4	13514.4	13698.8	11997.7	11789.0	11535.1	12571.7	13114.4	14999.8
62.5°	12829.1	12917.8	13467.5	14283.2	14838.0	13504.0	13298.7	13147.4	14081.4	14585.8	16516.5
65°	12557.8	12761.3	13824.0	14918.0	16010.3	15293.7	15090.2	14925.0	15650.3	16125.1	17761.8
67.5°	11891.6	12154.3	13803.1	15584.2	17433.1	17447.0	17257.4	16869.5	17332.2	17514.8	18167.1
70°	10136.7	10529.8	12587.4	15832.9	19066.3	20391.6	20209.0	19210.6	19010.6	18127.1	17026.1
72.5°	6531.1	7059.8	9268.8	13785.7	19429.8	23162.3	23151.9	21323.9	19541.1	16937.4	13655.3
75°	2382.9	2706.4	4306.5	8653.1	16309.5	23021.5	23089.3	20962.1	17838.3	13083.1	8506.9
77.5°	867.9	949.7	1405.4	3325.6	10030.6	18471.4	18612.3	16758.2	12696.9	6565.9	3370.8
80°	455.7	500.9	720.1	1290.6	4297.8	10969.8	11190.7	9959.3	5967.6	1977.6	1010.5
82.5°	252.2	273.1	403.5	700.9	1935.8	4690.9	4823.1	3934.3	2099.3	838.3	417.4
85°	135.7	144.4	189.6	382.6	946.2	1626.3	1662.8	1175.8	836.6	492.2	201.8
87.5°	40.0	48.7	62.6	121.8	370.5	365.3	374.0	233.1	330.5	248.7	66.1
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: P953775

CATALOG NUMBER: GALN-SB7B-722-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3330.8	3330.8	3330.8	3330.8	3330.8	3330.8	3330.8	3330.8	3330.8	3330.8	3330.8
2.5°	3346.4	3341.2	3322.1	3313.4	3302.9	3301.2	3309.9	3311.6	3313.4	3315.1	3322.1
5°	3377.7	3360.3	3342.9	3332.5	3336.0	3337.7	3355.1	3367.3	3376.0	3383.0	3386.4
7.5°	3438.6	3424.7	3395.1	3393.4	3398.6	3414.3	3436.9	3464.7	3480.4	3492.5	3496.0
10°	3529.1	3503.0	3468.2	3473.4	3483.8	3506.4	3553.4	3576.0	3602.1	3624.7	3619.5
12.5°	3621.2	3598.6	3558.6	3562.1	3579.5	3619.5	3664.7	3692.5	3709.9	3727.3	3734.3
15°	3741.2	3701.2	3657.8	3657.8	3689.1	3732.6	3753.4	3776.0	3786.5	3805.6	3812.6
17.5°	3864.7	3812.6	3755.2	3751.7	3789.9	3810.8	3823.0	3826.5	3830.0	3850.8	3857.8
20°	3988.2	3930.8	3849.1	3842.1	3850.8	3847.3	3845.6	3842.1	3847.3	3873.4	3883.9
22.5°	4110.0	4043.9	3930.8	3899.5	3875.2	3842.1	3840.4	3838.7	3842.1	3868.2	3885.6
25°	4252.6	4172.6	4021.3	3927.4	3845.6	3800.4	3805.6	3807.3	3810.8	3831.7	3859.5
27.5°	4407.4	4318.7	4104.8	3918.7	3770.8	3739.5	3730.8	3736.0	3748.2	3781.3	3814.3
30°	4562.2	4457.8	4181.3	3883.9	3676.9	3633.4	3605.6	3617.8	3656.0	3689.1	3725.6
32.5°	4703.1	4598.7	4242.2	3807.3	3556.9	3489.0	3452.5	3468.2	3506.4	3518.6	3562.1
35°	4868.3	4750.0	4268.3	3685.6	3426.4	3322.1	3273.4	3250.8	3269.9	3257.7	3296.0
37.5°	5052.7	4929.2	4264.8	3525.6	3273.4	3153.4	3085.5	3000.3	2960.3	2918.6	2944.6
40°	5325.8	5148.3	4223.0	3332.5	3083.8	2974.2	2852.5	2708.1	2617.7	2535.9	2541.1
42.5°	5698.0	5452.7	4146.5	3120.3	2869.9	2767.2	2602.0	2433.3	2290.7	2155.0	2142.8
45°	6252.8	5851.0	4050.8	2894.2	2638.5	2537.6	2358.5	2168.9	2007.2	1833.2	1812.4
47.5°	7052.9	6386.7	3960.4	2636.8	2395.0	2302.8	2141.1	1965.4	1774.1	1605.4	1586.2
50°	8152.1	7155.5	3876.9	2386.3	2155.0	2085.4	1956.7	1777.6	1584.5	1448.8	1440.1
52.5°	9550.5	8200.8	3842.1	2144.6	1930.6	1904.5	1801.9	1634.9	1452.3	1337.5	1328.8
55°	11155.9	9451.4	3842.1	1913.2	1734.1	1742.8	1671.5	1516.7	1358.4	1255.8	1245.3
57.5°	12794.3	10717.6	3772.6	1699.3	1567.1	1603.6	1558.4	1422.8	1280.1	1174.0	1156.6
60°	14304.1	11778.6	3490.8	1504.5	1419.3	1476.7	1447.1	1330.6	1156.6	1067.9	1054.0
62.5°	15464.2	12376.9	2948.1	1349.7	1297.5	1363.6	1348.0	1208.8	1134.0	1097.5	1085.3
65°	16045.1	12279.5	2254.1	1212.3	1194.9	1297.5	1264.5	1259.3	1200.1	1158.4	1144.5
67.5°	15688.5	11441.2	1634.9	1111.4	1135.8	1236.6	1363.6	1384.5	1274.9	1193.2	1179.3
70°	14124.9	9924.5	1217.5	1015.8	1061.0	1238.4	1554.9	1448.8	1250.6	1154.9	1139.2
72.5°	10745.4	7400.8	944.4	914.9	963.6	1247.1	1640.2	1419.3	1181.0	1276.7	1266.2
75°	6145.0	4063.0	758.3	791.4	841.8	1165.3	1596.7	1342.7	1127.1	1172.3	1172.3
77.5°	2342.8	1561.9	626.2	669.6	676.6	1017.5	1527.1	1337.5	1073.2	1047.1	954.9
80°	812.3	610.5	518.3	532.2	523.5	904.4	1464.5	1163.6	878.3	786.2	760.1
82.5°	332.2	304.4	410.5	393.1	372.2	702.7	1182.7	951.4	718.3	634.8	627.9
85°	144.4	193.1	271.3	238.3	215.7	487.0	947.9	805.3	607.0	523.5	521.8
87.5°	29.6	73.1	114.8	107.8	111.3	325.3	673.1	572.2	429.6	321.8	252.2
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)