

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: P942307

Luminaire Tested: **GALN-SB6B-730-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942307
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-SB6B-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34170 lumens
Efficiency: N/A
Efficacy: 155.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 220.4
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



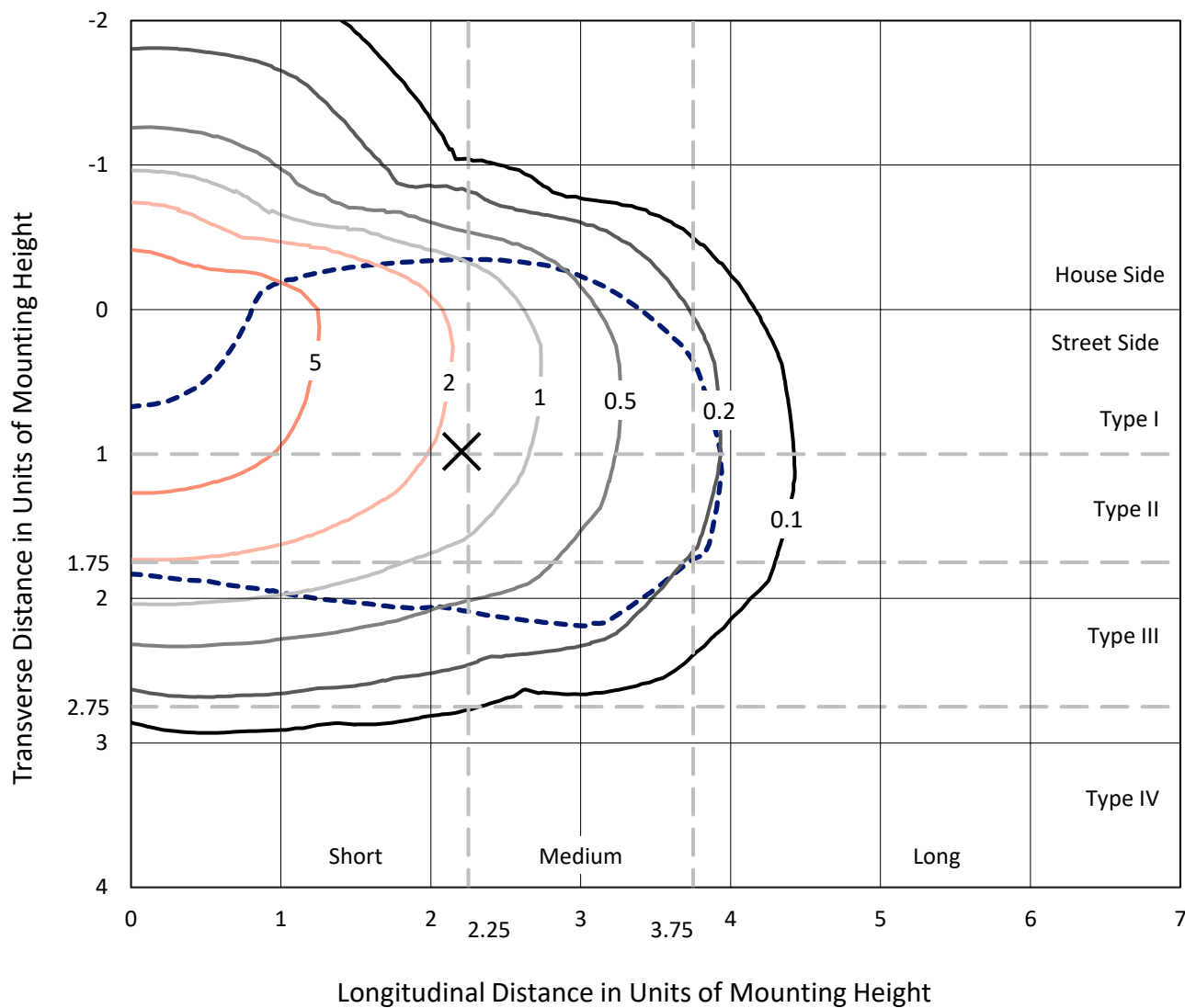
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

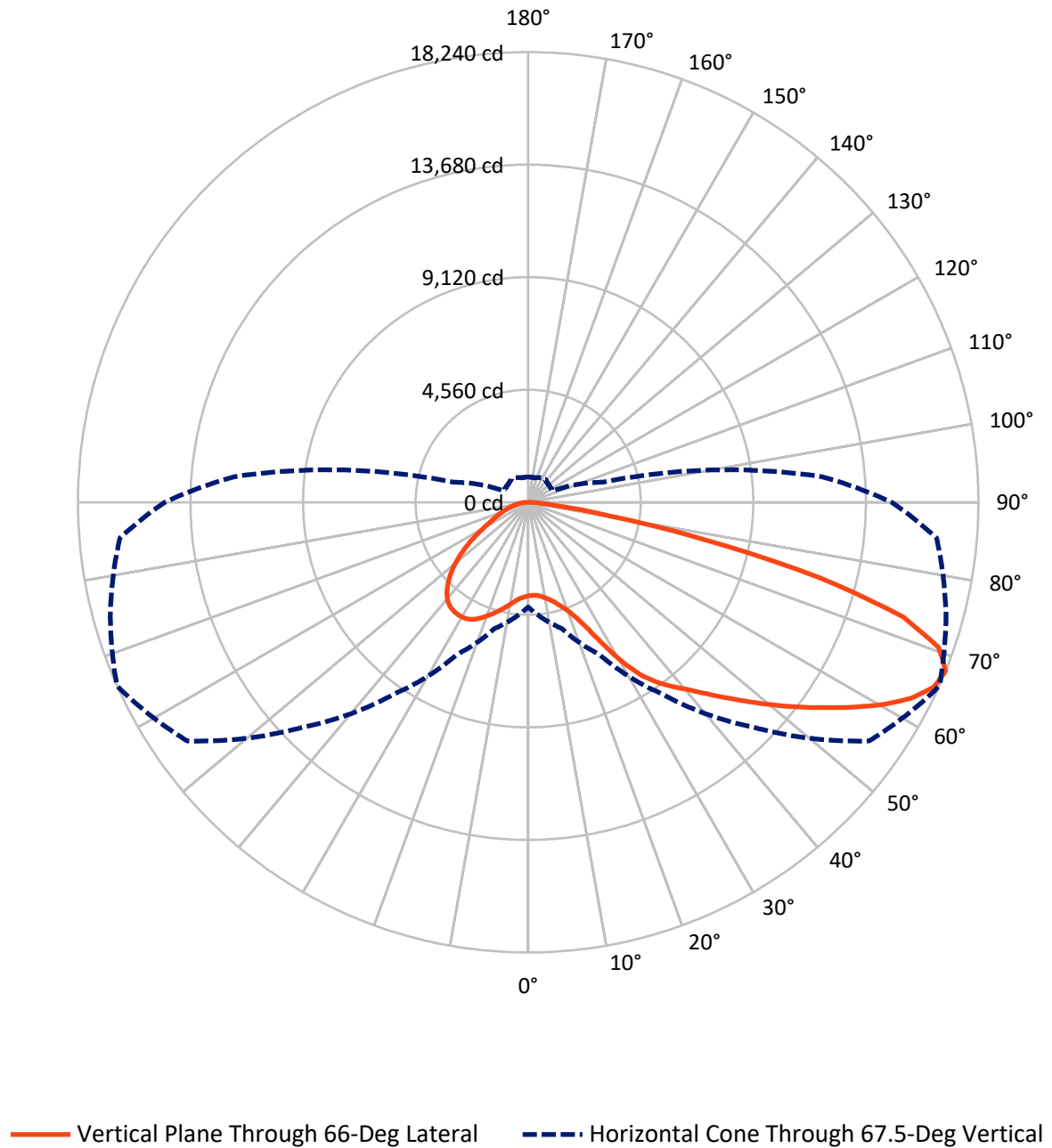


Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8496.3	0.0	8496.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	25673.7	0.0	25673.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	34170.0	0.0	34170.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.8	1.1
10°-20°	1241.4	3.6
20°-30°	2392.8	7.0
30°-40°	4195.5	12.3
40°-50°	6237.3	18.3
50°-60°	7906.4	23.1
60°-70°	7736.2	22.6
70°-80°	3690.2	10.8
80°-90°	394.4	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°	34170.0	100.0
0°-180°	34170.0	100.0

Coefficient of Utilization



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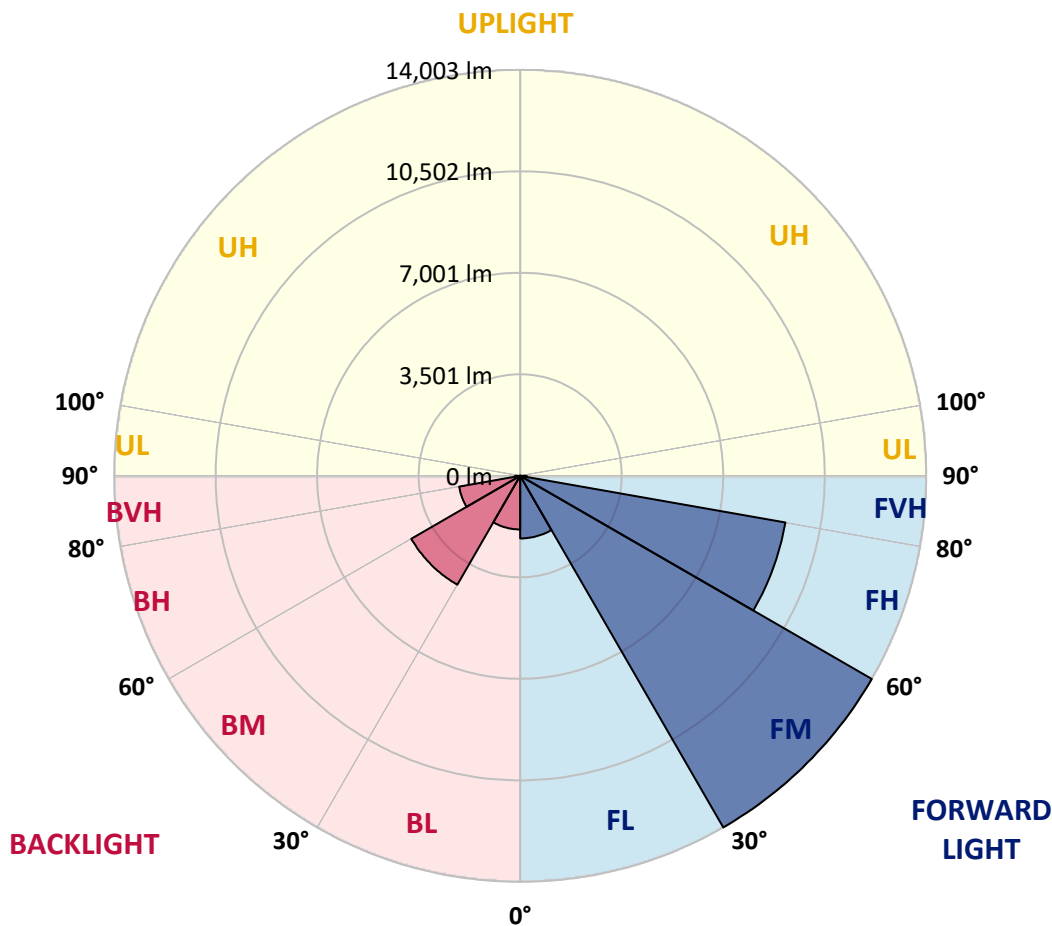
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2159.2	6.3			
FM	(30°-60°)	14002.6	41.0			
FH	(60°-80°)	9288.3	27.2			G4/12000
FVH	(80°-90°)	223.6	0.7			G2/225
BL	(0°-30°)	1850.8	5.4	B3/2500		
BM	(30°-60°)	4336.6	12.7	B3/5000		
BH	(60°-80°)	2138.1	6.3	B3/2500		G3/2500
BVH	(80°-90°)	170.8	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°	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9
2.5°	3750.4	3772.0	3766.6	3757.6	3755.8	3759.4	3764.8	3770.2	3768.4	3777.3	3791.7
5°	3739.6	3761.2	3759.4	3759.4	3766.6	3780.9	3789.9	3798.9	3789.9	3800.7	3820.4
7.5°	3746.8	3763.0	3770.2	3777.3	3795.3	3822.2	3843.8	3863.5	3852.7	3865.3	3890.4
10°	3838.4	3850.9	3858.1	3858.1	3870.7	3901.2	3922.8	3958.7	3949.7	3969.4	4001.8
12.5°	4005.3	4017.9	4017.9	4010.7	4019.7	4039.5	4046.6	4086.1	4070.0	4102.3	4134.6
15°	4210.0	4235.1	4215.4	4202.8	4206.4	4226.2	4224.4	4254.9	4238.7	4265.7	4294.4
17.5°	4436.2	4468.5	4436.2	4434.4	4427.2	4448.8	4450.6	4477.5	4448.8	4468.5	4488.3
20°	4703.7	4748.6	4721.7	4730.6	4714.5	4723.5	4732.4	4771.9	4727.1	4741.4	4736.0
22.5°	5080.7	5134.6	5105.9	5140.0	5129.2	5122.0	5120.2	5190.2	5120.2	5125.6	5073.6
25°	5630.1	5694.7	5644.5	5691.1	5691.1	5714.5	5741.4	5831.2	5714.5	5680.4	5545.7
27.5°	6441.6	6506.2	6407.5	6436.2	6427.2	6484.7	6455.9	6678.6	6552.9	6497.2	6226.1
30°	7418.2	7533.1	7346.4	7339.2	7330.3	7421.8	7463.1	7610.3	7482.9	7427.2	7100.5
32.5°	8473.9	8594.2	8371.5	8306.9	8272.8	8328.5	8294.3	8412.8	8324.9	8238.7	7834.7
35°	9590.6	9709.0	9497.2	9371.5	9235.1	9118.4	8996.3	9026.8	8944.2	8813.2	8394.9
37.5°	10646.2	10863.4	10639.0	10504.4	10253.0	10025.0	9683.9	9542.1	9464.9	9344.6	8922.7
40°	11721.6	11845.5	11674.9	11560.0	11287.1	10929.9	10384.1	10084.3	9980.1	9863.4	9506.2
42.5°	12513.3	12631.8	12540.3	12461.3	12247.6	11832.9	11127.3	10752.1	10601.3	10470.3	10166.9
45°	13141.7	13229.7	13172.2	13200.9	13109.4	12707.2	11897.5	11468.5	11312.3	11152.5	10913.7
47.5°	13394.8	13488.2	13579.7	13750.3	13906.5	13610.3	12725.2	12244.0	12078.9	11915.5	11680.3
50°	13366.1	13461.3	13727.0	14089.6	14574.3	14475.6	13597.7	13069.9	12917.3	12730.6	12513.3
52.5°	13136.3	13244.0	13585.1	14188.4	14960.3	15123.7	14486.4	13922.6	13779.0	13556.4	13339.2
55°	12533.1	12597.7	13109.4	13963.9	15051.9	15576.1	15357.1	14831.1	14687.5	14376.9	14139.9
57.5°	11414.6	11508.0	12253.0	13358.9	14822.1	15883.1	16121.9	15786.2	15647.9	15200.9	14953.2
60°	9955.0	10104.0	10956.8	12342.8	14236.8	15881.3	16816.7	16725.1	16610.2	16012.4	15753.9
62.5°	8303.3	8475.7	9296.1	10906.5	13213.5	15430.7	17251.2	17511.5	17452.2	16761.0	16430.7
65°	6376.9	6495.4	7312.3	9048.4	11621.1	14463.0	17301.4	18048.3	18059.0	17330.2	16784.4
67.5°	4245.9	4587.0	5296.2	6789.9	9488.2	12881.4	16859.8	18136.2	18240.4	17525.8	16606.6
70°	2071.8	2520.6	3215.4	4412.9	6789.9	10455.9	15705.4	17414.5	17646.1	16954.9	15547.4
72.5°	860.0	1005.4	1384.2	2177.7	3897.6	7055.6	13385.8	15457.6	15886.7	15023.2	13071.7
75°	579.9	628.4	791.7	1116.7	1775.6	3479.3	9653.4	11525.9	12217.1	11346.4	9274.6
77.5°	447.0	477.6	576.3	781.0	1055.6	1316.0	5166.9	6946.1	7303.3	6761.1	4825.8
80°	351.9	375.2	430.9	569.1	748.6	703.8	1761.2	3147.2	3353.6	2813.3	1551.1
82.5°	305.2	314.2	308.8	386.0	497.3	411.1	578.1	1161.6	1281.9	930.0	506.3
85°	220.8	246.0	256.7	238.8	263.9	208.3	237.0	411.1	452.4	403.9	285.5
87.5°	89.8	132.9	163.4	154.4	96.9	59.2	73.6	120.3	138.2	150.8	93.4
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°	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9	3789.9
2.5°	3793.5	3806.1	3815.0	3825.8	3833.0	3843.8	3865.3	3877.9	3879.7	3888.6	3886.9
5°	3827.6	3845.6	3865.3	3894.0	3926.3	3953.3	3994.6	4023.3	4034.1	4043.0	4041.2
7.5°	3901.2	3926.3	3962.3	4012.5	4059.2	4095.1	4145.4	4179.5	4213.6	4226.2	4228.0
10°	4010.7	4046.6	4098.7	4166.9	4217.2	4263.9	4315.9	4344.7	4378.8	4393.1	4400.3
12.5°	4147.2	4184.9	4253.1	4348.2	4394.9	4427.2	4445.2	4438.0	4445.2	4457.8	4461.4
15°	4303.4	4344.7	4421.9	4524.2	4556.5	4527.8	4488.3	4452.4	4447.0	4450.6	4463.1
17.5°	4488.3	4518.8	4608.6	4694.7	4671.4	4552.9	4466.7	4409.3	4380.6	4371.6	4384.2
20°	4746.8	4746.8	4820.4	4874.3	4718.1	4517.0	4382.4	4289.0	4229.8	4204.6	4199.2
22.5°	5061.0	5032.3	5078.9	5041.2	4709.1	4416.5	4229.8	4068.2	3978.4	3942.5	3937.1
25°	5459.5	5425.4	5412.9	5179.5	4644.5	4256.7	3953.3	3757.6	3678.6	3658.8	3662.4
27.5°	6061.0	5974.8	5811.4	5254.9	4526.0	4005.3	3630.1	3448.8	3403.9	3405.7	3411.1
30°	6861.7	6689.3	6289.0	5267.4	4332.1	3649.9	3299.8	3170.5	3149.0	3158.0	3188.5
32.5°	7603.1	7439.8	6777.3	5210.0	4034.1	3301.6	3003.6	2917.4	2885.1	2895.8	2910.2
35°	8184.8	8139.9	7229.7	5129.2	3667.8	2974.8	2737.9	2664.2	2601.4	2587.0	2597.8
37.5°	8734.2	8716.2	7569.0	5016.1	3305.2	2743.2	2524.2	2427.3	2335.7	2285.4	2287.2
40°	9337.4	9319.5	7791.7	4842.0	2983.8	2542.2	2332.1	2204.6	2091.5	2000.0	2009.0
42.5°	10016.0	9910.1	7897.6	4592.4	2710.9	2371.6	2175.9	2003.6	1854.6	1770.2	1775.6
45°	10757.5	10518.7	7895.8	4274.6	2481.1	2215.4	2009.0	1764.8	1626.6	1547.6	1544.0
47.5°	11543.9	11100.4	7798.8	3922.8	2258.5	2043.1	1750.4	1563.7	1472.2	1423.7	1412.9
50°	12355.3	11644.4	7633.7	3518.8	2030.5	1847.4	1588.9	1461.4	1391.4	1346.5	1330.3
52.5°	13118.3	12138.1	7434.4	3061.0	1798.9	1657.1	1517.0	1418.3	1344.7	1294.4	1272.9
55°	13827.5	12563.6	7152.5	2592.4	1610.4	1529.6	1482.9	1400.3	1316.0	1256.7	1233.4
57.5°	14457.7	12840.1	6666.0	2152.6	1475.7	1441.6	1447.0	1369.8	1272.9	1222.6	1190.3
60°	14981.9	13042.9	5946.1	1745.0	1366.2	1355.5	1391.4	1312.4	1199.3	1141.8	1116.7
62.5°	15296.1	13039.4	5062.8	1429.1	1272.9	1276.5	1317.8	1240.6	1125.7	1071.8	1055.6
65°	15269.1	12719.8	4093.3	1222.6	1183.1	1186.7	1240.6	1161.6	1064.6	1032.3	1030.5
67.5°	14728.7	11940.6	3140.0	1088.0	1084.4	1100.5	1163.4	1107.7	1026.9	1023.3	1028.7
70°	13265.6	10323.0	2262.1	980.2	982.0	1005.4	1088.0	1073.6	1007.2	1014.4	1012.6
72.5°	10637.2	7870.6	1518.8	867.1	868.9	906.6	1016.1	1046.7	987.4	1082.6	1096.9
75°	7084.3	4908.4	976.6	746.8	748.6	797.1	953.3	994.6	933.6	1079.0	1088.0
77.5°	3403.9	2206.4	707.4	628.4	628.4	673.2	824.0	890.5	795.3	838.4	768.4
80°	1175.9	829.4	556.5	506.3	495.5	526.0	694.8	772.0	685.8	631.9	592.5
82.5°	463.2	430.9	447.0	393.2	357.3	377.0	540.4	637.3	504.5	456.0	454.2
85°	265.7	280.1	316.0	260.3	206.5	231.6	396.8	457.8	380.6	335.7	342.9
87.5°	71.8	98.7	145.4	134.6	93.4	98.7	188.5	253.1	219.0	168.8	174.1
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)