

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: P942626

Luminaire Tested: **GALN-SB6D-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942626
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-SB6D-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA 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: 39979 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 440.1
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

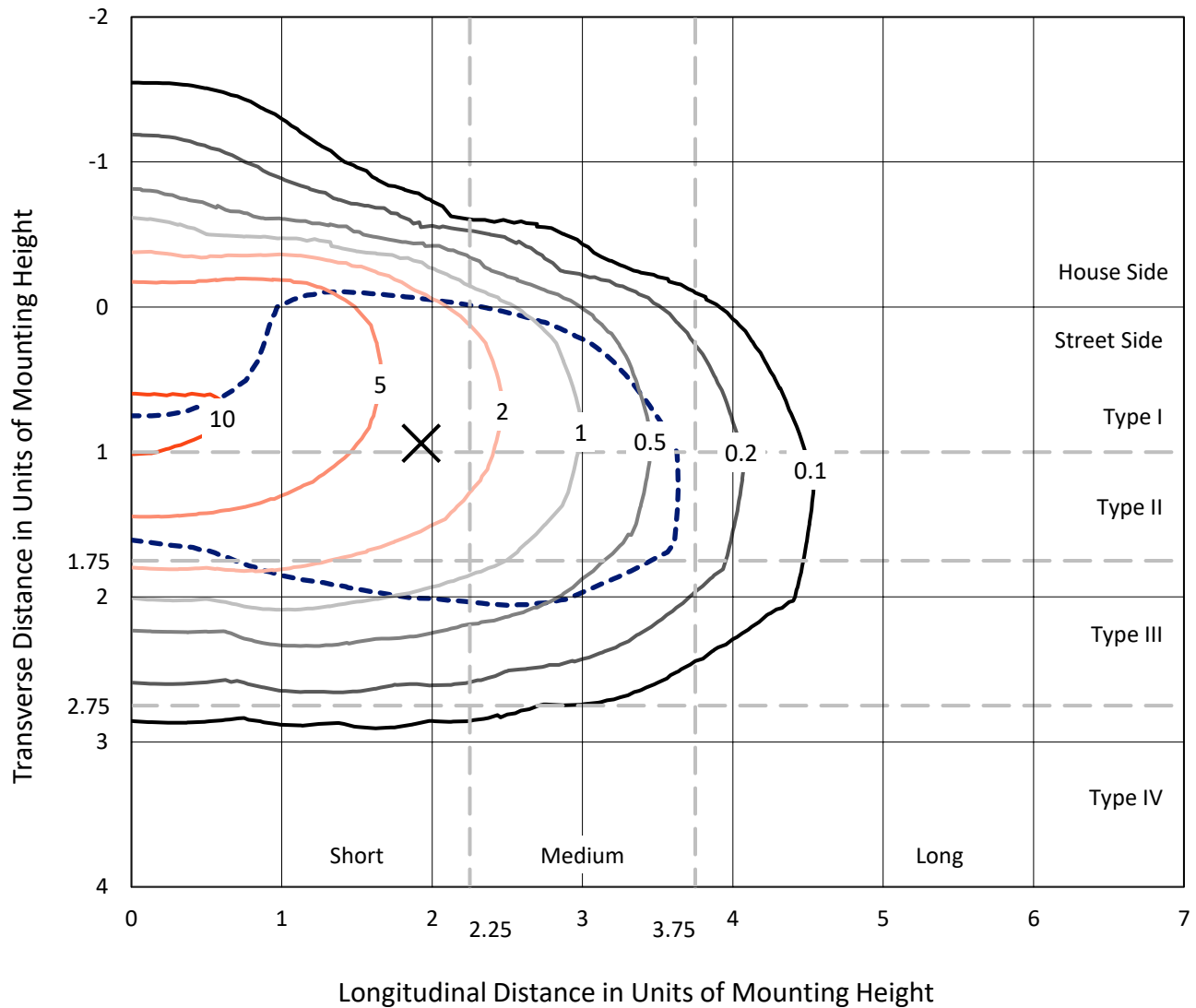


REPORT NUMBER: P942626

CATALOG NUMBER: GALN-SB6D-722-U-T3-HSS

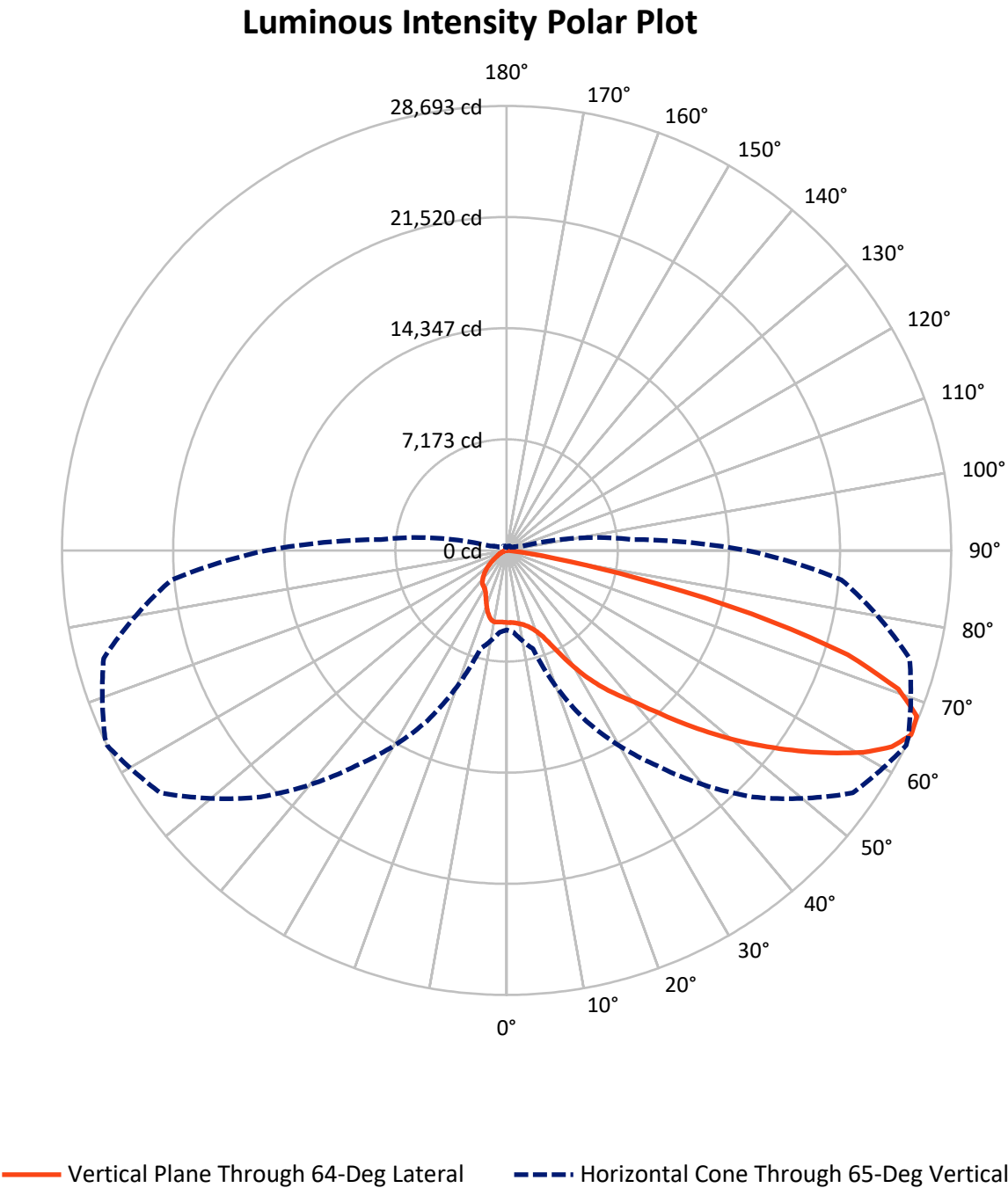
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
Type III - Short - N/A

REPORT NUMBER: P942626
CATALOG NUMBER: GALN-SB6D-722-U-T3-HSS



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5346.4	0.0	5346.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	34632.6	0.0	34632.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	39979.0	0.0	39979.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.0	1.1
10°-20°	1163.6	2.9
20°-30°	2204.9	5.5
30°-40°	4461.7	11.2
40°-50°	7600.5	19.0
50°-60°	10336.1	25.9
60°-70°	9706.1	24.3
70°-80°	3888.7	9.7
80°-90°	188.4	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°	39979.0	100.0
0°-180°	39979.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942626

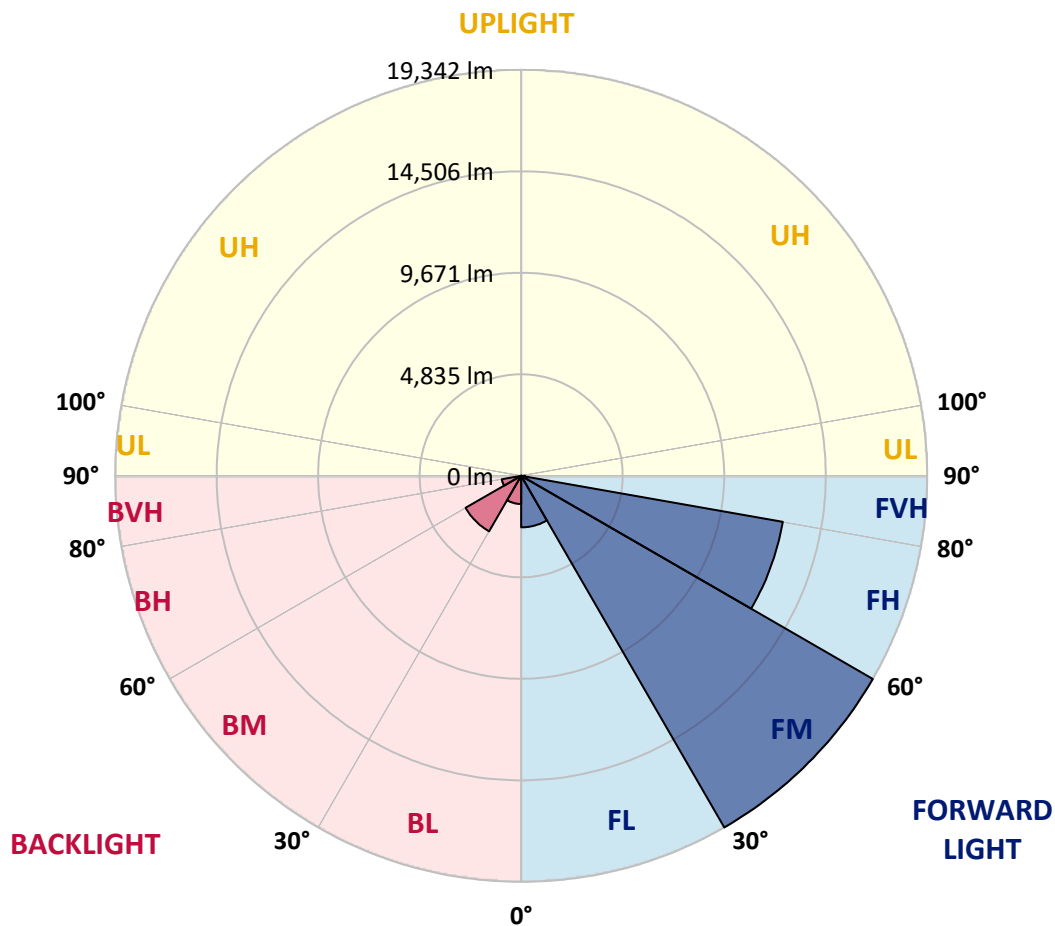
CATALOG NUMBER: GALN-SB6D-722-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2455.2	6.1			
FM	(30°-60°)	19341.8	48.4			
FH	(60°-80°)	12656.4	31.7			G5
FVH	(80°-90°)	179.2	0.4			G2/225
BL	(0°-30°)	1342.3	3.4	B3/2500		
BM	(30°-60°)	3056.5	7.6	B3/5000		
BH	(60°-80°)	938.4	2.3	B2/1000		G2/1000
BVH	(80°-90°)	9.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short



REPORT NUMBER: P942626

CATALOG NUMBER: GALN-SB6D-722-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	4650.0	4650.0	4650.0	4650.0	4650.0	4650.0	4650.0	4650.0	4650.0	4650.0	4650.0
2.5°	4633.9	4666.1	4658.0	4650.0	4647.3	4652.7	4655.3	4652.7	4652.7	4652.7	4655.3
5°	4545.4	4572.2	4572.2	4591.0	4617.8	4650.0	4674.1	4679.5	4684.8	4692.9	4690.2
7.5°	4376.6	4398.0	4414.1	4475.8	4542.8	4628.5	4700.9	4738.4	4743.8	4773.3	4784.0
10°	4261.4	4288.2	4315.0	4379.3	4475.8	4604.4	4727.7	4818.8	4832.2	4901.9	4934.1
12.5°	4256.0	4282.8	4317.6	4387.3	4499.9	4636.6	4786.7	4918.0	4942.1	5043.9	5110.9
15°	4312.3	4344.4	4376.6	4462.4	4583.0	4749.1	4909.9	5073.4	5097.5	5242.3	5314.6
17.5°	4427.5	4470.4	4494.5	4580.3	4708.9	4893.9	5105.6	5293.2	5314.6	5483.5	5574.6
20°	4655.3	4706.3	4714.3	4784.0	4909.9	5108.3	5360.2	5593.4	5620.2	5813.1	5915.0
22.5°	5127.0	5199.4	5135.1	5169.9	5282.5	5480.8	5754.2	6049.0	6086.5	6306.3	6397.4
25°	5957.9	6059.7	5893.5	5834.6	5882.8	6089.2	6432.2	6804.8	6847.7	7024.5	7070.1
27.5°	7590.0	7458.7	7206.8	6960.2	6815.5	6933.4	7319.4	7780.3	7833.9	8005.5	7951.9
30°	9383.0	9267.8	8927.4	8380.7	8037.6	8018.9	8375.3	8889.9	8951.5	9115.0	8951.5
32.5°	11178.7	11068.8	10699.0	10026.3	9431.3	9136.5	9383.0	9953.9	9986.1	10090.6	9849.4
35°	12944.9	12832.3	12462.5	11773.7	11042.0	10372.0	10323.7	10967.0	10977.7	11087.6	10728.4
37.5°	14721.8	14628.0	14234.0	13558.6	12837.7	11913.0	11465.5	11926.4	11939.8	12047.0	11674.5
40°	15989.5	16029.7	15759.0	15236.4	14617.3	13606.9	12746.6	12947.6	12867.2	13046.7	12824.3
42.5°	17077.6	17158.0	16922.1	16659.5	16300.4	15410.6	14333.2	14298.3	14169.7	14266.2	14035.7
45°	18018.3	18085.3	17873.6	17811.9	17803.9	17179.4	16067.2	15858.1	15678.6	15659.8	15383.8
47.5°	18364.0	18492.7	18583.8	18790.2	19192.2	18929.5	17860.2	17535.9	17334.9	17187.5	16750.6
50°	18495.4	18632.1	18942.9	19543.3	20494.7	20607.3	19645.1	19280.6	19034.1	18766.1	18122.8
52.5°	18318.5	18562.4	18980.5	19990.9	21371.1	21952.7	21357.7	21038.8	20757.4	20320.5	19366.4
55°	17275.9	17519.8	18374.8	19985.5	21808.0	22896.1	22976.5	22834.4	22518.2	21829.4	20371.4
57.5°	15078.2	15440.1	16793.5	19304.8	21799.9	23708.2	24563.1	24665.0	24311.2	23324.9	21162.1
60°	12033.6	12524.1	14175.0	17795.9	21127.2	24147.7	25954.1	26463.3	26088.1	24799.0	21802.6
62.5°	8396.8	8964.9	10527.4	15432.0	19588.8	23831.4	26969.8	27910.6	27626.5	26117.6	22049.2
65°	5121.7	5303.9	6563.6	12143.5	16973.1	22507.5	27283.4	28693.1	28599.3	26924.3	21684.7
67.5°	3411.8	3564.5	3926.3	8327.1	13175.4	19862.2	26533.0	28556.5	28583.3	26793.0	20350.0
70°	2055.6	2187.0	2422.8	4842.9	8538.8	15721.5	24209.3	26814.4	26969.8	25037.5	17820.0
72.5°	846.9	935.4	1149.8	2195.0	4422.2	9978.0	19278.0	23022.1	23383.9	21052.2	13676.5
75°	479.7	525.3	675.4	1101.5	1919.0	4650.0	11677.2	16343.2	16876.6	14510.1	8227.9
77.5°	318.9	340.4	436.9	712.9	1080.1	1586.6	4990.3	8514.7	9533.1	7925.1	3561.9
80°	214.4	233.2	300.2	477.1	702.2	680.7	1589.3	3154.5	3880.8	2723.0	868.4
82.5°	144.7	147.4	214.4	313.6	444.9	329.7	469.0	980.9	1232.8	787.9	329.7
85°	83.1	80.4	158.1	182.2	198.3	136.7	142.0	294.8	385.9	332.3	187.6
87.5°	10.7	16.1	61.6	48.2	26.8	29.5	29.5	50.9	75.0	80.4	40.2
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: P942626

CATALOG NUMBER: GALN-SB6D-722-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4650.0	4650.0	4650.0	4650.0	4650.0	4650.0	4650.0	4650.0	4650.0	4650.0	4650.0
2.5°	4655.3	4652.7	4644.6	4636.6	4617.8	4607.1	4612.5	4607.1	4604.4	4607.1	4617.8
5°	4690.2	4682.1	4660.7	4633.9	4596.4	4550.8	4521.3	4478.4	4438.2	4414.1	4419.5
7.5°	4784.0	4775.9	4746.5	4671.4	4550.8	4360.5	4186.3	4033.5	3918.3	3851.3	3854.0
10°	4934.1	4920.7	4875.1	4708.9	4392.7	3977.3	3631.5	3344.8	3157.2	3068.7	3060.7
12.5°	5110.9	5094.9	5014.5	4674.1	4092.5	3443.9	2966.9	2647.9	2473.7	2396.0	2388.0
15°	5320.0	5298.6	5140.4	4507.9	3655.7	2854.3	2417.4	2178.9	2066.4	1996.7	1999.4
17.5°	5580.0	5542.4	5234.2	4258.7	3181.3	2404.0	2079.8	1900.2	1801.0	1734.0	1728.7
20°	5917.7	5856.0	5309.3	3961.2	2744.4	2120.0	1851.9	1701.9	1626.8	1567.9	1557.1
22.5°	6389.4	6300.9	5400.4	3639.6	2436.2	1924.3	1683.1	1573.2	1511.6	1444.6	1433.9
25°	6973.6	6869.1	5513.0	3342.1	2224.5	1755.5	1559.8	1468.7	1396.3	1318.6	1310.6
27.5°	7791.0	7603.4	5647.0	3098.2	2042.2	1610.7	1447.3	1345.4	1262.3	1198.0	1184.6
30°	8702.3	8394.1	5764.9	2950.8	1876.1	1476.7	1299.8	1198.0	1120.3	1074.7	1066.7
32.5°	9565.3	9147.2	5842.6	2886.5	1726.0	1324.0	1139.0	1029.2	970.2	956.8	964.8
35°	10380.0	9827.9	5834.6	2824.8	1592.0	1171.2	980.9	868.4	822.8	830.8	830.8
37.5°	11318.1	10554.2	5778.3	2728.3	1482.1	1031.8	844.2	745.1	704.9	707.5	718.3
40°	12408.9	11393.1	5743.5	2546.1	1361.5	903.2	731.7	651.3	621.8	611.1	608.4
42.5°	13572.0	12205.2	5748.8	2339.7	1211.4	787.9	653.9	586.9	560.1	552.1	549.4
45°	14740.5	12979.7	5756.9	2125.3	1053.3	699.5	597.7	541.4	525.3	514.6	514.6
47.5°	15839.4	13639.0	5606.8	1894.8	897.8	632.5	552.1	514.6	501.2	487.8	487.8
50°	16863.2	14078.6	5245.0	1626.8	774.5	578.9	517.3	490.5	477.1	463.7	463.7
52.5°	17659.2	14148.2	4647.3	1350.8	688.8	538.7	495.8	471.7	455.6	442.2	439.5
55°	18012.9	13711.4	3797.7	1093.5	621.8	503.9	474.4	450.3	431.5	418.1	415.4
57.5°	17921.8	12792.1	2961.5	879.1	557.5	469.0	447.6	431.5	410.1	388.6	385.9
60°	17474.2	11561.9	2232.5	731.7	498.5	431.5	418.1	404.7	375.2	343.1	337.7
62.5°	16699.7	10015.5	1592.0	605.7	434.2	388.6	383.3	372.5	329.7	270.7	265.3
65°	15515.1	8136.8	1072.0	503.9	372.5	340.4	343.1	324.3	268.0	201.0	195.6
67.5°	13783.8	5949.8	686.1	412.7	310.9	284.1	286.8	276.1	227.8	171.5	163.5
70°	11578.0	3939.7	447.6	313.6	249.2	219.8	235.8	238.5	193.0	139.4	134.0
72.5°	8487.9	2326.3	313.6	233.2	182.2	152.8	193.0	198.3	155.4	104.5	99.2
75°	4837.6	1104.2	235.8	168.8	112.6	107.2	150.1	150.1	107.2	69.7	64.3
77.5°	2031.5	461.0	166.2	109.9	64.3	61.6	101.8	93.8	53.6	32.2	32.2
80°	586.9	206.4	88.4	53.6	26.8	24.1	40.2	29.5	13.4	5.4	5.4
82.5°	230.5	91.1	34.8	21.4	10.7	10.7	5.4	0.0	0.0	0.0	0.0
85°	136.7	37.5	16.1	8.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	34.8	8.0	5.4	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)