

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: P943138

Luminaire Tested: **GALN-SB7C-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7C-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33312 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

Input Watts (W): 350.5
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

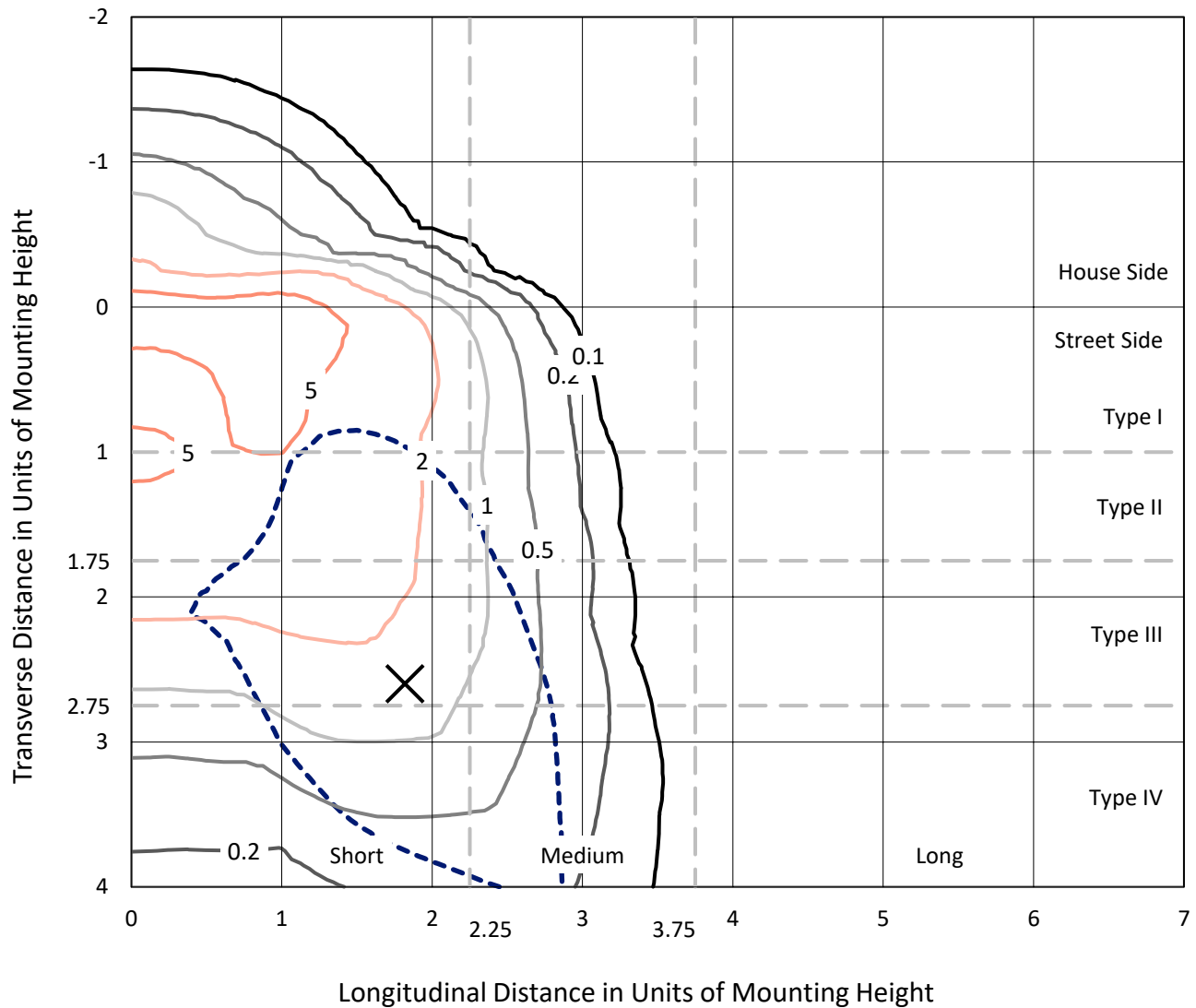


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Iso-Footcandle Lines of Horizontal Illumination

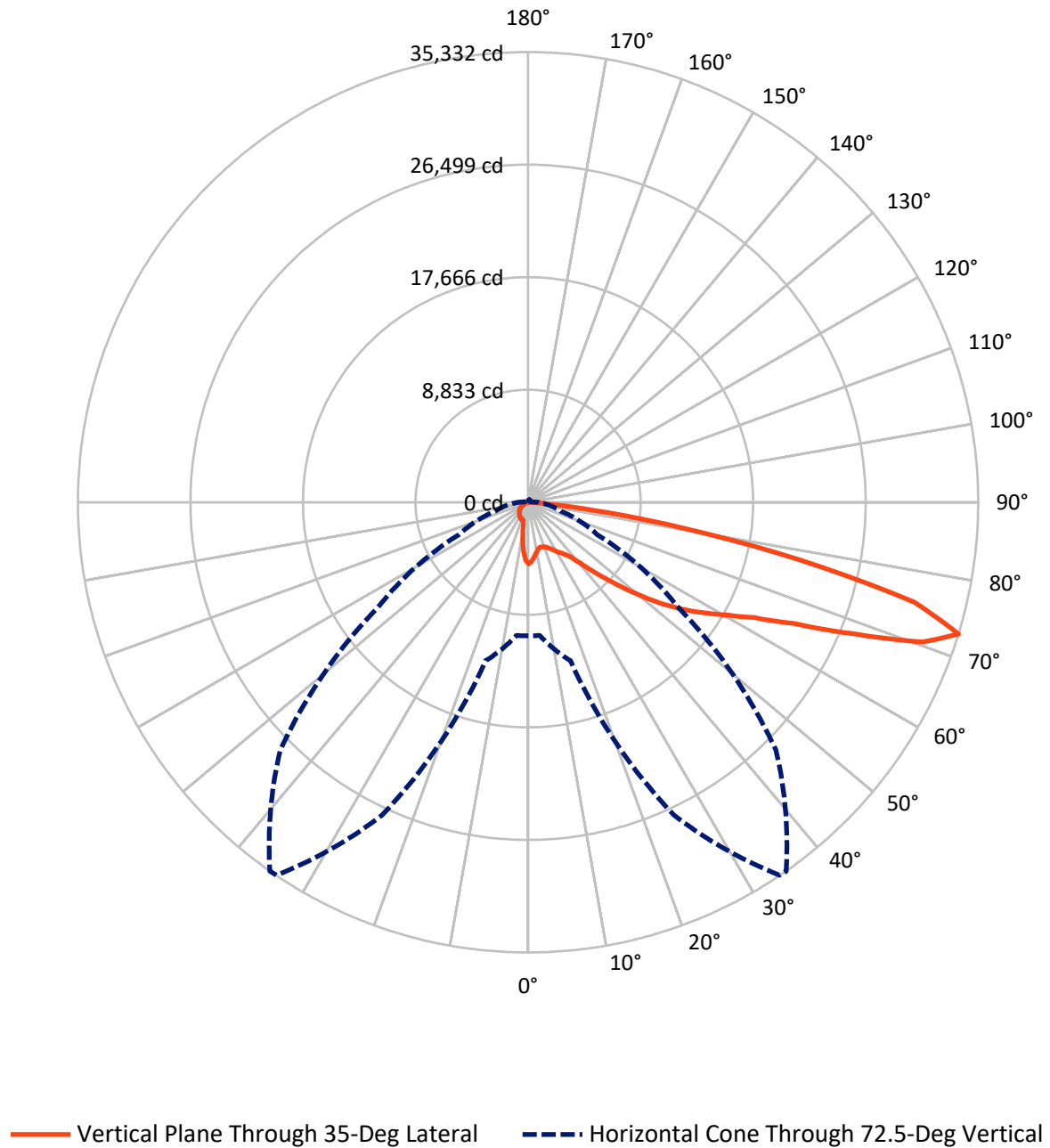
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3749.1	0.0	3749.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	29562.9	0.0	29562.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	33312.0	0.0	33312.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.7	1.2
10°-20°	928.1	2.8
20°-30°	1507.7	4.5
30°-40°	2515.6	7.6
40°-50°	4759.5	14.3
50°-60°	7562.9	22.7
60°-70°	9355.8	28.1
70°-80°	5815.6	17.5
80°-90°	470.0	1.4
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°	33312.0	100.0
0°-180°	33312.0	100.0

Coefficient of Utilization



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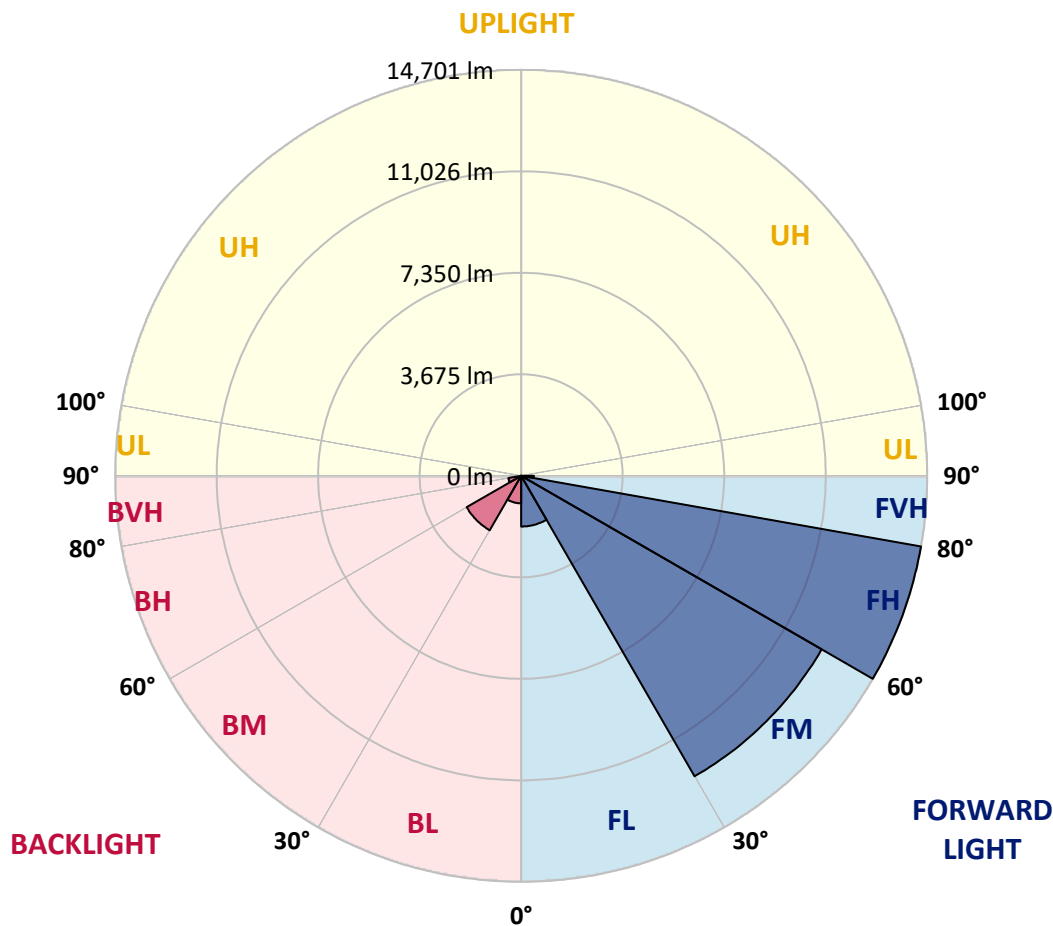
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1836.3	5.5			
FM	(30°-60°)	12562.0	37.7			
FH	(60°-80°)	14701.0	44.1			G5
FVH	(80°-90°)	463.6	1.4			G3/500
BL	(0°-30°)	996.2	3.0	B2/1000		
BM	(30°-60°)	2276.0	6.8	B2/2500		
BH	(60°-80°)	470.5	1.4	B1/500		G1/500
BVH	(80°-90°)	6.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	4828.0	4828.0	4828.0	4828.0	4828.0	4828.0	4828.0	4828.0	4828.0	4828.0	4828.0
2.5°	4613.2	4652.3	4659.6	4671.8	4671.8	4686.5	4710.9	4745.0	4801.2	4830.5	4850.0
5°	4252.0	4281.3	4317.9	4347.2	4403.3	4410.6	4505.8	4598.6	4728.0	4825.6	4893.9
7.5°	3888.3	3922.5	3971.3	4042.1	4115.3	4137.3	4281.3	4437.5	4642.5	4825.6	4940.3
10°	3632.0	3634.4	3678.4	3749.2	3866.3	3893.2	4068.9	4291.0	4547.3	4796.3	4984.2
12.5°	3488.0	3505.1	3524.6	3578.3	3690.6	3707.7	3895.6	4156.8	4452.1	4779.2	5035.5
15°	3488.0	3500.2	3512.4	3539.3	3629.6	3644.2	3810.2	4071.4	4403.3	4786.5	5118.5
17.5°	3524.6	3544.1	3534.4	3566.1	3661.3	3671.1	3817.5	4046.9	4400.9	4832.9	5245.4
20°	3612.5	3627.1	3607.6	3627.1	3722.3	3741.8	3893.2	4093.3	4442.4	4913.5	5404.1
22.5°	3751.6	3758.9	3712.6	3727.2	3824.8	3849.2	4025.0	4225.1	4542.4	5042.8	5616.4
25°	3927.3	3942.0	3871.2	3888.3	3981.0	4010.3	4212.9	4422.8	4701.1	5221.0	5887.4
27.5°	4129.9	4137.3	4076.2	4073.8	4193.4	4234.9	4439.9	4666.9	4913.5	5445.6	6229.1
30°	4361.8	4383.8	4325.2	4315.4	4466.8	4501.0	4703.5	4967.2	5225.9	5782.4	6714.8
32.5°	4544.9	4562.0	4527.8	4552.2	4706.0	4732.8	5023.3	5391.9	5716.5	6260.8	7376.3
35°	4808.5	4818.3	4740.2	4784.1	4959.8	5028.2	5460.2	5987.4	6334.0	6861.3	8240.4
37.5°	5762.9	5762.9	5430.9	5213.7	5382.1	5443.1	6058.2	6736.8	7095.6	7666.7	9329.0
40°	7083.4	7061.4	6575.7	6131.4	6109.5	6229.1	6910.1	7681.4	8079.3	8633.3	10554.3
42.5°	8491.8	8457.6	7796.1	7356.8	7283.5	7325.0	7893.7	8845.7	9250.9	9812.3	11872.4
45°	9741.5	9731.7	9126.4	8535.7	8403.9	8535.7	9121.5	10207.7	10498.1	11088.8	13188.0
47.5°	10788.6	10788.6	10346.8	9961.2	9892.8	9970.9	10783.7	11718.6	11691.7	12448.4	14469.4
50°	11994.4	11984.6	11564.8	11398.8	11469.6	11579.5	12697.4	13310.0	12926.8	13783.5	15614.2
52.5°	12838.9	12897.5	12753.5	12726.7	13087.9	13278.3	14640.3	14867.3	14032.5	15050.4	16470.9
55°	13507.7	13576.1	13742.1	13930.0	14625.6	14874.6	16522.2	16344.0	14957.6	16148.7	16964.0
57.5°	14454.8	14357.2	14613.4	14984.5	16109.7	16409.9	18345.5	17737.7	15702.1	17039.7	17017.7
60°	15604.4	15619.1	15663.0	16131.7	17591.3	17977.0	20142.0	19055.8	16180.5	17586.4	16422.1
62.5°	16986.0	17007.9	17098.2	17818.3	19580.6	19944.3	22055.6	20134.7	16400.2	17432.6	14884.4
65°	16890.8	16983.5	17991.6	20454.4	22604.8	22963.6	24289.0	20891.3	16068.2	16026.7	12118.9
67.5°	15387.2	15538.5	17225.2	23603.1	27164.4	27564.7	26988.6	21040.2	14635.4	12463.0	7906.0
70°	13415.0	13468.7	15497.0	26434.5	32443.9	32849.1	29405.1	19402.4	11105.9	6951.6	3541.7
72.5°	10476.2	10488.4	12868.2	27091.1	35309.5	35331.5	27508.5	14403.5	5972.8	2670.3	1230.2
75°	7483.7	7410.5	8618.7	21970.2	31064.9	31313.8	20622.8	6756.3	2282.2	1261.9	612.7
77.5°	4012.8	4093.3	4876.8	13029.3	21460.1	21884.8	11252.4	1947.8	1161.9	859.2	405.2
80°	1240.0	1308.3	1999.1	5965.5	12155.5	12411.8	4171.4	866.5	810.4	612.7	266.1
82.5°	390.5	405.2	932.4	2506.8	5045.3	5162.4	1208.2	490.6	554.1	405.2	156.2
85°	112.3	114.7	414.9	934.9	1247.3	1271.7	339.3	190.4	317.3	251.4	80.5
87.5°	12.2	39.1	156.2	156.2	109.8	107.4	36.6	41.5	90.3	31.7	14.6
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°	4828.0	4828.0	4828.0	4828.0	4828.0	4828.0	4828.0	4828.0	4828.0	4828.0	4828.0
2.5°	4837.8	4840.2	4808.5	4754.8	4696.2	4647.4	4586.4	4537.6	4503.4	4493.6	4510.7
5°	4872.0	4854.9	4764.6	4601.0	4405.8	4237.3	4049.4	3900.5	3802.9	3761.4	3776.0
7.5°	4923.2	4874.4	4676.7	4354.5	3981.0	3649.1	3312.3	3051.1	2885.1	2802.1	2814.3
10°	4967.2	4869.5	4530.2	3998.1	3427.0	2924.2	2470.2	2155.3	1979.5	1896.6	1899.0
12.5°	5008.6	4867.1	4339.9	3575.9	2802.1	2187.0	1764.7	1608.5	1559.7	1542.6	1537.7
15°	5086.8	4874.4	4100.6	3092.6	2179.7	1652.5	1498.7	1496.2	1506.0	1501.1	1498.7
17.5°	5194.2	4881.7	3829.7	2580.0	1681.8	1457.2	1449.9	1471.8	1486.5	1479.2	1476.7
20°	5333.3	4911.0	3541.7	2072.3	1445.0	1408.4	1425.5	1445.0	1457.2	1445.0	1442.5
22.5°	5528.6	4962.3	3226.8	1664.7	1369.3	1379.1	1393.7	1415.7	1427.9	1410.8	1408.4
25°	5767.8	5042.8	2916.8	1447.4	1332.7	1344.9	1366.9	1391.3	1405.9	1388.9	1386.4
27.5°	6077.7	5172.2	2631.2	1398.6	1296.1	1303.4	1335.2	1371.8	1391.3	1369.3	1369.3
30°	6526.9	5384.5	2384.7	1420.6	1274.1	1257.0	1301.0	1352.2	1374.2	1354.7	1352.2
32.5°	7122.4	5684.8	2233.4	1454.8	1264.4	1203.3	1244.8	1310.7	1347.4	1335.2	1335.2
35°	7903.5	6141.2	2174.8	1493.8	1257.0	1147.2	1176.5	1247.3	1310.7	1322.9	1322.9
37.5°	8850.6	6775.8	2191.9	1510.9	1235.1	1100.8	1115.5	1176.5	1259.5	1298.5	1308.3
40°	9927.0	7515.4	2289.5	1493.8	1210.7	1061.8	1064.2	1110.6	1183.8	1242.4	1261.9
42.5°	11037.6	8379.5	2470.2	1430.3	1188.7	1027.6	1020.3	1052.0	1100.8	1142.3	1159.4
45°	12094.5	9268.0	2648.3	1342.5	1161.9	993.4	976.3	988.5	998.3	1015.4	1025.2
47.5°	13017.1	9892.8	2597.1	1261.9	1125.2	954.4	925.1	920.2	890.9	888.5	886.0
50°	13654.2	10029.5	2306.6	1181.4	1071.5	910.4	864.1	834.8	783.5	759.1	761.5
52.5°	13856.8	9490.1	1884.3	1100.8	983.7	851.9	786.0	739.6	676.1	654.2	651.7
55°	13588.3	8433.2	1506.0	1003.2	861.6	773.8	700.5	639.5	588.2	561.4	561.4
57.5°	12931.7	7088.3	1191.1	888.5	732.3	685.9	612.7	551.6	507.7	480.8	476.0
60°	11843.1	5628.6	942.2	751.8	624.9	590.7	515.0	476.0	436.9	405.2	397.9
62.5°	10190.6	4017.7	739.6	595.6	522.3	483.3	439.4	410.1	363.7	319.8	312.4
65°	7952.3	2457.9	571.2	436.9	419.8	400.3	373.5	346.6	290.5	246.5	239.2
67.5°	5016.0	1164.3	407.6	329.5	332.0	322.2	310.0	288.0	246.5	207.5	202.6
70°	2209.0	563.8	268.5	251.4	246.5	246.5	256.3	249.0	209.9	173.3	166.0
72.5°	751.8	302.7	200.2	190.4	178.2	175.7	214.8	207.5	168.4	134.2	126.9
75°	393.0	202.6	146.5	136.7	107.4	129.4	170.9	161.1	119.6	87.9	80.5
77.5°	256.3	144.0	100.1	87.9	61.0	85.4	126.9	112.3	70.8	43.9	39.1
80°	161.1	95.2	58.6	41.5	29.3	46.4	68.3	48.8	26.8	9.8	7.3
82.5°	85.4	48.8	22.0	14.6	12.2	14.6	17.1	12.2	4.9	0.0	0.0
85°	34.2	17.1	7.3	4.9	2.4	0.0	4.9	2.4	0.0	0.0	0.0
87.5°	12.2	2.4	0.0	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)