

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: P954131

Luminaire Tested: **GALN-SB7C-722-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
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-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33891 lumens
Efficiency: N/A
Efficacy: 96.7 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



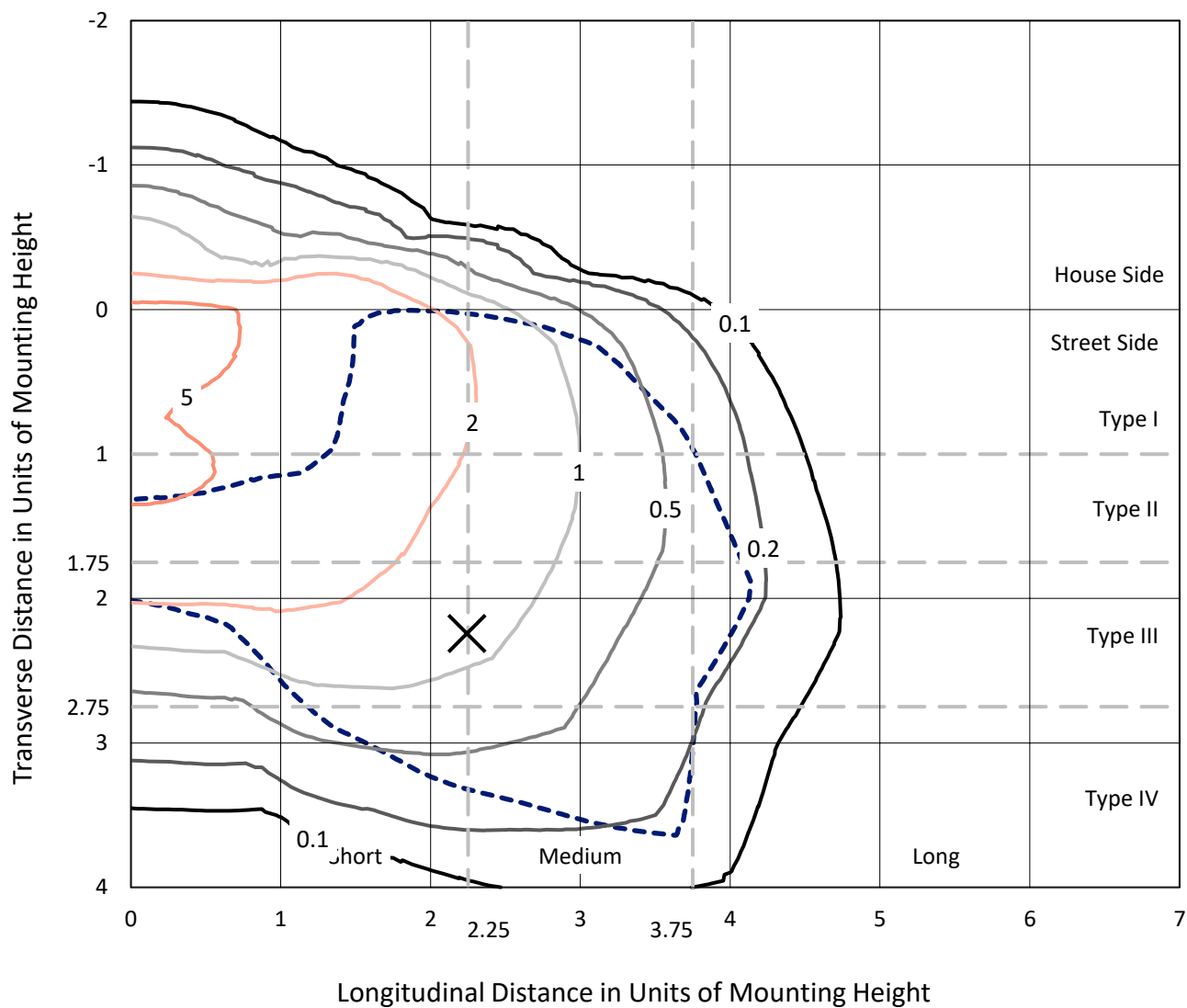
REPORT NUMBER: P954131

CATALOG NUMBER: GALN-SB7C-722-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

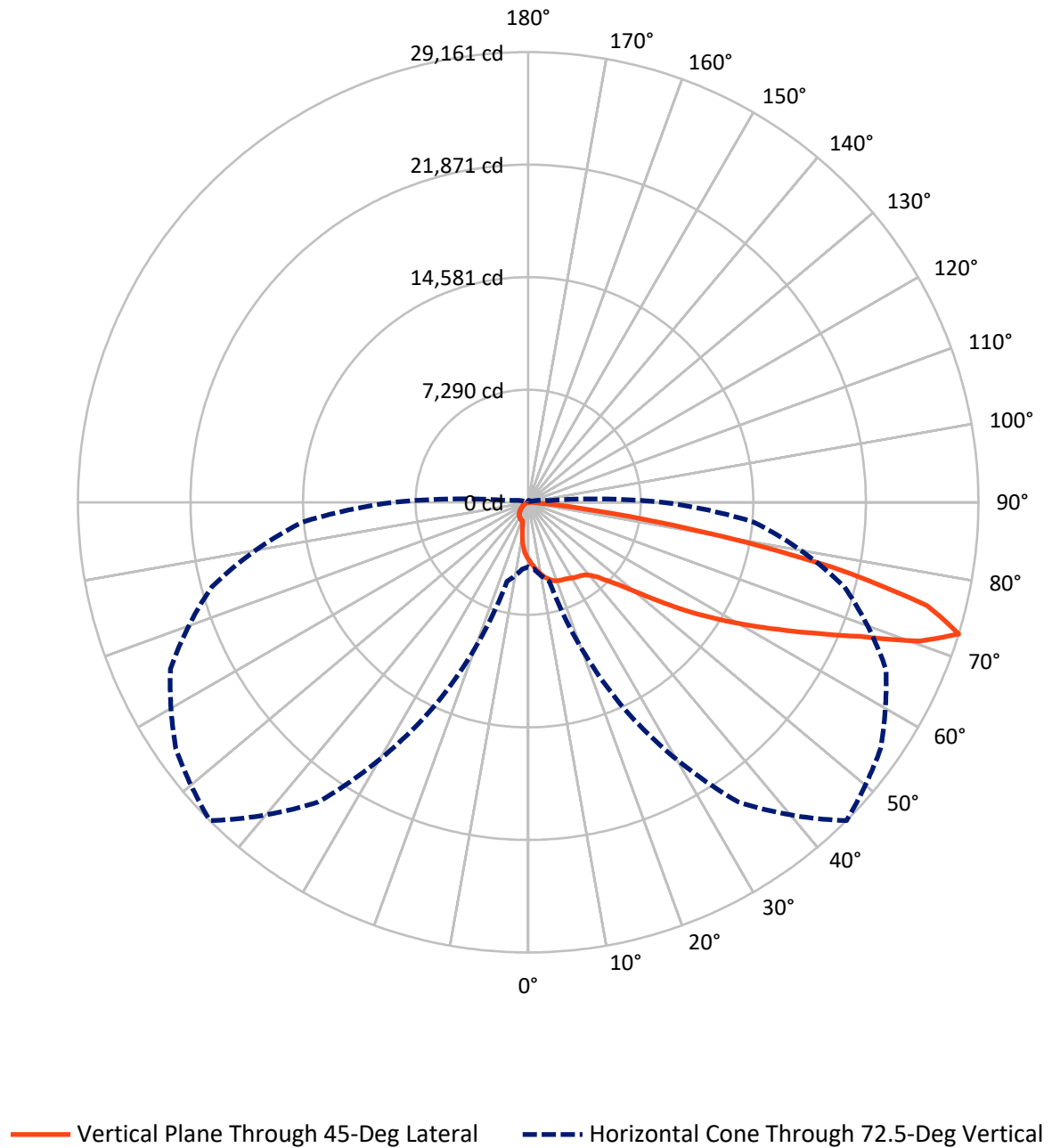
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
Type IV - Short - N/A

REPORT NUMBER: P954131
CATALOG NUMBER: GALN-SB7C-722-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P954131

CATALOG NUMBER: GALN-SB7C-722-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3561.0	0.0	3561.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	30330.0	0.0	30330.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	33891.0	0.0	33891.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.8	1.0
10°-20°	1022.4	3.0
20°-30°	1678.9	5.0
30°-40°	2381.1	7.0
40°-50°	3935.7	11.6
50°-60°	7070.1	20.9
60°-70°	9817.1	29.0
70°-80°	7121.0	21.0
80°-90°	514.8	1.5
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°	33891.0	100.0
0°-180°	33891.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954131

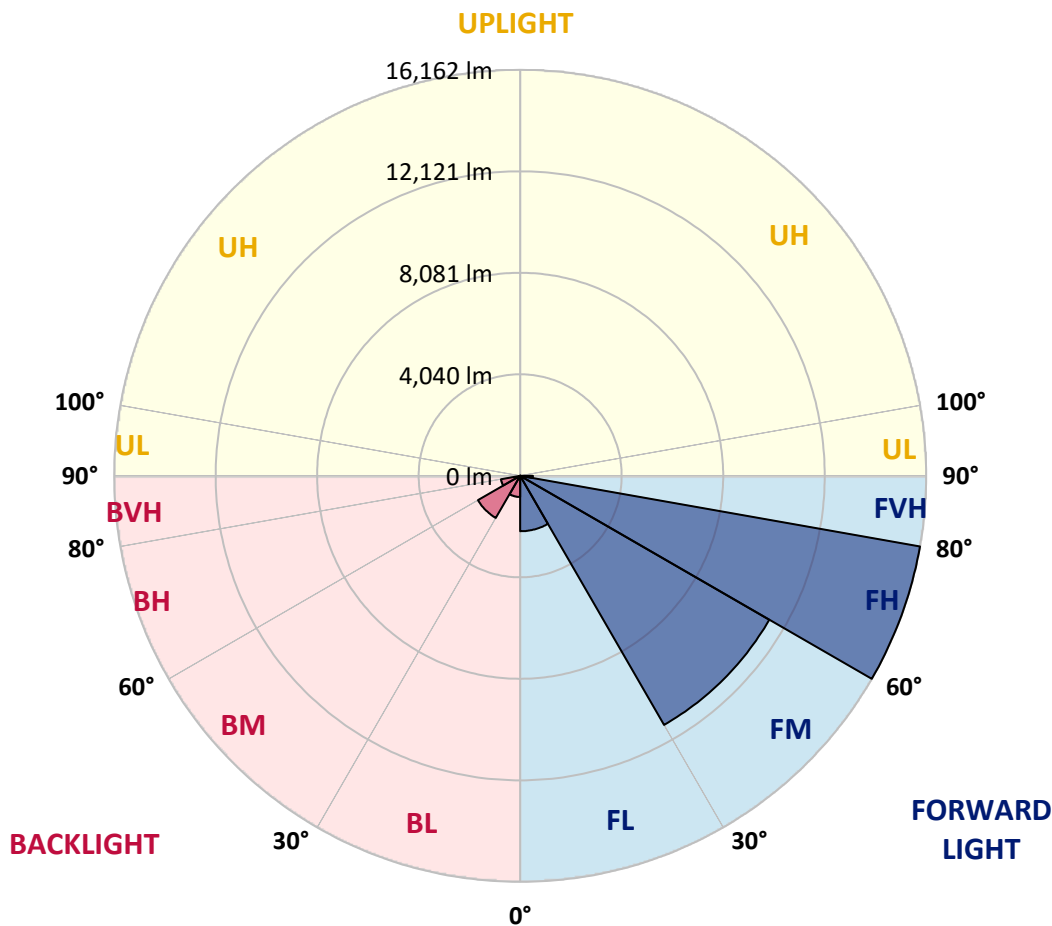
CATALOG NUMBER: GALN-SB7C-722-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2207.7	6.5			
FM	(30°-60°)	11450.2	33.8			
FH	(60°-80°)	16161.7	47.7			G5
FVH	(80°-90°)	510.5	1.5			G4/750
BL	(0°-30°)	843.5	2.5	B2/1000		
BM	(30°-60°)	1936.7	5.7	B2/2500		
BH	(60°-80°)	776.5	2.3	B2/1000		G2/1000
BVH	(80°-90°)	4.3	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



REPORT NUMBER: P954131

CATALOG NUMBER: GALN-SB7C-722-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8
2.5°	4055.2	4062.1	4057.5	4029.8	3983.5	3958.0	3944.2	3897.9	3867.8	3814.6	3759.1
5°	4427.6	4455.4	4439.2	4383.7	4295.8	4233.3	4214.8	4120.0	4034.4	3934.9	3819.2
7.5°	4823.2	4837.1	4807.0	4735.3	4617.3	4510.9	4494.7	4362.9	4226.4	4073.7	3916.4
10°	5165.6	5181.8	5135.5	5031.4	4897.2	4765.4	4742.2	4596.5	4434.6	4247.2	4045.9
12.5°	5452.4	5468.6	5408.5	5283.6	5135.5	4999.0	4975.9	4823.2	4645.1	4436.9	4187.1
15°	5669.9	5699.9	5619.0	5484.8	5325.2	5188.7	5177.1	5026.8	4853.3	4622.0	4355.9
17.5°	5797.1	5827.2	5750.8	5588.9	5452.4	5336.8	5322.9	5198.0	5036.0	4814.0	4520.2
20°	5817.9	5845.7	5764.7	5623.6	5510.3	5417.7	5410.8	5320.6	5202.6	4989.8	4698.3
22.5°	5755.5	5790.2	5716.1	5602.8	5524.1	5475.6	5466.3	5415.4	5348.3	5167.9	4864.8
25°	5690.7	5718.5	5662.9	5563.5	5521.8	5517.2	5524.1	5514.9	5501.0	5348.3	5059.2
27.5°	5686.1	5716.1	5653.7	5558.8	5535.7	5584.3	5591.2	5635.2	5646.7	5512.6	5246.5
30°	5725.4	5746.2	5686.1	5586.6	5575.0	5686.1	5688.4	5767.0	5785.5	5651.4	5431.6
32.5°	5811.0	5834.1	5774.0	5628.2	5612.0	5767.0	5774.0	5878.1	5908.1	5799.4	5625.9
35°	6012.2	6040.0	5970.6	5743.9	5686.1	5843.4	5864.2	5986.8	6046.9	5956.7	5827.2
37.5°	6514.2	6433.3	6338.4	5977.5	5854.9	5963.7	5998.4	6141.8	6248.2	6144.1	6067.8
40°	7761.1	7506.6	7210.5	6375.4	6151.0	6220.4	6248.2	6391.6	6537.4	6435.6	6398.6
42.5°	9632.5	9331.8	8855.3	7291.5	6597.5	6632.2	6653.0	6777.9	6983.8	6902.9	6912.1
45°	11300.4	11191.7	10705.9	8855.3	7432.6	7261.4	7286.9	7351.6	7654.7	7624.6	7684.8
47.5°	12582.0	12519.5	12144.8	10650.4	8843.7	8031.7	8103.5	8133.5	8570.7	8677.2	8839.1
50°	13567.4	13544.3	13208.9	12246.6	10687.4	9167.6	9193.0	9128.2	9782.9	10046.6	10354.3
52.5°	14497.4	14576.0	14328.5	13729.4	12656.0	10655.0	10650.4	10345.0	11228.7	11626.6	12151.7
55°	15337.1	15364.9	15390.3	15242.3	14636.2	12348.3	12304.4	11804.7	12905.8	13317.6	13886.7
57.5°	16125.9	16137.5	16364.2	16667.3	16697.3	14166.6	14085.6	13486.5	14738.0	15031.8	15381.1
60°	16655.7	16708.9	17187.7	18029.8	18397.6	16042.7	15998.7	15388.0	16602.5	16739.0	16674.2
62.5°	15892.3	16216.2	17423.7	19093.9	20003.0	18122.3	18101.5	17527.8	18564.2	18453.1	17897.9
65°	12864.2	13412.5	15536.1	19813.3	21578.4	20444.9	20474.9	19864.2	20579.0	20218.2	18892.6
67.5°	8998.7	9577.0	12089.3	19871.2	23338.8	23172.2	23345.7	22388.0	22718.8	21909.2	19128.6
70°	6222.8	6521.2	8156.7	18626.6	24710.6	26929.0	26924.4	25487.8	24847.1	22679.5	17925.7
72.5°	4184.7	4339.7	5297.4	14777.3	23702.0	29161.3	29027.2	27856.6	25564.2	21210.6	14645.4
75°	1765.0	1878.4	2452.1	8304.7	18751.5	26679.2	26316.0	24618.0	22714.2	16702.0	9137.5
77.5°	559.8	608.4	967.0	2972.6	10328.8	20053.9	19669.9	15374.1	15223.8	8378.7	3340.4
80°	266.0	310.0	543.6	1193.7	4064.5	10907.2	10854.0	6974.6	6548.9	2262.4	670.9
82.5°	115.7	136.5	300.7	638.5	1818.2	3891.0	3969.6	2373.4	1964.0	858.2	205.9
85°	37.0	48.6	138.8	293.8	768.0	967.0	955.4	564.4	791.1	467.3	71.7
87.5°	0.0	0.0	46.3	67.1	78.7	55.5	62.5	48.6	219.8	129.5	25.4
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: P954131

CATALOG NUMBER: GALN-SB7C-722-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8
2.5°	3731.3	3694.3	3629.6	3569.4	3516.2	3463.0	3430.6	3384.3	3379.7	3379.7	3391.3
5°	3756.8	3696.6	3581.0	3458.4	3317.3	3183.1	3048.9	2919.4	2877.7	2847.7	2861.5
7.5°	3830.8	3736.0	3553.2	3319.6	3051.2	2757.4	2551.6	2329.5	2243.9	2197.6	2204.6
10°	3937.2	3807.7	3530.1	3120.6	2685.7	2285.5	1991.7	1751.2	1658.6	1619.3	1619.3
12.5°	4055.2	3895.6	3488.4	2873.1	2285.5	1806.7	1519.8	1408.8	1394.9	1394.9	1394.9
15°	4196.3	4002.0	3416.7	2581.6	1866.8	1429.6	1327.8	1332.5	1346.3	1355.6	1355.6
17.5°	4342.0	4115.3	3303.4	2255.5	1496.7	1286.2	1288.5	1295.4	1307.0	1316.3	1316.3
20°	4499.3	4228.7	3153.0	1908.5	1283.9	1244.6	1251.5	1258.4	1267.7	1272.3	1274.6
22.5°	4668.2	4335.1	2974.9	1568.4	1212.2	1209.9	1212.2	1219.1	1230.7	1230.7	1235.3
25°	4848.7	4453.1	2771.3	1320.9	1175.2	1175.2	1179.8	1184.4	1193.7	1193.7	1196.0
27.5°	5033.7	4561.8	2556.2	1191.3	1142.8	1140.5	1140.5	1147.4	1152.0	1154.3	1156.6
30°	5237.3	4689.0	2341.0	1163.6	1117.3	1105.8	1098.8	1103.4	1108.1	1110.4	1115.0
32.5°	5445.5	4811.6	2149.0	1175.2	1091.9	1071.1	1047.9	1043.3	1043.3	1052.5	1059.5
35°	5676.8	4945.8	2001.0	1214.5	1078.0	1020.2	983.1	962.3	964.6	978.5	985.5
37.5°	5954.4	5107.7	1892.3	1249.2	1068.7	962.3	902.2	876.7	860.5	876.7	872.1
40°	6317.6	5346.0	1813.6	1276.9	1057.2	895.2	814.3	772.6	742.6	751.8	747.2
42.5°	6852.0	5720.8	1783.5	1279.2	1031.7	816.6	724.1	668.5	624.6	626.9	617.6
45°	7601.5	6313.0	1938.5	1249.2	976.2	731.0	629.2	555.2	527.4	520.5	511.2
47.5°	8628.6	7175.8	2297.1	1186.7	895.2	647.7	536.7	474.2	453.4	441.8	434.9
50°	10005.0	8283.9	2695.0	1117.3	814.3	569.1	460.3	421.0	407.1	395.6	393.3
52.5°	11601.2	9408.2	3021.2	1047.9	733.3	499.7	411.8	388.6	377.1	367.8	365.5
55°	13065.5	10183.1	3002.7	973.9	654.7	444.2	377.1	363.2	349.3	340.1	335.4
57.5°	13976.9	10291.8	2475.2	892.9	564.4	400.2	344.7	335.4	319.2	307.7	305.4
60°	14395.6	9671.9	1735.0	786.5	474.2	358.6	310.0	305.4	284.5	268.3	263.7
62.5°	14471.9	8519.8	1156.6	654.7	395.6	319.2	275.3	268.3	240.6	212.8	198.9
65°	14162.0	6872.8	800.4	511.2	337.7	277.6	236.0	222.1	192.0	164.2	155.0
67.5°	13181.1	4825.5	557.5	367.8	286.8	219.8	187.4	182.7	159.6	136.5	129.5
70°	11383.7	2750.5	372.4	275.3	226.7	150.4	148.1	152.7	129.5	111.0	101.8
72.5°	8728.0	1258.4	231.3	201.3	155.0	101.8	118.0	120.3	99.5	83.3	74.0
75°	5137.8	539.0	145.7	129.5	78.7	67.1	85.6	87.9	67.1	53.2	46.3
77.5°	1748.8	203.6	92.5	76.3	39.3	37.0	55.5	55.5	37.0	20.8	16.2
80°	397.9	76.3	46.3	30.1	18.5	16.2	18.5	16.2	9.3	2.3	0.0
82.5°	113.4	30.1	18.5	11.6	6.9	6.9	2.3	0.0	0.0	0.0	0.0
85°	32.4	13.9	4.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.9	2.3	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)