

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: P943137

Luminaire Tested: **GALN-SB7C-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943137
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-SB7C-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44027 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

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

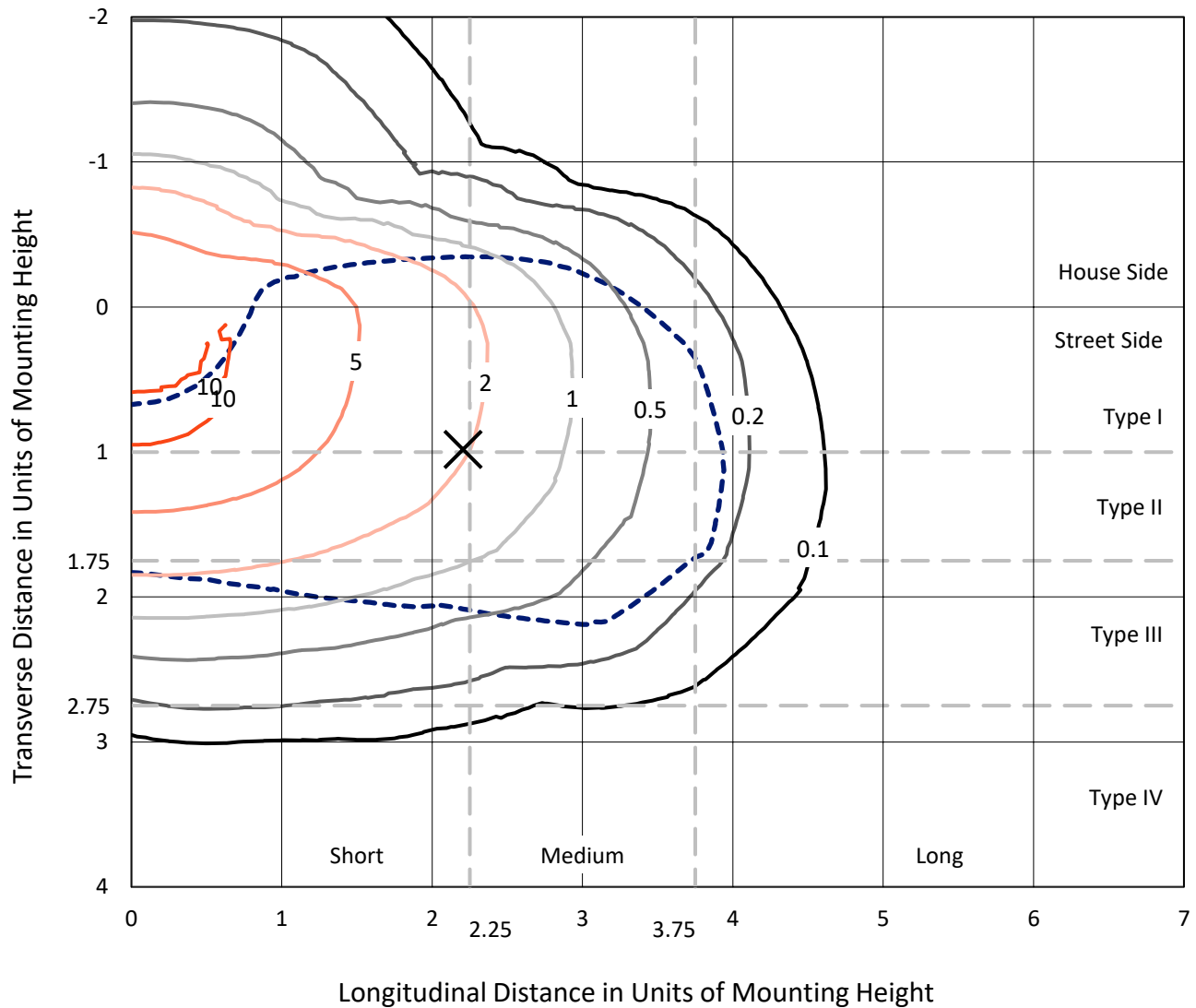


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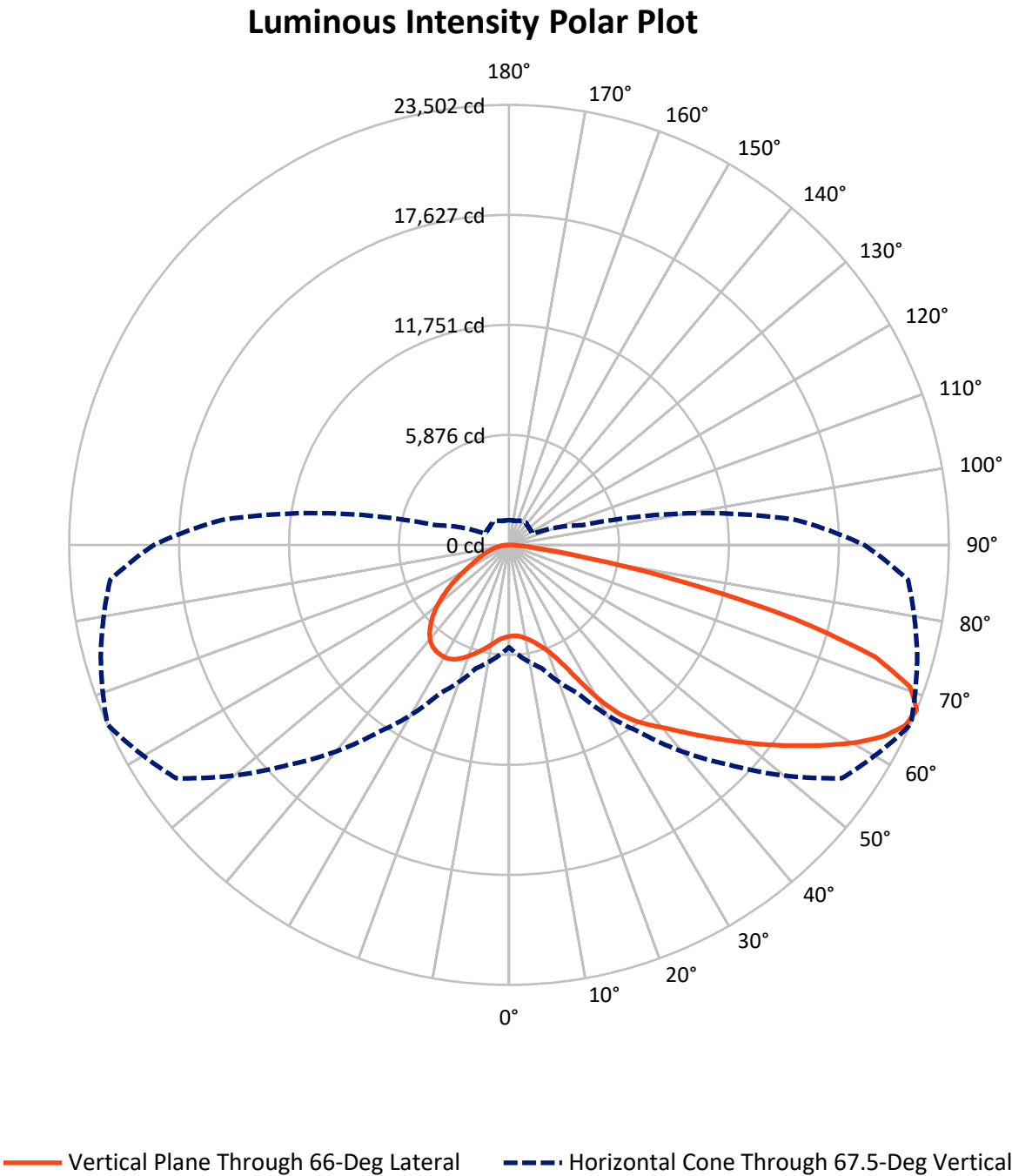
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10947.2	0.0	10947.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	33079.8	0.0	33079.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	44027.0	0.0	44027.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.1	1.1
10°-20°	1599.6	3.6
20°-30°	3083.1	7.0
30°-40°	5405.8	12.3
40°-50°	8036.6	18.3
50°-60°	10187.1	23.1
60°-70°	9967.9	22.6
70°-80°	4754.8	10.8
80°-90°	508.2	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°	44027.0	100.0
0°-180°	44027.0	100.0

Coefficient of Utilization



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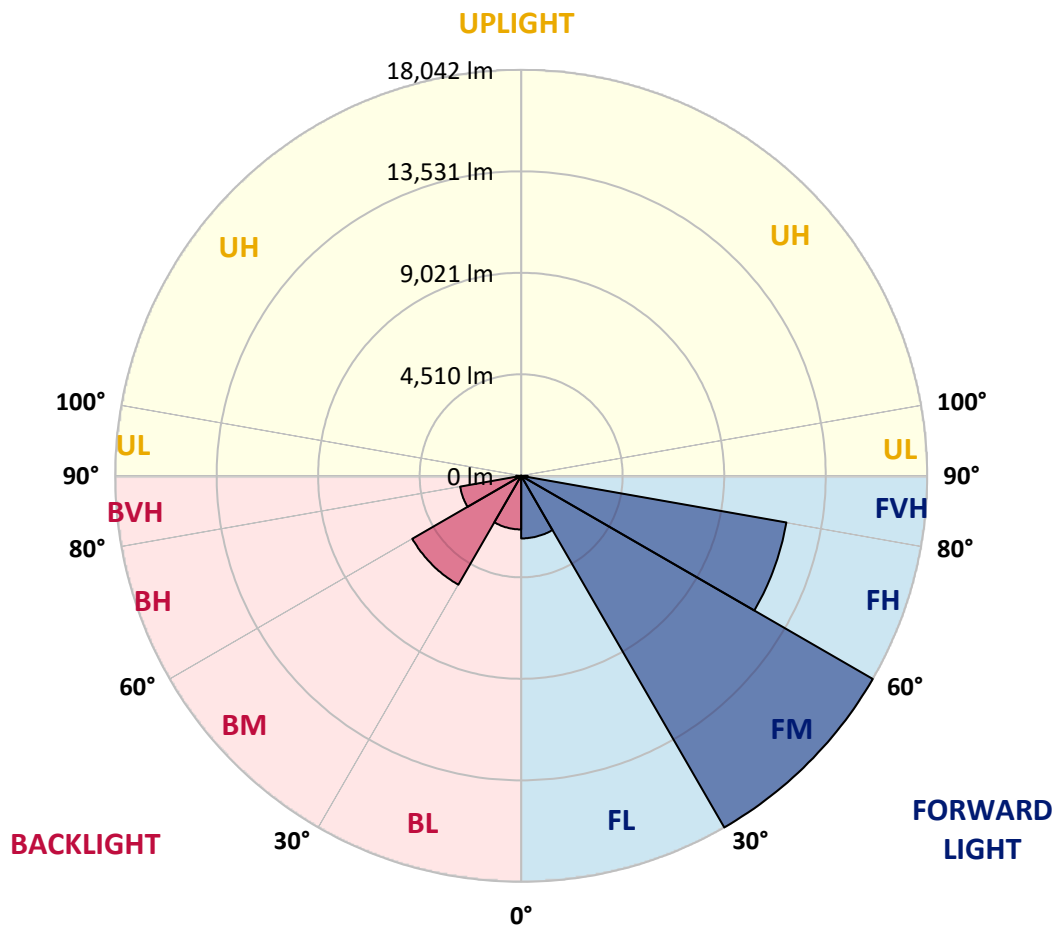
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2782.1	6.3			
FM	(30°-60°)	18041.9	41.0			
FH	(60°-80°)	11967.7	27.2			G4/12000
FVH	(80°-90°)	288.1	0.7			G3/500
BL	(0°-30°)	2384.7	5.4	B3/2500		
BM	(30°-60°)	5587.6	12.7	B4/8500		
BH	(60°-80°)	2754.9	6.3	B4/5000		G4/5000
BVH	(80°-90°)	220.1	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4883.2	4883.2	4883.2	4883.2	4883.2	4883.2	4883.2	4883.2	4883.2	4883.2	4883.2
2.5°	4832.3	4860.0	4853.1	4841.5	4839.2	4843.9	4850.8	4857.7	4855.4	4867.0	4885.5
5°	4818.4	4846.2	4843.9	4843.9	4853.1	4871.6	4883.2	4894.7	4883.2	4897.1	4922.5
7.5°	4827.7	4848.5	4857.7	4867.0	4890.1	4924.8	4952.6	4978.0	4964.1	4980.3	5012.7
10°	4945.6	4961.8	4971.1	4971.1	4987.3	5026.6	5054.4	5100.6	5089.1	5114.5	5156.1
12.5°	5160.8	5177.0	5177.0	5167.7	5179.3	5204.7	5214.0	5264.9	5244.0	5285.7	5327.3
15°	5424.5	5456.9	5431.4	5415.2	5419.8	5445.3	5443.0	5482.3	5461.5	5496.2	5533.2
17.5°	5715.9	5757.6	5715.9	5713.6	5704.4	5732.1	5734.4	5769.1	5732.1	5757.6	5783.0
20°	6060.6	6118.4	6083.7	6095.3	6074.5	6086.0	6097.6	6148.5	6090.7	6109.2	6102.2
22.5°	6546.4	6615.8	6578.8	6622.7	6608.8	6599.6	6597.3	6687.5	6597.3	6604.2	6537.1
25°	7254.2	7337.5	7272.7	7332.9	7332.9	7362.9	7397.6	7513.3	7362.9	7319.0	7145.5
27.5°	8299.8	8383.1	8255.8	8292.8	8281.3	8355.3	8318.3	8605.1	8443.2	8371.5	8022.2
30°	9558.2	9706.2	9465.6	9456.4	9444.8	9562.8	9616.0	9805.7	9641.4	9569.7	9148.7
32.5°	10918.3	11073.3	10786.5	10703.2	10659.2	10731.0	10687.0	10839.7	10726.3	10615.3	10094.8
35°	12357.1	12509.8	12236.9	12074.9	11899.1	11748.8	11591.5	11630.8	11524.4	11355.5	10816.5
37.5°	13717.3	13997.2	13708.1	13534.6	13210.7	12916.9	12477.4	12294.7	12195.2	12040.2	11496.6
40°	15102.9	15262.5	15042.8	14894.7	14543.1	14082.8	13379.6	12993.3	12859.1	12708.7	12248.4
42.5°	16123.0	16275.7	16157.7	16056.0	15780.7	15246.3	14337.2	13853.8	13659.5	13490.6	13099.7
45°	16932.7	17046.0	16972.0	17009.0	16891.0	16372.9	15329.6	14776.8	14575.5	14369.6	14062.0
47.5°	17258.8	17379.1	17497.1	17716.8	17918.1	17536.4	16396.0	15776.1	15563.2	15352.7	15049.7
50°	17221.8	17344.4	17686.8	18154.0	18778.6	18651.4	17520.2	16840.1	16643.5	16402.9	16123.0
52.5°	16925.7	17064.5	17504.0	18281.3	19275.9	19486.4	18665.3	17938.9	17753.8	17467.0	17187.1
55°	16148.5	16231.8	16891.0	17992.1	19393.9	20069.4	19787.2	19109.4	18924.3	18524.1	18218.8
57.5°	14707.4	14827.6	15787.6	17212.6	19097.8	20464.9	20772.6	20340.0	20161.9	19585.9	19266.7
60°	12826.7	13018.7	14117.5	15903.3	18343.7	20462.6	21667.8	21549.8	21401.8	20631.5	20298.4
62.5°	10698.6	10920.6	11977.8	14052.7	17025.2	19882.0	22227.6	22563.0	22486.7	21596.1	21170.5
65°	8216.5	8369.2	9421.7	11658.6	14973.4	18635.2	22292.4	23254.7	23268.5	22329.4	21626.2
67.5°	5470.7	5910.2	6824.0	8748.5	12225.3	16597.2	21723.3	23368.0	23502.2	22581.5	21397.1
70°	2669.4	3247.7	4143.0	5685.9	8748.5	13472.1	20235.9	22438.1	22736.5	21845.9	20032.4
72.5°	1108.0	1295.4	1783.5	2805.9	5022.0	9090.9	17247.3	19916.7	20469.6	19356.9	16842.4
75°	747.2	809.6	1020.1	1438.8	2287.8	4483.0	12438.1	14850.8	15741.4	14619.5	11950.0
77.5°	576.0	615.3	742.5	1006.2	1360.2	1695.6	6657.4	8949.8	9410.1	8711.5	6217.9
80°	453.4	483.5	555.2	733.3	964.6	906.8	2269.3	4055.0	4321.1	3624.8	1998.6
82.5°	393.2	404.8	397.9	497.3	640.8	529.7	744.9	1496.6	1651.6	1198.2	652.3
85°	284.5	316.9	330.8	307.7	340.0	268.3	305.3	529.7	582.9	520.5	367.8
87.5°	115.7	171.2	210.5	198.9	124.9	76.3	94.8	155.0	178.1	194.3	120.3
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°	4883.2	4883.2	4883.2	4883.2	4883.2	4883.2	4883.2	4883.2	4883.2	4883.2	4883.2
2.5°	4887.8	4904.0	4915.6	4929.4	4938.7	4952.6	4980.3	4996.5	4998.8	5010.4	5008.1
5°	4931.8	4954.9	4980.3	5017.3	5059.0	5093.7	5146.9	5183.9	5197.8	5209.3	5207.0
7.5°	5026.6	5059.0	5105.2	5170.0	5230.2	5276.4	5341.2	5385.1	5429.1	5445.3	5447.6
10°	5167.7	5214.0	5281.0	5368.9	5433.7	5493.9	5560.9	5598.0	5641.9	5660.4	5669.7
12.5°	5343.5	5392.1	5480.0	5602.6	5662.7	5704.4	5727.5	5718.2	5727.5	5743.7	5748.3
15°	5544.8	5598.0	5697.4	5829.3	5870.9	5833.9	5783.0	5736.7	5729.8	5734.4	5750.6
17.5°	5783.0	5822.3	5938.0	6049.0	6019.0	5866.3	5755.3	5681.2	5644.2	5632.7	5648.8
20°	6116.1	6116.1	6211.0	6280.4	6079.1	5820.0	5646.5	5526.2	5449.9	5417.5	5410.6
22.5°	6520.9	6483.9	6544.1	6495.5	6067.5	5690.5	5449.9	5241.7	5126.1	5079.8	5072.9
25°	7034.5	6990.5	6974.3	6673.6	5984.3	5484.6	5093.7	4841.5	4739.8	4714.3	4718.9
27.5°	7809.4	7698.3	7487.8	6770.8	5831.6	5160.8	4677.3	4443.7	4385.8	4388.2	4395.1
30°	8841.1	8619.0	8103.2	6786.9	5581.8	4702.7	4251.7	4085.1	4057.4	4068.9	4108.3
32.5°	9796.4	9585.9	8732.3	6712.9	5197.8	4254.0	3870.0	3759.0	3717.3	3731.2	3749.7
35°	10545.9	10488.1	9315.3	6608.8	4725.9	3833.0	3527.6	3432.8	3351.8	3333.3	3347.2
37.5°	11253.7	11230.6	9752.5	6463.1	4258.6	3534.6	3252.4	3127.5	3009.5	2944.7	2947.0
40°	12031.0	12007.8	10039.3	6238.7	3844.5	3275.5	3004.9	2840.6	2694.9	2576.9	2588.5
42.5°	12905.4	12768.9	10175.8	5917.2	3492.9	3055.7	2803.6	2581.5	2389.5	2280.8	2287.8
45°	13860.7	13553.1	10173.5	5507.7	3196.8	2854.5	2588.5	2273.9	2095.8	1994.0	1989.4
47.5°	14873.9	14302.5	10048.6	5054.4	2910.0	2632.4	2255.4	2014.8	1896.8	1834.4	1820.5
50°	15919.5	15003.4	9835.7	4533.9	2616.2	2380.3	2047.2	1882.9	1792.7	1734.9	1714.1
52.5°	16902.6	15639.6	9579.0	3944.0	2317.8	2135.1	1954.7	1827.4	1732.6	1667.8	1640.1
55°	17816.3	16187.8	9215.8	3340.3	2074.9	1970.9	1910.7	1804.3	1695.6	1619.2	1589.2
57.5°	18628.2	16544.0	8588.9	2773.5	1901.5	1857.5	1864.4	1765.0	1640.1	1575.3	1533.7
60°	19303.7	16805.4	7661.3	2248.4	1760.3	1746.5	1792.7	1691.0	1545.2	1471.2	1438.8
62.5°	19708.5	16800.8	6523.2	1841.3	1640.1	1644.7	1697.9	1598.4	1450.4	1381.0	1360.2
65°	19673.8	16389.1	5274.1	1575.3	1524.4	1529.0	1598.4	1496.6	1371.7	1330.1	1327.8
67.5°	18977.5	15385.1	4045.8	1401.8	1397.2	1418.0	1499.0	1427.2	1323.2	1318.5	1325.5
70°	17092.3	13300.9	2914.6	1263.0	1265.3	1295.4	1401.8	1383.3	1297.7	1307.0	1304.6
72.5°	13705.7	10141.1	1957.0	1117.3	1119.6	1168.2	1309.3	1348.6	1272.3	1394.9	1413.4
75°	9127.9	6324.3	1258.4	962.3	964.6	1027.1	1228.3	1281.5	1202.9	1390.2	1401.8
77.5°	4385.8	2842.9	911.4	809.6	809.6	867.5	1061.8	1147.3	1024.7	1080.3	990.1
80°	1515.1	1068.7	717.1	652.3	638.4	677.8	895.2	994.7	883.6	814.2	763.4
82.5°	596.8	555.2	576.0	506.6	460.3	485.8	696.3	821.2	650.0	587.6	585.2
85°	342.4	360.9	407.1	335.4	266.0	298.4	511.2	589.9	490.4	432.6	441.8
87.5°	92.5	127.2	187.4	173.5	120.3	127.2	242.9	326.2	282.2	217.4	224.4
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)