

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: P942967

Luminaire Tested: **GALN-SB7B-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942967
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-SB7B-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33104 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 256.7
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



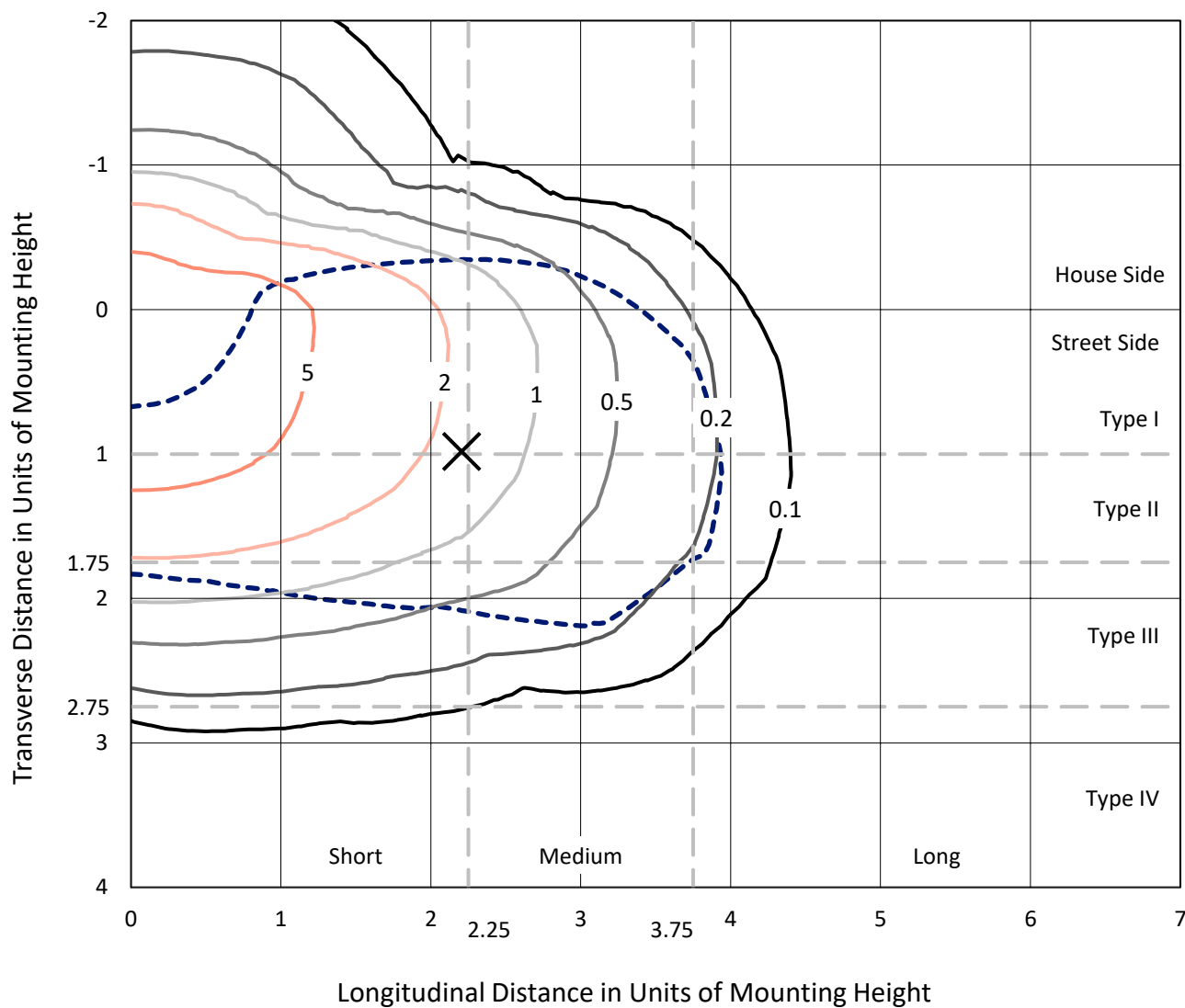
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Iso-Footcandle Lines of Horizontal Illumination

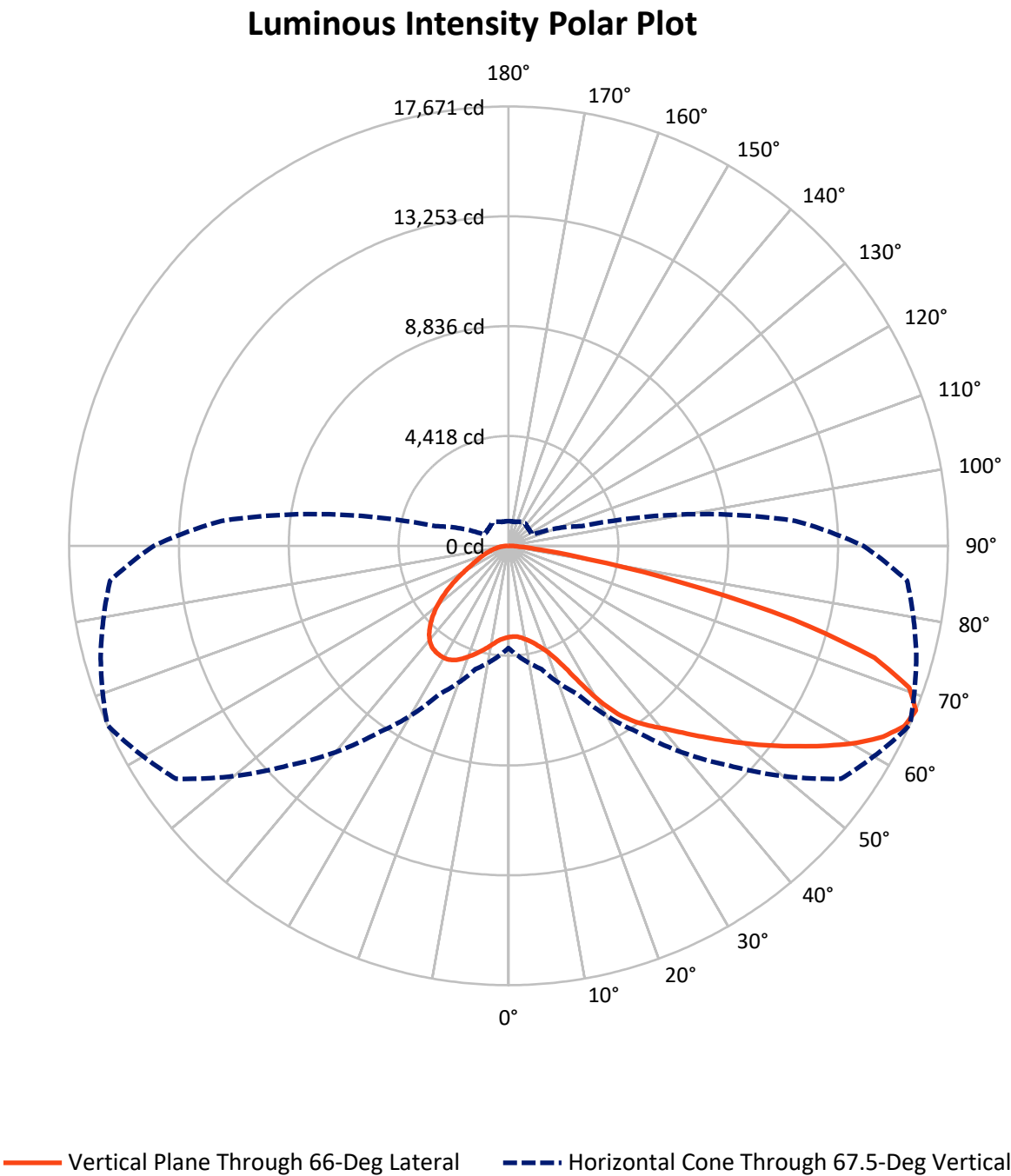
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8231.2	0.0	8231.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	24872.8	0.0	24872.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	33104.0	0.0	33104.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.0	1.1
10°-20°	1202.7	3.6
20°-30°	2318.2	7.0
30°-40°	4064.6	12.3
40°-50°	6042.7	18.3
50°-60°	7659.7	23.1
60°-70°	7494.9	22.6
70°-80°	3575.1	10.8
80°-90°	382.1	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°	33104.0	100.0
0°-180°	33104.0	100.0

Coefficient of Utilization



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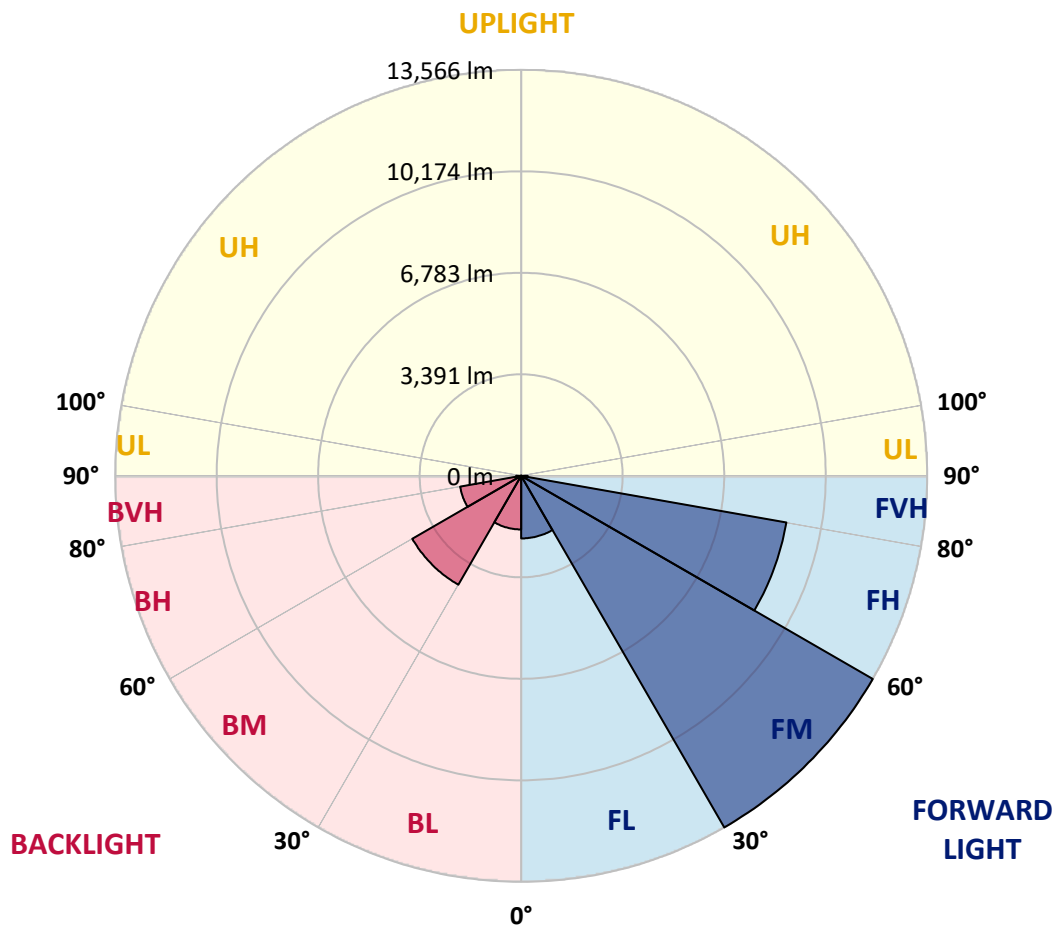
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2091.8	6.3			
FM	(30°-60°)	13565.7	41.0			
FH	(60°-80°)	8998.6	27.2			G4/12000
FVH	(80°-90°)	216.6	0.7			G2/225
BL	(0°-30°)	1793.1	5.4	B3/2500		
BM	(30°-60°)	4201.3	12.7	B3/5000		
BH	(60°-80°)	2071.4	6.3	B3/2500		G3/2500
BVH	(80°-90°)	165.5	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°	3671.7	3671.7	3671.7	3671.7	3671.7	3671.7	3671.7	3671.7	3671.7	3671.7	3671.7
2.5°	3633.4	3654.3	3649.1	3640.4	3638.6	3642.1	3647.3	3652.5	3650.8	3659.5	3673.4
5°	3623.0	3643.8	3642.1	3642.1	3649.1	3663.0	3671.7	3680.4	3671.7	3682.1	3701.2
7.5°	3629.9	3645.6	3652.5	3659.5	3676.9	3703.0	3723.9	3743.0	3732.5	3744.7	3769.1
10°	3718.6	3730.8	3737.8	3737.8	3749.9	3779.5	3800.4	3835.2	3826.5	3845.6	3876.9
12.5°	3880.4	3892.6	3892.6	3885.6	3894.3	3913.4	3920.4	3958.7	3943.0	3974.3	4005.6
15°	4078.7	4103.0	4083.9	4071.7	4075.2	4094.3	4092.6	4122.2	4106.5	4132.6	4160.4
17.5°	4297.8	4329.1	4297.8	4296.1	4289.1	4310.0	4311.7	4337.8	4310.0	4329.1	4348.3
20°	4557.0	4600.5	4574.4	4583.1	4567.4	4576.1	4584.8	4623.1	4579.6	4593.5	4588.3
22.5°	4922.2	4974.4	4946.6	4979.6	4969.2	4962.2	4960.5	5028.3	4960.5	4965.7	4915.3
25°	5454.5	5517.1	5468.4	5513.6	5513.6	5536.2	5562.3	5649.3	5536.2	5503.2	5372.7
27.5°	6240.6	6303.2	6207.6	6235.4	6226.7	6282.4	6254.5	6470.2	6348.5	6294.5	6031.9
30°	7186.8	7298.1	7117.2	7110.3	7101.6	7190.3	7230.3	7372.9	7249.4	7195.5	6878.9
32.5°	8209.5	8326.0	8110.4	8047.8	8014.7	8068.6	8035.6	8150.4	8065.2	7981.7	7590.3
35°	9291.4	9406.2	9200.9	9079.2	8947.0	8833.9	8715.7	8745.2	8665.2	8538.2	8133.0
37.5°	10314.1	10524.5	10307.1	10176.7	9933.2	9712.3	9381.8	9244.4	9169.6	9053.1	8644.3
40°	11355.9	11475.9	11310.7	11199.4	10935.0	10588.9	10060.1	9769.7	9668.8	9555.7	9209.6
42.5°	12123.0	12237.7	12149.0	12072.5	11865.5	11463.8	10780.2	10416.7	10270.6	10143.6	9849.7
45°	12731.7	12816.9	12761.3	12789.1	12700.4	12310.8	11526.4	11110.7	10959.4	10804.6	10573.2
47.5°	12976.9	13067.4	13156.1	13321.3	13472.7	13185.7	12328.2	11862.1	11702.0	11543.8	11315.9
50°	12949.1	13041.3	13298.7	13650.1	14119.7	14024.0	13173.5	12662.1	12514.3	12333.4	12123.0
52.5°	12726.5	12830.8	13161.3	13745.7	14493.6	14651.9	14034.4	13488.3	13349.2	13133.5	12923.0
55°	12142.1	12204.7	12700.4	13528.3	14582.3	15090.2	14878.0	14368.4	14229.2	13928.3	13698.8
57.5°	11058.5	11148.9	11870.8	12942.2	14359.7	15387.6	15619.0	15293.7	15159.8	14726.7	14486.7
60°	9644.4	9788.8	10615.0	11957.7	13792.7	15385.9	16292.1	16203.4	16092.0	15512.9	15262.4
62.5°	8044.3	8211.3	9006.1	10566.3	12801.3	14949.3	16713.0	16965.2	16907.8	16238.1	15918.1
65°	6178.0	6292.8	7084.2	8766.1	11258.5	14011.8	16761.7	17485.2	17495.7	16789.5	16260.8
67.5°	4113.5	4443.9	5130.9	6578.0	9192.2	12479.5	16333.8	17570.5	17671.3	16979.1	16088.6
70°	2007.2	2442.0	3115.1	4275.2	6578.0	10129.7	15215.4	16871.3	17095.6	16426.0	15062.4
72.5°	833.1	974.0	1341.0	2109.8	3776.0	6835.5	12968.3	14975.4	15391.1	14554.5	12663.9
75°	561.8	608.8	767.0	1081.8	1720.2	3370.8	9352.2	11166.3	11836.0	10992.4	8985.2
77.5°	433.1	462.7	558.3	756.6	1022.7	1274.9	5005.7	6729.4	7075.5	6550.2	4675.2
80°	340.9	363.5	417.4	551.4	725.3	681.8	1706.3	3049.0	3249.0	2725.5	1502.8
82.5°	295.7	304.4	299.2	374.0	481.8	398.3	560.1	1125.3	1241.9	901.0	490.5
85°	213.9	238.3	248.7	231.3	255.7	201.8	229.6	398.3	438.3	391.3	276.5
87.5°	87.0	128.7	158.3	149.6	93.9	57.4	71.3	116.5	133.9	146.1	90.4
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°	3671.7	3671.7	3671.7	3671.7	3671.7	3671.7	3671.7	3671.7	3671.7	3671.7	3671.7
2.5°	3675.1	3687.3	3696.0	3706.5	3713.4	3723.9	3744.7	3756.9	3758.6	3767.3	3765.6
5°	3708.2	3725.6	3744.7	3772.6	3803.9	3829.9	3870.0	3897.8	3908.2	3916.9	3915.2
7.5°	3779.5	3803.9	3838.6	3887.3	3932.6	3967.4	4016.1	4049.1	4082.1	4094.3	4096.1
10°	3885.6	3920.4	3970.8	4036.9	4085.6	4130.8	4181.3	4209.1	4242.2	4256.1	4263.0
12.5°	4017.8	4054.3	4120.4	4212.6	4257.8	4289.1	4306.5	4299.6	4306.5	4318.7	4322.2
15°	4169.1	4209.1	4283.9	4383.0	4414.4	4386.5	4348.3	4313.5	4308.3	4311.7	4323.9
17.5°	4348.3	4377.8	4464.8	4548.3	4525.7	4410.9	4327.4	4271.7	4243.9	4235.2	4247.4
20°	4598.7	4598.7	4670.0	4722.2	4570.9	4376.1	4245.6	4155.2	4097.8	4073.5	4068.2
22.5°	4903.1	4875.3	4920.5	4884.0	4562.2	4278.7	4097.8	3941.3	3854.3	3819.5	3814.3
25°	5289.2	5256.2	5244.0	5017.9	4499.6	4123.9	3829.9	3640.4	3563.8	3544.7	3548.2
27.5°	5871.9	5788.4	5630.1	5090.9	4384.8	3880.4	3516.9	3341.2	3297.7	3299.5	3304.7
30°	6647.6	6480.6	6092.8	5103.1	4196.9	3536.0	3196.8	3071.6	3050.7	3059.4	3089.0
32.5°	7366.0	7207.7	6565.9	5047.5	3908.2	3198.6	2909.9	2826.4	2795.1	2805.5	2819.4
35°	7929.5	7886.0	7004.2	4969.2	3553.4	2882.0	2652.4	2581.1	2520.3	2506.3	2516.8
37.5°	8461.7	8444.3	7332.9	4859.6	3202.1	2657.7	2445.5	2351.5	2262.8	2214.1	2215.9
40°	9046.1	9028.7	7548.6	4690.9	2890.7	2462.9	2259.4	2135.9	2026.3	1937.6	1946.3
42.5°	9703.6	9601.0	7651.2	4449.1	2626.3	2297.6	2108.0	1941.1	1796.7	1715.0	1720.2
45°	10421.9	10190.6	7649.5	4141.3	2403.7	2146.3	1946.3	1709.7	1575.8	1499.3	1495.8
47.5°	11183.7	10754.1	7555.5	3800.4	2188.0	1979.3	1695.8	1514.9	1426.2	1379.3	1368.8
50°	11969.9	11281.1	7395.5	3409.0	1967.2	1789.7	1539.3	1415.8	1348.0	1304.5	1288.8
52.5°	12709.1	11759.4	7202.5	2965.5	1742.8	1605.4	1469.7	1374.1	1302.7	1254.0	1233.2
55°	13396.1	12171.7	6929.4	2511.6	1560.2	1481.9	1436.7	1356.7	1274.9	1217.5	1194.9
57.5°	14006.6	12439.5	6458.0	2085.4	1429.7	1396.7	1401.9	1327.1	1233.2	1184.5	1153.2
60°	14514.5	12636.0	5760.6	1690.6	1323.6	1313.2	1348.0	1271.4	1161.9	1106.2	1081.8
62.5°	14818.9	12632.6	4904.8	1384.5	1233.2	1236.6	1276.6	1201.9	1090.5	1038.4	1022.7
65°	14792.8	12323.0	3965.6	1184.5	1146.2	1149.7	1201.9	1125.3	1031.4	1000.1	998.4
67.5°	14269.3	11568.1	3042.0	1054.0	1050.5	1066.2	1127.1	1073.2	994.9	991.4	996.6
70°	12851.7	10001.0	2191.5	949.7	951.4	974.0	1054.0	1040.1	975.7	982.7	981.0
72.5°	10305.4	7625.1	1471.5	840.1	841.8	878.3	984.4	1014.0	956.6	1048.8	1062.7
75°	6863.3	4755.3	946.2	723.6	725.3	772.3	923.6	963.6	904.4	1045.3	1054.0
77.5°	3297.7	2137.6	685.3	608.8	608.8	652.2	798.3	862.7	770.5	812.3	744.4
80°	1139.2	803.6	539.2	490.5	480.0	509.6	673.1	747.9	664.4	612.2	574.0
82.5°	448.7	417.4	433.1	380.9	346.1	365.3	523.5	617.5	488.7	441.8	440.0
85°	257.4	271.3	306.1	252.2	200.0	224.4	384.4	443.5	368.7	325.2	332.2
87.5°	69.6	95.7	140.9	130.4	90.4	95.7	182.6	245.2	212.2	163.5	168.7
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)