

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: P953057

Luminaire Tested: **GALN-SB6D-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
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-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51659 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B5 - 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

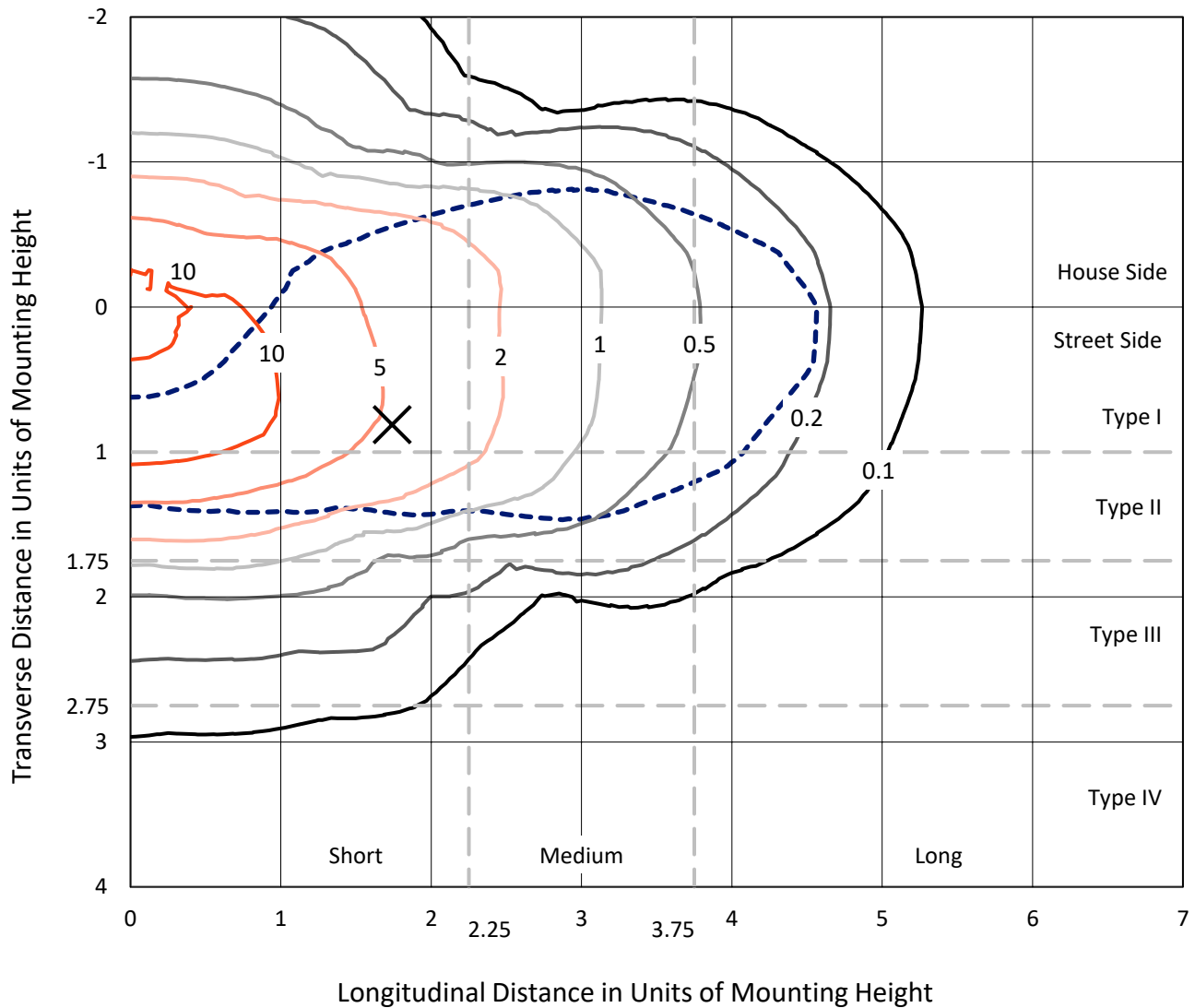


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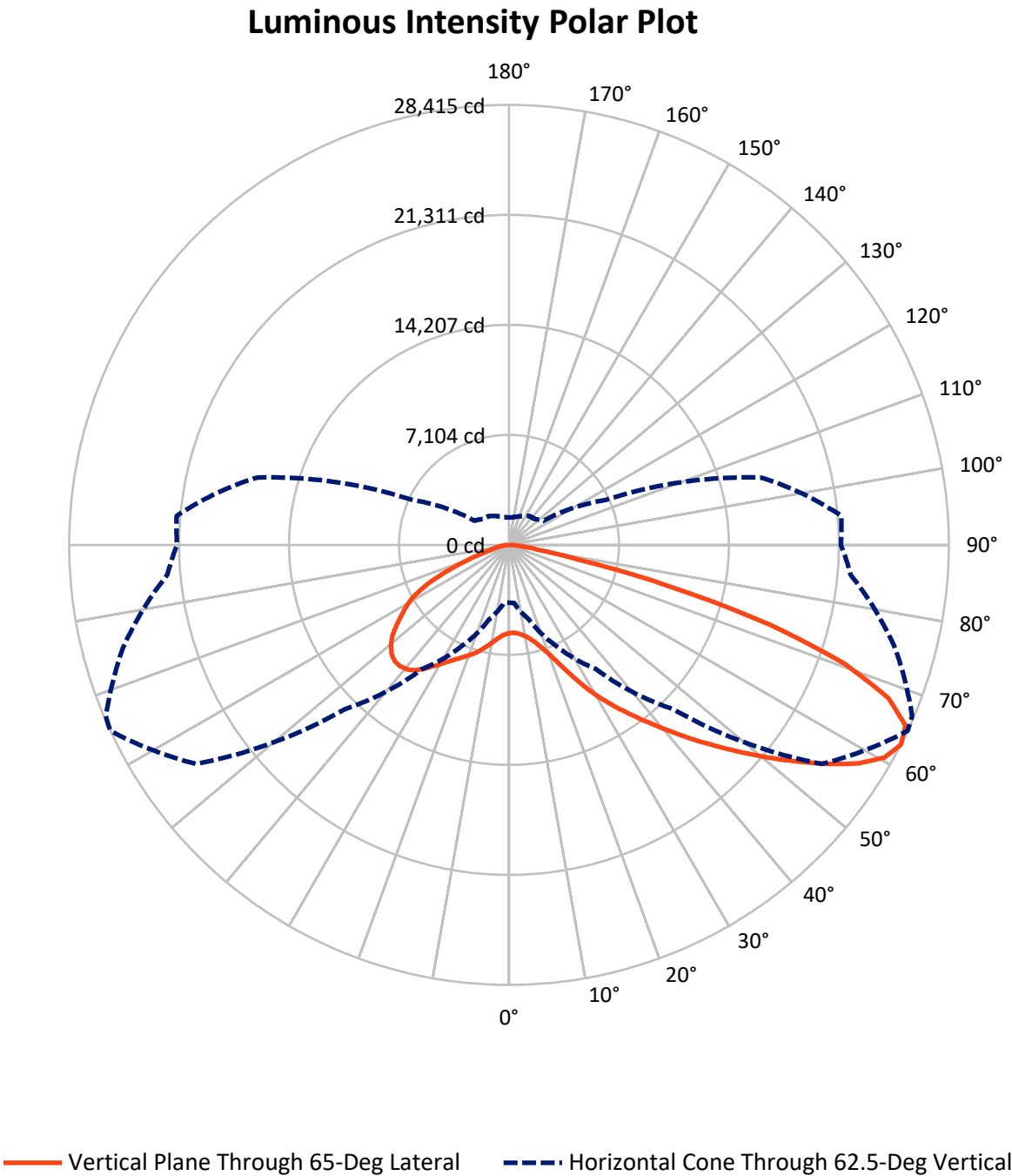
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16301.3	0.0	16301.3
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	35357.7	0.0	35357.7
	% Fixture	68.4	0.0	68.4
Total	Lumens	51659.0	0.0	51659.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.6	1.1
10°-20°	1924.6	3.7
20°-30°	3902.3	7.6
30°-40°	6752.9	13.1
40°-50°	10219.2	19.8
50°-60°	11981.4	23.2
60°-70°	10045.0	19.4
70°-80°	5545.6	10.7
80°-90°	720.4	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°	51659.0	100.0
0°-180°	51659.0	100.0

Coefficient of Utilization



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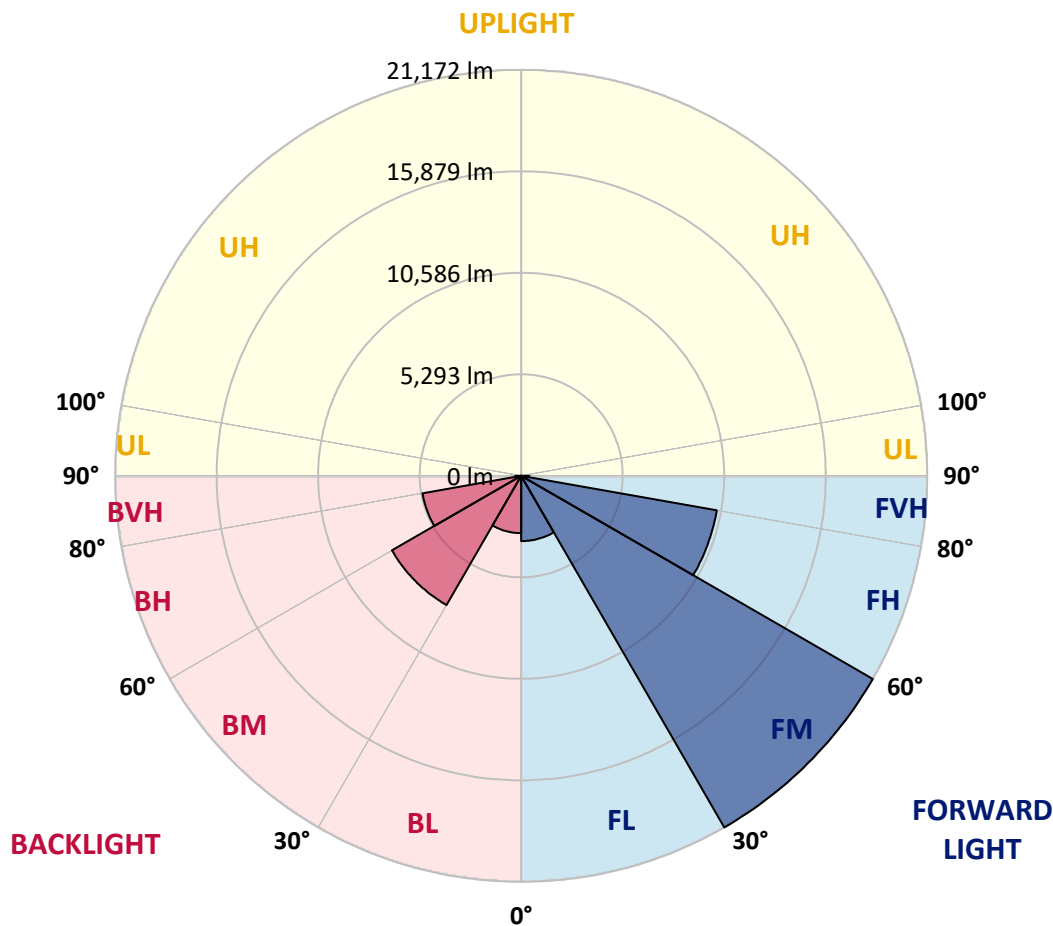
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3405.0	6.6			
FM	(30°-60°)	21171.5	41.0			
FH	(60°-80°)	10361.3	20.1			G4/12000
FVH	(80°-90°)	419.8	0.8			G3/500
BL	(0°-30°)	2989.5	5.8	B4/5000		
BM	(30°-60°)	7782.0	15.1	B4/8500		
BH	(60°-80°)	5229.3	10.1	B5		G5
BVH	(80°-90°)	300.5	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5692.6	5692.6	5692.6	5692.6	5692.6	5692.6	5692.6	5692.6	5692.6	5692.6	5692.6
2.5°	5655.1	5639.0	5652.4	5652.4	5657.8	5655.1	5673.8	5679.2	5687.2	5703.3	5703.3
5°	5598.8	5596.1	5620.2	5641.7	5663.1	5681.9	5706.0	5740.8	5746.2	5765.0	5789.1
7.5°	5580.0	5564.0	5601.5	5628.3	5679.2	5724.8	5789.1	5848.0	5872.2	5880.2	5925.8
10°	5724.8	5698.0	5732.8	5748.9	5791.8	5837.3	5912.4	6006.2	6033.0	6065.1	6116.1
12.5°	5971.3	5941.8	5992.8	6016.9	6057.1	6097.3	6148.2	6239.3	6252.7	6311.7	6360.0
15°	6309.0	6274.2	6306.3	6335.8	6402.8	6440.4	6491.3	6579.7	6579.7	6625.3	6660.1
17.5°	6767.3	6721.8	6745.9	6756.6	6799.5	6855.8	6941.5	7019.3	7059.5	7043.4	6995.1
20°	7450.8	7394.5	7394.5	7340.9	7324.8	7370.4	7482.9	7590.1	7633.0	7549.9	7432.0
22.5°	8477.3	8396.8	8351.3	8169.0	8096.7	8102.0	8214.6	8345.9	8380.8	8233.4	7968.0
25°	9782.5	9656.5	9594.9	9326.9	9163.4	9021.3	9109.8	9278.6	9326.9	9144.6	8715.8
27.5°	11087.7	11095.7	11036.8	10715.2	10444.5	10184.5	10138.9	10315.8	10366.7	10160.4	9629.7
30°	12918.2	12727.9	12615.4	12229.4	11843.5	11479.0	11291.4	11363.8	11377.2	11130.6	10514.2
32.5°	14496.8	14448.6	14207.4	13869.7	13373.9	12803.0	12489.4	12374.2	12352.7	12001.6	11269.9
35°	16295.2	16268.4	16013.8	15611.8	15075.7	14282.4	13716.9	13387.3	13360.5	12867.3	12017.7
37.5°	18123.0	18123.0	17873.8	17434.3	16879.5	15887.8	15027.5	14504.9	14419.1	13775.9	12778.9
40°	19581.0	19492.6	19538.2	19353.2	18718.0	17664.7	16482.8	15724.3	15609.1	14837.2	13588.3
42.5°	20409.2	20379.7	20653.1	20859.5	20599.5	19757.9	18085.5	17045.6	16884.8	16005.7	14520.9
45°	20594.1	20562.0	21049.7	21805.5	22170.0	21824.3	19827.6	18436.6	18241.0	17227.9	15520.6
47.5°	20168.0	20103.7	20819.3	22011.9	23180.5	23788.8	21714.4	19945.5	19661.4	18417.9	16547.1
50°	18886.9	18825.2	19908.0	21492.0	23520.8	25123.5	23762.0	21545.6	21111.4	19693.6	17584.3
52.5°	16102.2	16131.7	17828.2	20004.5	23073.2	25954.4	25525.6	23231.4	22708.7	20998.8	18557.2
55°	12543.0	12607.3	14692.5	17088.5	21282.9	25828.4	26728.9	24968.1	24448.2	22226.3	19562.3
57.5°	8981.1	9265.2	11219.0	13590.9	17844.3	23831.7	26991.6	26619.1	26115.2	23566.4	20545.9
60°	5821.2	5872.2	7882.3	10272.9	13588.3	20283.2	26458.3	27870.7	27476.7	24933.3	21368.7
62.5°	3730.7	3765.6	4990.4	7185.4	9779.8	15006.1	24662.6	28414.7	28294.1	25836.5	22159.3
65°	2741.8	2715.0	3352.8	4749.2	6587.8	9254.5	21175.7	28152.1	28390.6	26402.0	22813.3
67.5°	2288.8	2251.3	2564.9	3288.5	4853.7	5255.7	15668.0	26444.9	27318.6	26337.6	23293.0
70°	2085.1	2053.0	2243.3	2441.6	3787.0	3519.0	7898.3	22990.2	24335.6	25606.0	23215.3
72.5°	1766.2	1709.9	1969.9	2168.2	2945.5	2698.9	3264.4	17659.4	19299.6	23260.9	22121.8
75°	1369.5	1332.0	1554.5	1908.3	2213.8	2106.6	2063.7	10723.2	12513.5	17989.0	19353.2
77.5°	1085.5	1034.5	1238.2	1487.5	1991.3	1589.3	1503.6	4617.9	6392.1	11484.4	14480.7
80°	817.4	771.9	940.7	1176.6	1530.4	1198.0	972.9	1884.1	2409.4	5818.6	7281.9
82.5°	581.6	541.4	656.6	863.0	1029.2	1074.7	597.7	1056.0	1187.3	2243.3	1626.8
85°	372.5	348.4	439.5	541.4	654.0	691.5	364.5	552.1	605.7	924.6	678.1
87.5°	203.7	166.2	235.9	251.9	302.9	276.1	174.2	201.0	217.1	335.0	286.8
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°	5692.6	5692.6	5692.6	5692.6	5692.6	5692.6	5692.6	5692.6	5692.6	5692.6	5692.6
2.5°	5714.0	5722.1	5748.9	5756.9	5775.7	5799.8	5815.9	5832.0	5832.0	5848.0	5848.0
5°	5791.8	5810.5	5866.8	5896.3	5944.5	5992.8	6022.3	6057.1	6078.5	6089.3	6094.6
7.5°	5941.8	5971.3	6051.7	6102.7	6185.7	6252.7	6298.3	6346.5	6357.3	6386.8	6376.0
10°	6145.5	6180.4	6271.5	6368.0	6467.2	6550.2	6593.1	6628.0	6641.4	6646.7	6633.3
12.5°	6378.7	6429.6	6547.6	6665.5	6770.0	6842.4	6853.1	6845.1	6807.5	6775.4	6775.4
15°	6665.5	6711.0	6842.4	6971.0	7072.9	7086.3	7019.3	6976.4	6930.8	6922.8	6922.8
17.5°	7008.5	7032.7	7153.3	7279.2	7287.3	7241.7	7142.5	7102.3	7059.5	7030.0	7032.7
20°	7407.9	7399.8	7485.6	7539.2	7482.9	7343.6	7193.5	7126.5	7083.6	7048.7	7051.4
22.5°	7884.9	7823.3	7812.6	7799.2	7649.1	7357.0	7153.3	7067.5	7000.5	6952.3	6968.3
25°	8579.1	8343.2	8179.8	8088.6	7750.9	7284.6	7024.6	6834.3	6708.4	6625.3	6657.4
27.5°	9447.5	9050.8	8638.1	8415.6	7750.9	7137.2	6713.7	6405.5	6199.1	6113.4	6156.3
30°	10275.6	9860.2	9251.8	8809.6	7732.2	6896.0	6212.5	5783.7	5542.5	5456.7	5507.7
32.5°	10983.2	10530.2	9903.1	9241.1	7686.6	6504.7	5590.8	5116.4	4883.2	4781.4	4832.3
35°	11639.8	11157.4	10557.0	9715.5	7566.0	5931.1	4907.3	4545.5	4285.5	4122.0	4175.6
37.5°	12312.5	11739.0	11176.1	10144.3	7348.9	5261.1	4382.0	4073.8	3768.3	3548.5	3607.5
40°	13044.2	12358.1	11838.1	10398.9	6992.5	4623.2	3974.6	3693.2	3368.9	3135.8	3181.3
42.5°	13899.2	13100.5	12575.2	10530.2	6504.7	4170.3	3709.3	3433.2	3127.7	2937.4	2974.9
45°	14791.6	13917.9	13247.9	10527.6	5960.6	3958.6	3623.5	3350.2	3012.5	2814.1	2846.3
47.5°	15727.0	14772.9	13829.5	10356.0	5488.9	3988.0	3575.3	3170.6	2798.1	2605.1	2631.9
50°	16665.1	15708.2	14392.3	10034.4	5287.9	3923.7	3395.7	2918.7	2479.1	2304.9	2315.6
52.5°	17595.1	16702.6	14877.4	9576.1	5084.2	3685.2	3165.2	2591.7	2347.8	2227.2	2227.2
55°	18530.4	17686.2	15405.4	8908.8	4575.0	3406.4	2779.3	2468.4	2243.3	2133.4	2122.7
57.5°	19468.5	18822.6	15906.6	8241.4	3934.4	3063.4	2567.6	2318.3	2138.7	2044.9	2028.9
60°	20444.0	20122.4	16423.8	7627.7	3301.9	2623.8	2412.1	2197.7	2015.5	1910.9	1902.9
62.5°	21449.1	21553.6	16828.5	6837.0	2720.3	2355.8	2272.8	2053.0	1876.1	1776.9	1774.2
65°	22462.2	22933.9	17093.9	5740.8	2205.7	2101.2	2122.7	1894.9	1715.3	1629.5	1626.8
67.5°	23226.0	23928.2	17018.8	4344.5	1809.1	1860.0	1935.1	1728.7	1559.8	1492.8	1495.5
70°	23311.8	23810.3	16279.1	2974.9	1514.3	1624.2	1726.0	1565.2	1391.0	1342.7	1345.4
72.5°	22170.0	22202.2	14218.1	1943.1	1281.1	1425.8	1506.2	1399.0	1230.2	1181.9	1179.3
75°	19176.3	18361.6	10439.1	1281.1	1072.1	1224.8	1299.9	1224.8	1061.3	1072.1	1034.5
77.5°	14529.0	13004.0	6338.5	911.2	895.2	1029.2	1131.0	1077.4	938.0	1053.3	927.3
80°	7485.6	7035.3	2827.5	680.8	707.6	822.8	930.0	860.3	742.4	707.6	645.9
82.5°	1715.3	1994.0	1114.9	487.8	511.9	592.3	710.2	645.9	533.3	450.3	444.9
85°	600.3	656.6	493.1	305.5	300.2	369.9	482.4	431.5	361.8	289.5	305.5
87.5°	190.3	249.3	184.9	123.3	128.6	166.2	222.5	203.7	168.8	109.9	115.2
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)