

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: P944662

Luminaire Tested: **GALN-SB9D-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9D-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 75899 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 658
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

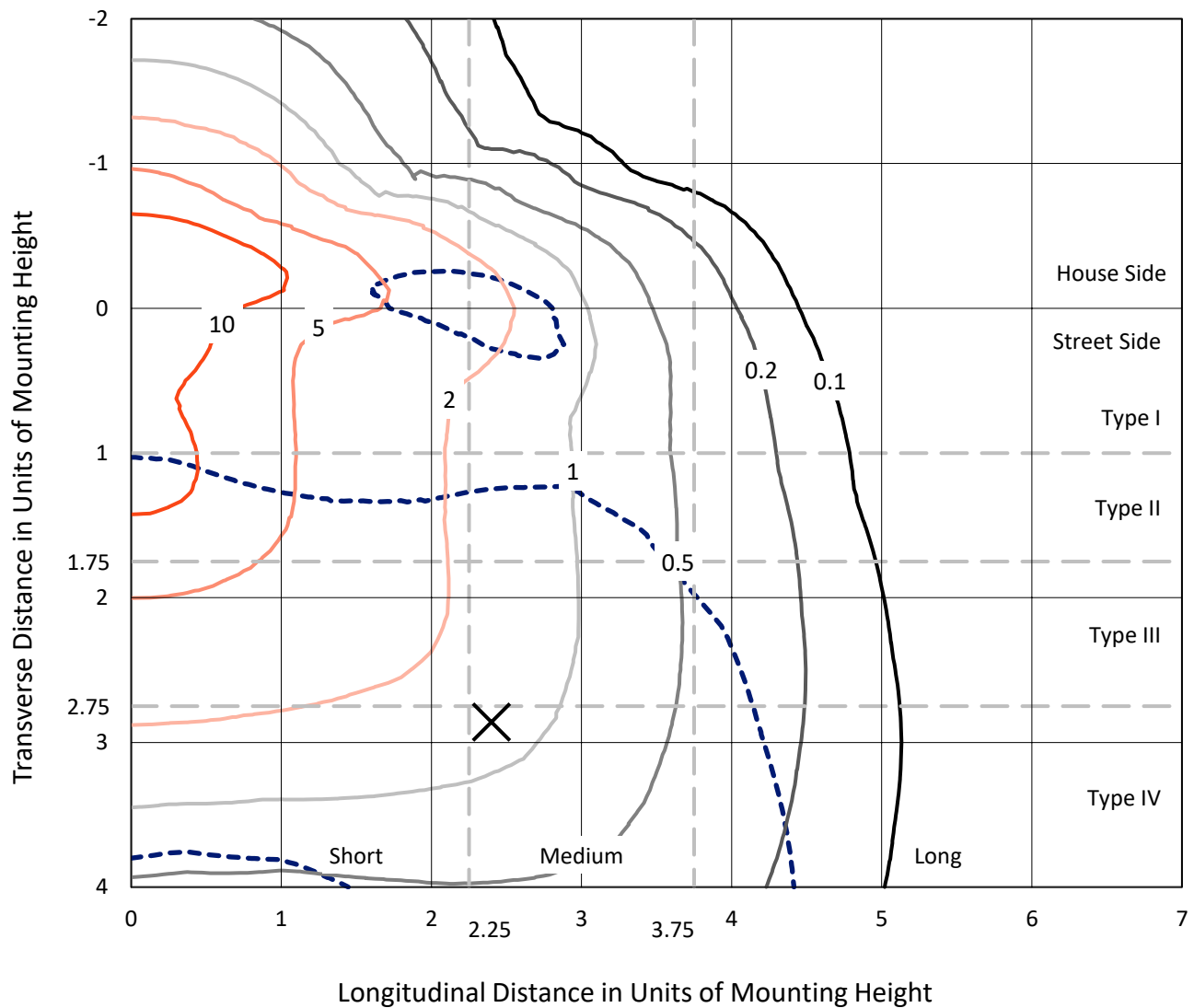


REPORT NUMBER: P944662

CATALOG NUMBER: GALN-SB9D-722-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

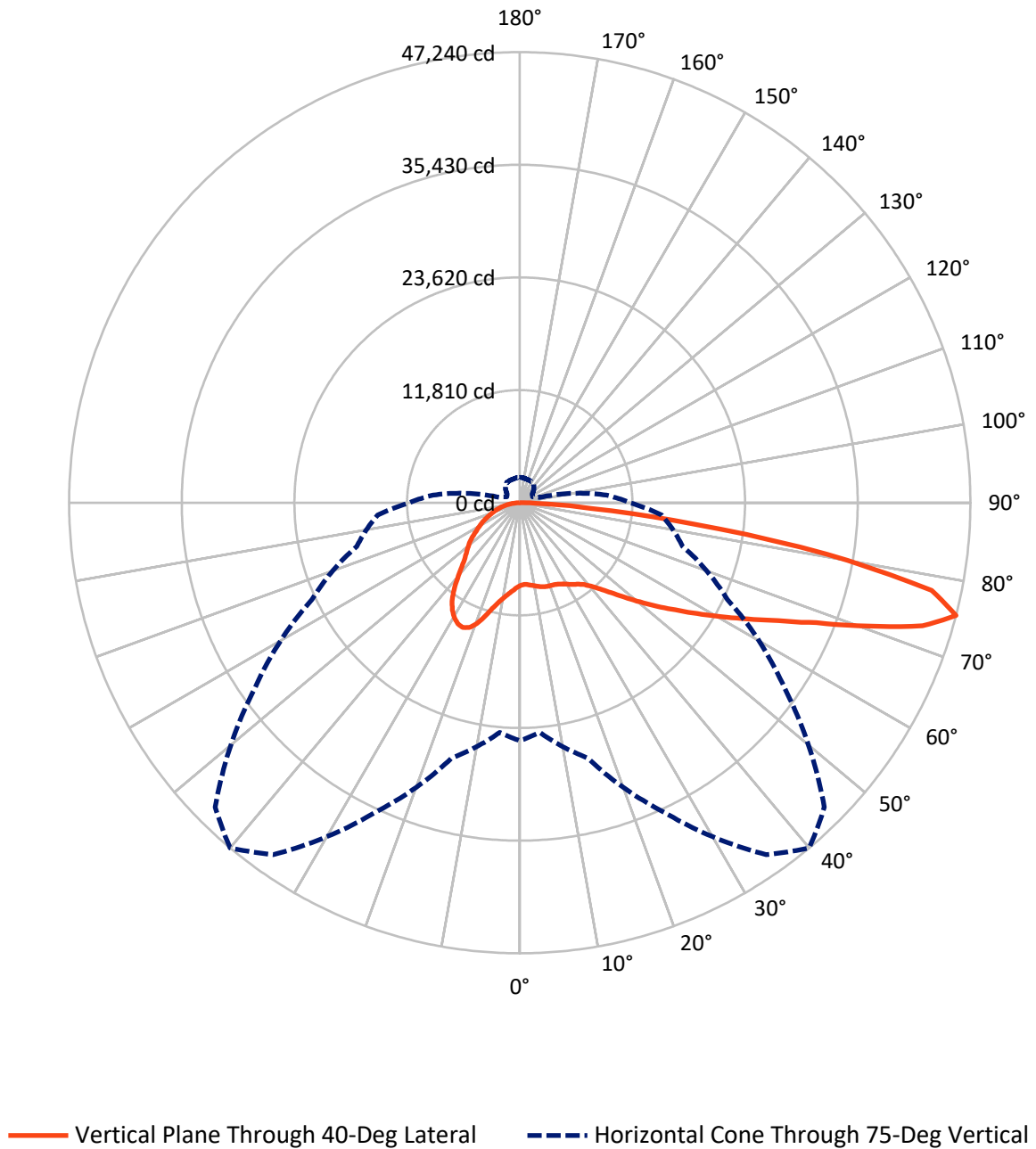


Based on 25 foot mounting height. Maximum calculated value = 17.9 fc
Type IV - Medium - N/A

REPORT NUMBER: P944662

CATALOG NUMBER: GALN-SB9D-722-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P944662

CATALOG NUMBER: GALN-SB9D-722-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23516.0	0.0	23516.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	52383.0	0.0	52383.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	75899.0	0.0	75899.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	866.4	1.1
10°-20°	2908.7	3.8
20°-30°	5311.1	7.0
30°-40°	7532.6	9.9
40°-50°	10171.2	13.4
50°-60°	13683.0	18.0
60°-70°	17366.9	22.9
70°-80°	15761.6	20.8
80°-90°	2297.5	3.0
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°	75899.0	100.0
0°-180°	75899.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944662

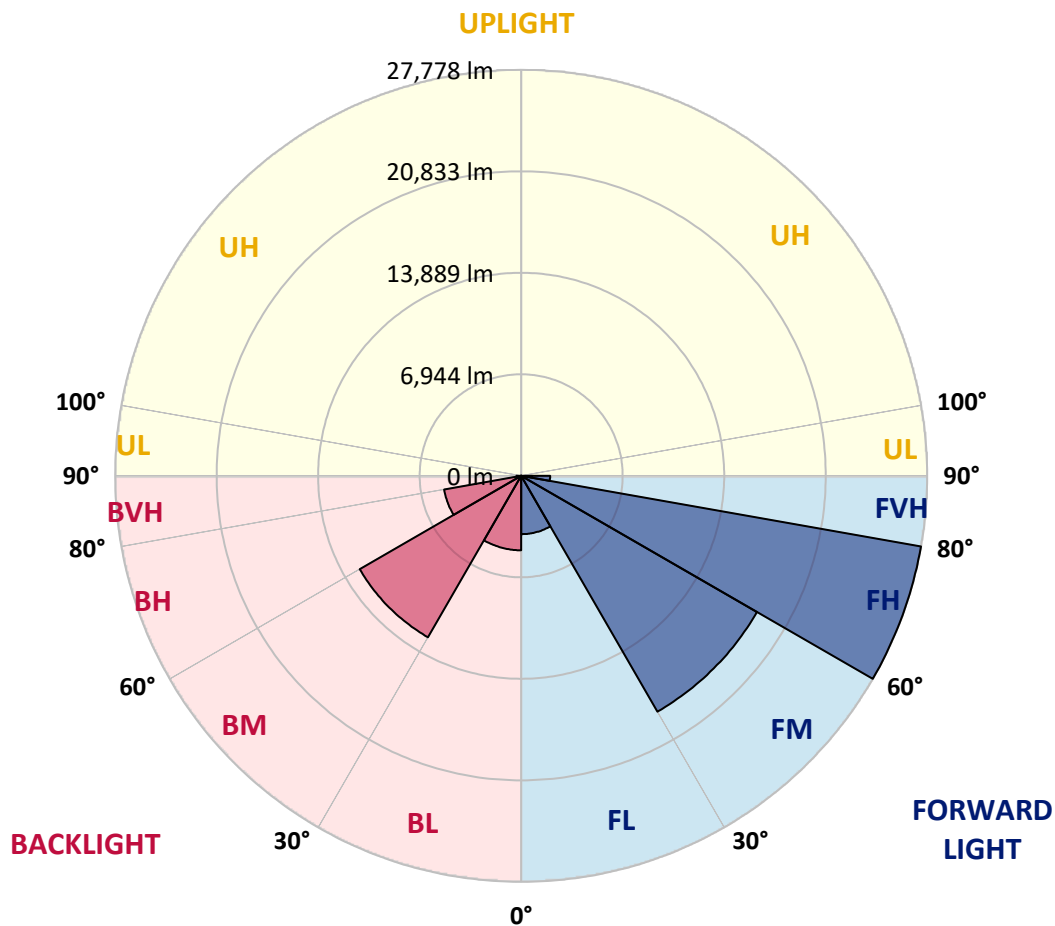
CATALOG NUMBER: GALN-SB9D-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3992.4	5.3			
FM	(30°-60°)	18631.5	24.5			
FH	(60°-80°)	27777.9	36.6			G5
FVH	(80°-90°)	1981.2	2.6			G5
BL	(0°-30°)	5093.8	6.7	B5		
BM	(30°-60°)	12755.3	16.8	B5		
BH	(60°-80°)	5350.6	7.0	B5		G5
BVH	(80°-90°)	316.3	0.4			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 IV Medium



REPORT NUMBER: P944662

CATALOG NUMBER: GALN-SB9D-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	8679.2	8679.2	8679.2	8679.2	8679.2	8679.2	8679.2	8679.2	8679.2	8679.2	8679.2
2.5°	8546.3	8594.6	8582.5	8566.4	8566.4	8570.5	8566.4	8594.6	8622.8	8651.0	8695.3
5°	8634.9	8683.2	8659.0	8638.9	8622.8	8618.8	8606.7	8602.7	8618.8	8655.0	8715.4
7.5°	8808.0	8856.3	8820.0	8783.8	8751.6	8735.5	8719.4	8695.3	8683.2	8703.3	8787.8
10°	9001.2	9049.5	9005.2	8940.8	8888.5	8868.4	8852.3	8828.1	8812.0	8824.1	8916.7
12.5°	9194.4	9242.7	9182.3	9093.8	9025.4	9013.3	8993.1	8985.1	8981.1	8977.0	9069.6
15°	9375.6	9415.8	9339.3	9234.7	9162.2	9142.1	9122.0	9134.0	9154.2	9178.3	9283.0
17.5°	9516.5	9556.7	9444.0	9307.1	9238.7	9230.7	9218.6	9258.8	9315.2	9375.6	9504.4
20°	9645.3	9685.5	9540.6	9355.4	9274.9	9274.9	9279.0	9363.5	9444.0	9532.6	9709.7
22.5°	9826.4	9858.6	9681.5	9427.9	9311.2	9319.2	9351.4	9436.0	9536.6	9657.4	9902.9
25°	10096.2	10120.3	9902.9	9564.8	9431.9	9456.1	9484.3	9524.5	9621.1	9762.0	10092.1
27.5°	10530.9	10551.0	10265.2	9806.3	9605.0	9645.3	9685.5	9657.4	9701.6	9822.4	10245.1
30°	11142.8	11154.9	10792.6	10184.7	9898.9	9919.0	9927.1	9810.3	9725.8	9822.4	10353.8
32.5°	11867.4	11863.4	11432.6	10643.6	10233.0	10212.9	10144.5	9915.0	9717.8	9802.3	10450.4
35°	12990.5	12946.3	12390.7	11287.7	10611.4	10486.6	10325.6	10031.7	9758.0	9782.2	10534.9
37.5°	14850.4	14713.5	13944.6	12342.4	11175.0	10857.0	10619.5	10220.9	9846.6	9774.1	10635.6
40°	16947.7	16774.6	15929.2	13787.6	12020.4	11509.1	11126.7	10490.7	9991.5	9810.3	10784.5
42.5°	19435.5	19189.9	18280.2	15490.4	13091.2	12350.5	11774.8	10832.8	10204.8	9927.1	10985.8
45°	22490.9	22164.8	20876.7	17410.6	14439.8	13453.5	12684.6	11352.1	10530.9	10152.5	11287.7
47.5°	25578.5	25659.1	23827.4	19608.6	16058.0	14814.1	13823.8	12133.1	11005.9	10514.8	11774.8
50°	28859.4	28915.7	26762.1	22044.1	17893.7	16351.9	15104.0	13006.7	11666.1	11030.1	12503.5
52.5°	31419.7	31427.7	29427.0	24592.3	19805.9	18042.7	16484.8	14005.0	12431.0	11714.4	13473.6
55°	33021.8	33001.7	31294.9	27003.6	22003.8	19817.9	18014.5	15140.2	13364.9	12519.6	14693.4
57.5°	34185.2	34124.8	32583.0	29076.8	24346.7	21915.3	19745.5	16428.4	14467.9	13477.6	16299.6
60°	34628.0	34591.8	33456.6	30868.2	26810.4	24234.0	21742.2	17869.6	15719.9	14608.8	18364.7
62.5°	34797.1	34865.6	34314.0	32603.2	29447.1	26802.3	23936.1	19592.5	17128.8	15889.0	20542.5
65°	35392.9	35517.7	35405.0	34873.6	32426.1	29809.4	26846.6	21641.5	18666.6	17261.7	22817.0
67.5°	36572.4	36697.2	36745.5	37590.9	36065.2	33557.2	30477.7	24193.7	20466.1	18686.7	24527.9
70°	36544.2	36508.0	37361.4	39752.6	40622.1	38746.2	35372.8	27333.7	22611.7	19870.3	24745.2
72.5°	33263.4	32973.5	34990.3	39728.5	44414.2	44164.6	41350.8	31383.4	24463.5	20015.2	21472.4
75°	24954.6	24181.7	27744.3	35803.5	45046.2	47240.2	45150.9	33895.4	24024.7	17684.4	14943.0
77.5°	10671.8	9894.9	14093.6	26504.4	40316.2	44160.6	41664.8	29571.9	19177.9	11694.3	7338.6
80°	2793.8	2789.7	4259.1	12016.4	27418.2	32611.2	28609.8	19097.4	10957.6	4178.6	2024.9
82.5°	1155.3	1127.2	1566.0	4673.7	13397.1	18300.3	14934.9	8518.1	3957.1	1131.2	672.3
85°	430.7	426.7	760.8	1614.3	4726.0	7548.0	5462.7	2177.8	986.3	551.5	301.9
87.5°	120.8	116.7	165.0	559.6	1151.3	1747.1	933.9	358.3	277.8	217.4	88.6
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: P944662

CATALOG NUMBER: GALN-SB9D-722-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8679.2	8679.2	8679.2	8679.2	8679.2	8679.2	8679.2	8679.2	8679.2	8679.2	8679.2
2.5°	8707.3	8727.5	8763.7	8791.9	8828.1	8868.4	8924.7	8960.9	8997.2	9021.3	9005.2
5°	8743.6	8787.8	8880.4	8973.0	9081.7	9182.3	9299.1	9383.6	9452.1	9472.2	9480.2
7.5°	8824.1	8896.5	9053.5	9210.5	9383.6	9548.7	9717.8	9862.7	9979.4	10023.7	10027.7
10°	8965.0	9061.6	9283.0	9504.4	9733.9	9987.5	10204.8	10414.2	10579.2	10647.7	10651.7
12.5°	9142.1	9262.9	9552.7	9858.6	10176.7	10526.9	10808.7	11066.3	11271.6	11364.2	11364.2
15°	9371.6	9528.5	9898.9	10309.5	10776.5	11263.6	11621.9	11907.7	12137.1	12249.8	12241.8
17.5°	9621.1	9830.5	10297.4	10917.4	11585.6	12225.7	12644.3	12853.7	13091.2	13199.9	13195.9
20°	9862.7	10120.3	10788.6	11690.3	12579.9	13260.3	13598.4	13654.8	13670.9	13682.9	13715.2
22.5°	10112.3	10458.5	11404.5	12664.5	13618.5	14089.5	14137.8	13896.3	13558.2	13401.2	13445.4
25°	10386.0	10844.9	12209.6	13739.3	14512.2	14568.6	14198.2	13610.5	12970.4	12676.6	12720.8
27.5°	10651.7	11291.8	13175.7	14765.8	15156.3	14661.2	13864.1	13030.8	12257.9	11947.9	11984.2
30°	10917.4	11803.0	14242.5	15663.5	15450.2	14431.7	13336.7	12406.8	11629.9	11303.8	11340.1
32.5°	11187.1	12398.8	15470.3	16311.7	15397.8	13944.6	12680.6	11706.4	11022.0	10679.9	10724.1
35°	11493.0	13131.4	16633.7	16665.9	15047.6	13228.1	11815.1	10869.1	10273.3	9999.5	10059.9
37.5°	11891.6	14061.4	17660.2	16754.5	14435.7	12177.4	10740.2	9878.8	9387.7	9262.9	9351.4
40°	12386.7	15180.5	18445.2	16613.6	13530.0	10901.3	9564.8	8876.4	8598.6	8626.8	8723.4
42.5°	13030.8	16432.4	18996.7	16251.3	12270.0	9584.9	8534.2	8228.3	8361.1	8473.8	8578.5
45°	13868.1	17732.7	19338.9	15635.4	10844.9	8469.8	7926.4	7998.8	8099.5	8111.5	8192.1
47.5°	14938.9	19049.0	19564.3	14705.4	9391.7	7684.8	7539.9	7556.0	7535.9	7451.3	7515.8
50°	16275.4	20329.2	19765.6	13473.6	8155.8	7193.7	7000.5	6944.1	6666.4	6392.6	6428.9
52.5°	17797.1	21504.7	19850.1	11943.9	7193.7	6783.1	6469.1	6114.9	5595.6	5511.0	5539.2
55°	19487.8	22591.6	19632.8	10064.0	6384.6	6255.8	5780.7	5354.0	5297.7	5225.2	5237.3
57.5°	21508.7	23763.0	19189.9	7966.6	5555.3	5639.8	5176.9	5225.2	5124.6	5011.8	4991.7
60°	23718.7	24974.7	18413.0	6054.5	4697.9	4871.0	5019.9	5015.9	4987.7	4895.1	4862.9
62.5°	25707.4	25771.8	16883.3	4637.5	3945.1	4275.2	4681.8	4677.7	4653.6	4601.2	4581.1
65°	26890.9	25651.0	14331.1	3651.2	3325.1	3784.0	4222.8	4255.0	4259.1	4255.0	4255.0
67.5°	26681.5	24238.0	10828.8	2906.5	2813.9	3284.9	3767.9	3812.2	3844.4	3852.5	3860.5
70°	24314.5	21134.3	7060.9	2318.7	2359.0	2846.1	3337.2	3381.5	3409.7	3441.9	3458.0
72.5°	18952.4	15538.7	4041.7	1875.9	1960.5	2467.7	2910.5	2962.8	2978.9	3039.3	3063.5
75°	11549.4	9138.1	2181.9	1477.4	1610.2	2109.4	2487.8	2548.2	2576.4	2648.8	2656.9
77.5°	5490.9	3957.1	1243.9	1151.3	1296.2	1722.9	2101.4	2169.8	2093.3	2133.6	2101.4
80°	1855.8	1469.3	785.0	877.6	990.3	1344.5	1682.7	1751.1	1590.1	1582.1	1566.0
82.5°	648.1	595.8	499.2	583.7	640.1	962.1	1272.1	1360.6	1183.5	1179.5	1123.1
85°	253.6	241.5	277.8	318.0	382.4	591.8	837.3	881.6	728.6	587.7	579.7
87.5°	52.3	56.4	68.4	72.5	116.7	205.3	301.9	370.4	293.9	249.6	229.5
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)