

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: P942457

Luminaire Tested: **GALN-SB6C-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942457
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-SB6C-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 37542 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 300.9
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



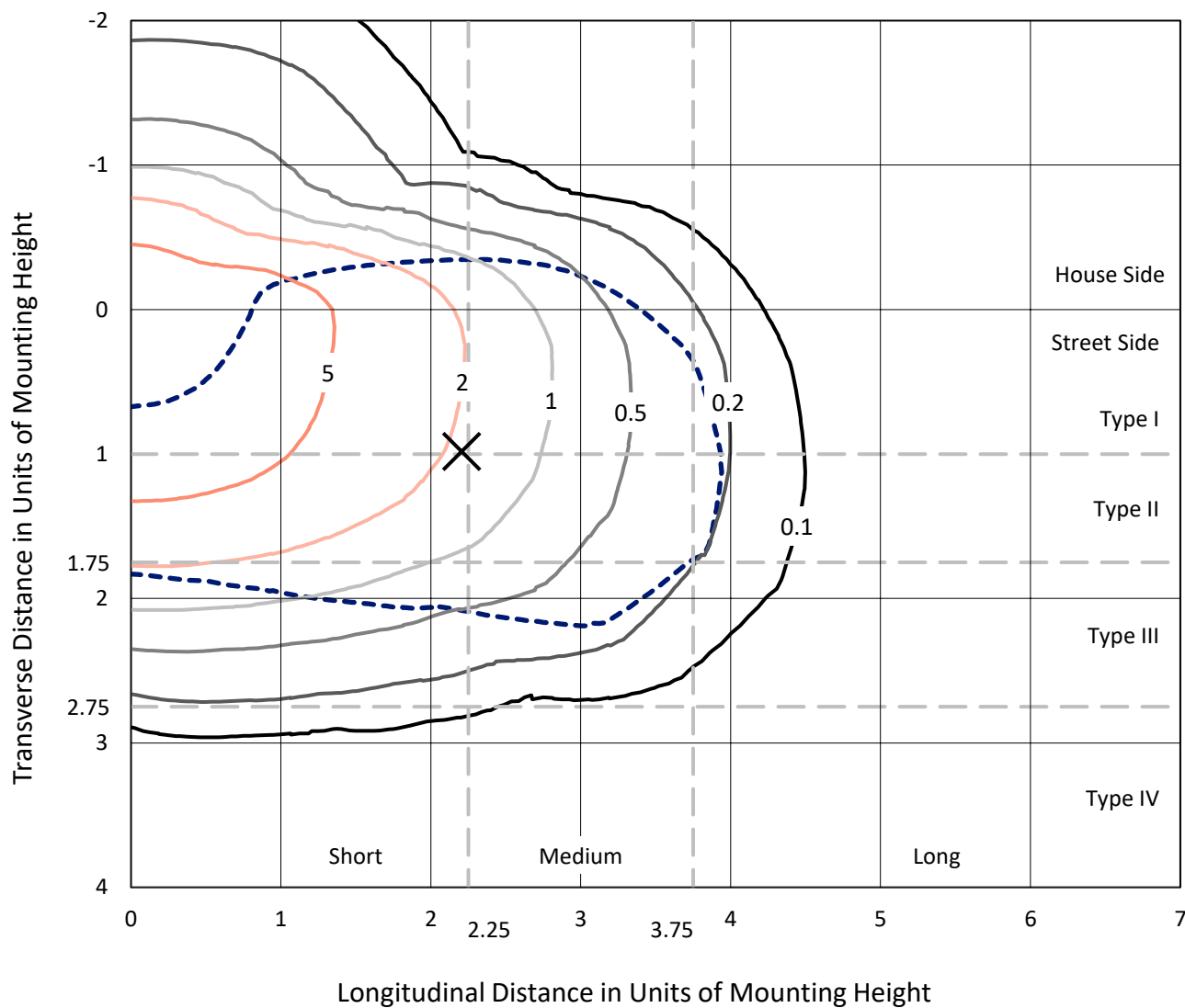
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

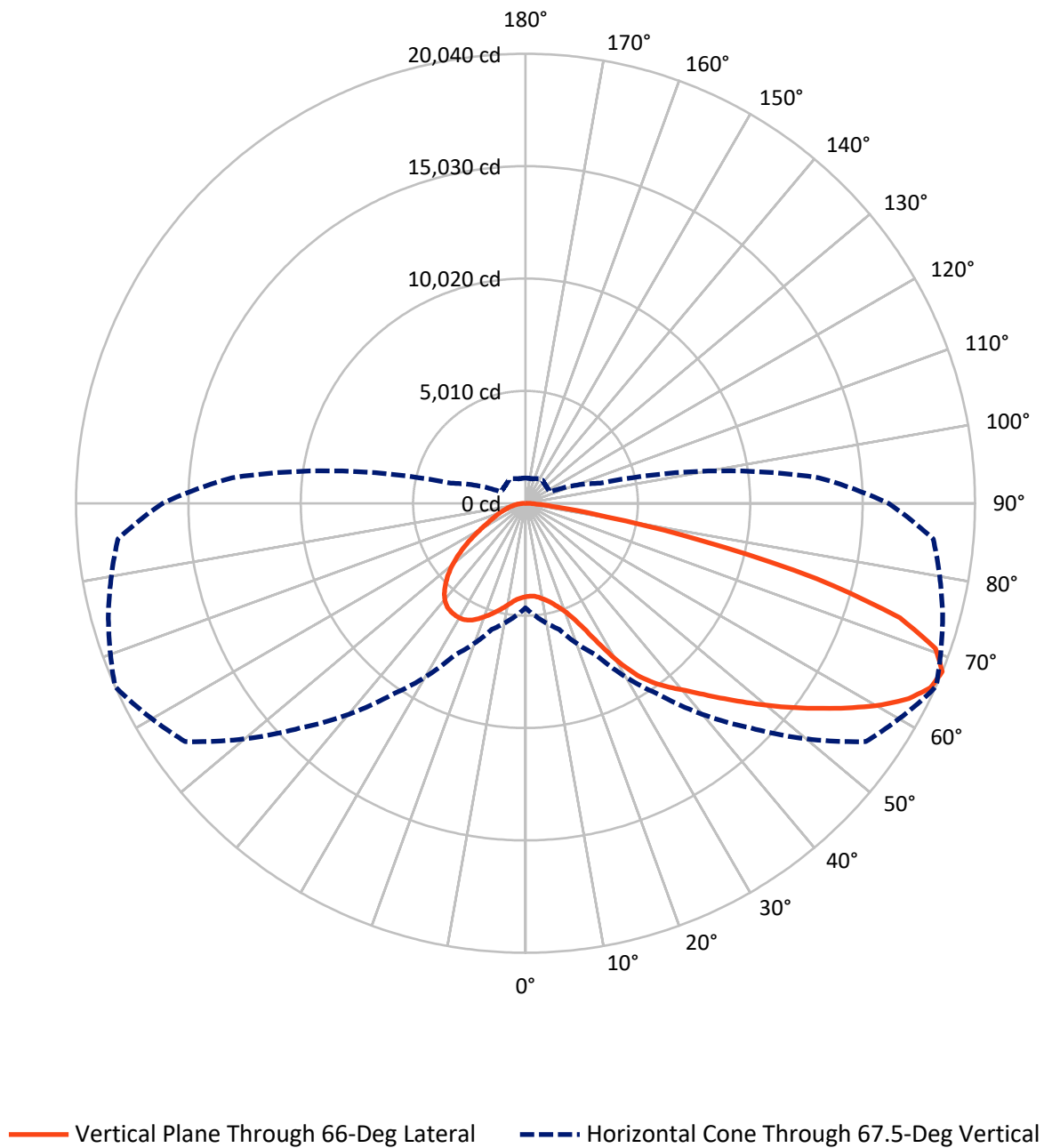


Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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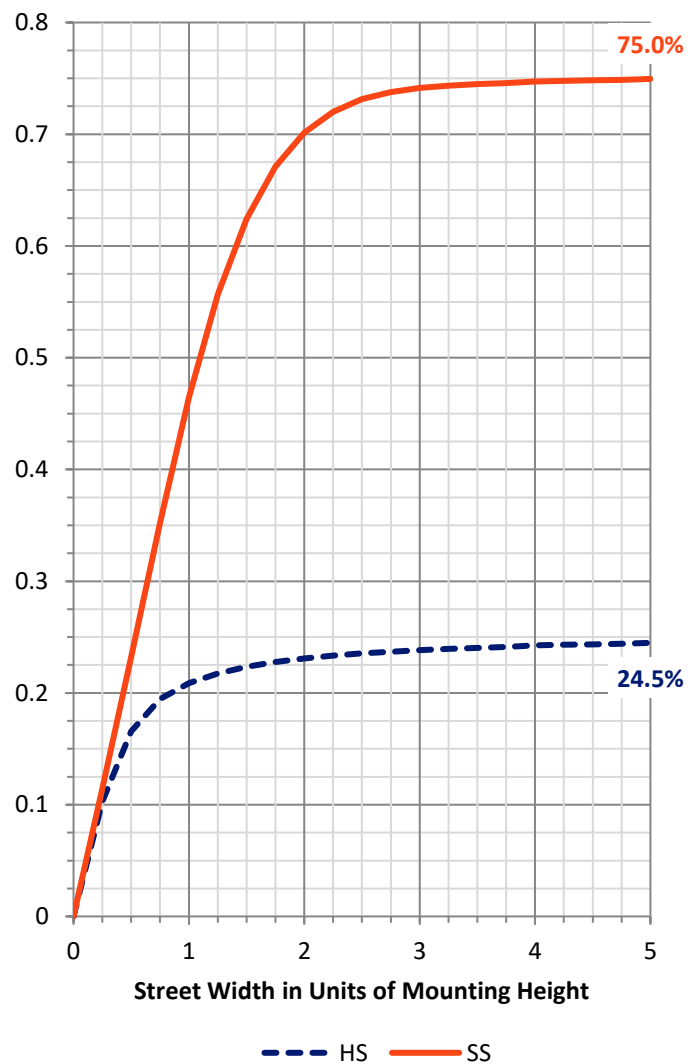
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9334.7	0.0	9334.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	28207.3	0.0	28207.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	37542.0	0.0	37542.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.8	1.1
10°-20°	1363.9	3.6
20°-30°	2628.9	7.0
30°-40°	4609.5	12.3
40°-50°	6852.8	18.3
50°-60°	8686.6	23.1
60°-70°	8499.6	22.6
70°-80°	4054.4	10.8
80°-90°	433.3	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°	37542.0	100.0
0°-180°	37542.0	100.0

Coefficient of Utilization



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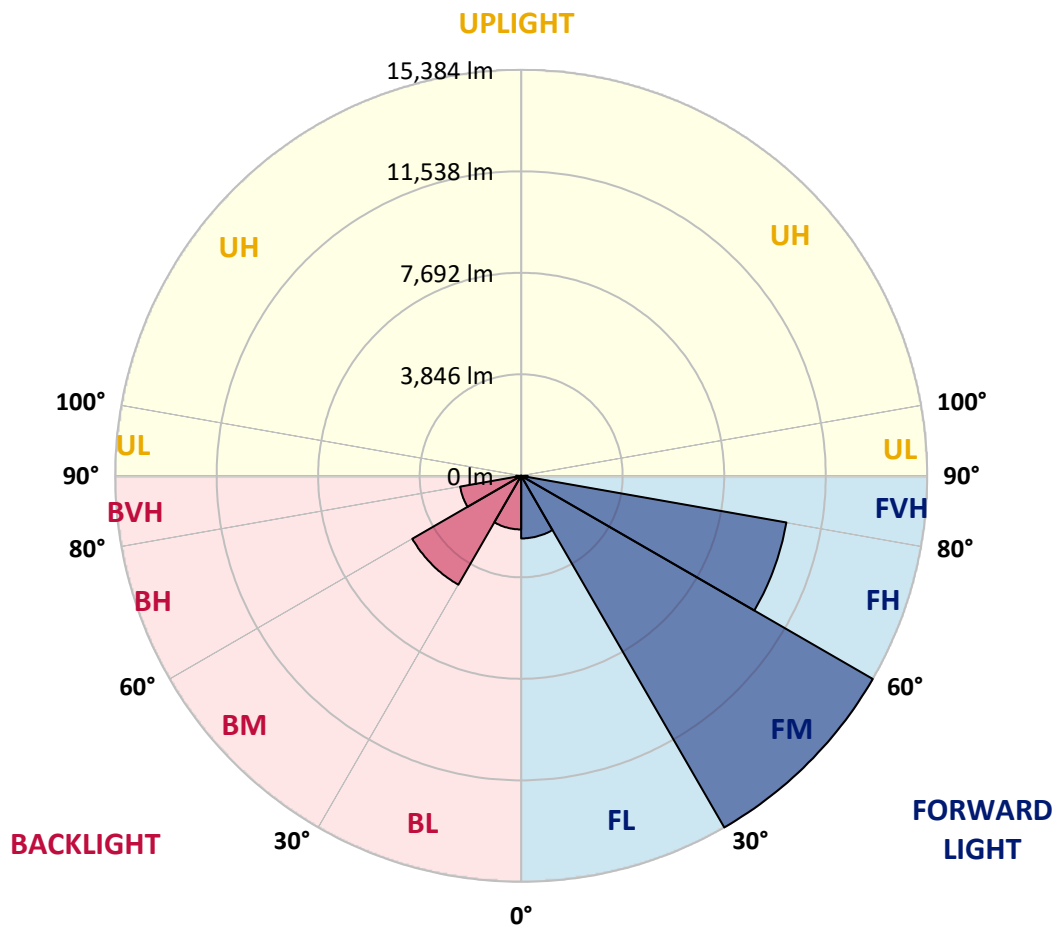
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2372.3	6.3			
FM	(30°-60°)	15384.4	41.0			
FH	(60°-80°)	10204.9	27.2			G4/12000
FVH	(80°-90°)	245.7	0.7			G3/500
BL	(0°-30°)	2033.4	5.4	B3/2500		
BM	(30°-60°)	4764.5	12.7	B3/5000		
BH	(60°-80°)	2349.1	6.3	B3/2500		G3/2500
BVH	(80°-90°)	187.6	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°	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9
2.5°	4120.5	4144.2	4138.3	4128.4	4126.4	4130.4	4136.3	4142.2	4140.2	4150.1	4165.9
5°	4108.7	4132.3	4130.4	4130.4	4138.3	4154.0	4163.9	4173.8	4163.9	4175.7	4197.4
7.5°	4116.6	4134.3	4142.2	4150.1	4169.8	4199.4	4223.1	4244.8	4232.9	4246.7	4274.4
10°	4217.2	4231.0	4238.9	4238.9	4252.7	4286.2	4309.9	4349.3	4339.5	4361.2	4396.7
12.5°	4400.6	4414.4	4414.4	4406.5	4416.4	4438.1	4446.0	4489.4	4471.6	4507.1	4542.6
15°	4625.5	4653.1	4631.4	4617.6	4621.5	4643.2	4641.2	4674.8	4657.0	4686.6	4718.2
17.5°	4874.0	4909.5	4874.0	4872.0	4864.1	4887.8	4889.8	4919.4	4887.8	4909.5	4931.2
20°	5167.9	5217.2	5187.6	5197.5	5179.7	5189.6	5199.5	5242.9	5193.5	5209.3	5203.4
22.5°	5582.1	5641.3	5609.7	5647.2	5635.4	5627.5	5625.5	5702.4	5625.5	5631.4	5574.2
25°	6185.7	6256.7	6201.5	6252.8	6252.8	6278.4	6308.0	6406.6	6278.4	6240.9	6093.0
27.5°	7077.3	7148.3	7039.8	7071.3	7061.5	7124.6	7093.0	7337.6	7199.5	7138.4	6840.6
30°	8150.3	8276.5	8071.4	8063.5	8053.6	8154.2	8199.6	8361.3	8221.3	8160.1	7801.2
32.5°	9310.1	9442.3	9197.7	9126.7	9089.2	9150.3	9112.9	9243.0	9146.4	9051.7	8607.9
35°	10537.0	10667.2	10434.4	10296.3	10146.4	10018.2	9884.1	9917.6	9826.9	9682.9	9223.3
37.5°	11696.8	11935.5	11688.9	11541.0	11264.8	11014.3	10639.6	10483.7	10398.9	10266.8	9803.2
40°	12878.3	13014.4	12827.0	12700.8	12401.0	12008.5	11408.8	11079.4	10965.0	10836.8	10444.3
42.5°	13748.2	13878.4	13777.8	13691.0	13456.3	13000.6	12225.4	11813.2	11647.5	11503.5	11170.2
45°	14438.5	14535.2	14472.1	14503.6	14403.0	13961.2	13071.6	12600.2	12428.6	12253.0	11990.7
47.5°	14716.7	14819.2	14919.8	15107.2	15278.8	14953.4	13980.9	13452.3	13270.8	13091.3	12833.0
50°	14685.1	14789.7	15081.6	15480.0	16012.6	15904.1	14939.6	14359.6	14192.0	13986.9	13748.2
52.5°	14432.6	14551.0	14925.8	15588.5	16436.7	16616.2	15915.9	15296.6	15138.8	14894.2	14655.5
55°	13769.9	13840.9	14403.0	15341.9	16537.3	17113.2	16872.6	16294.7	16136.9	15795.6	15535.2
57.5°	12541.0	12643.6	13462.2	14677.2	16284.8	17450.5	17712.9	17344.0	17192.1	16701.0	16428.8
60°	10937.4	11101.1	12038.0	13560.8	15641.8	17448.6	18476.2	18375.6	18249.4	17592.5	17308.5
62.5°	9122.7	9312.1	10213.5	11982.8	14517.4	16953.5	18953.6	19239.6	19174.5	18415.1	18052.1
65°	7006.2	7136.4	8033.9	9941.3	12767.9	15890.3	19008.8	19829.3	19841.2	19040.3	18440.7
67.5°	4664.9	5039.7	5818.8	7459.9	10424.6	14152.5	18523.6	19926.0	20040.4	19255.3	18245.4
70°	2276.2	2769.4	3532.7	4848.4	7459.9	11487.7	17255.2	19133.0	19387.5	18628.1	17081.7
72.5°	944.8	1104.6	1520.8	2392.6	4282.3	7751.8	14706.8	16983.0	17454.5	16505.7	14361.6
75°	637.1	690.4	869.9	1226.9	1950.8	3822.7	10606.0	12663.3	13422.7	12466.1	10189.8
77.5°	491.1	524.7	633.2	858.0	1159.8	1445.8	5676.8	7631.5	8024.0	7428.4	5302.0
80°	386.6	412.2	473.4	625.3	822.5	773.2	1935.0	3457.8	3684.6	3090.9	1704.2
82.5°	335.3	345.2	339.3	424.1	546.4	451.7	635.1	1276.2	1408.4	1021.7	556.2
85°	242.6	270.2	282.1	262.3	290.0	228.8	260.4	451.7	497.1	443.8	313.6
87.5°	98.6	146.0	179.5	169.6	106.5	65.1	80.9	132.2	151.9	165.7	102.6
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°	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9	4163.9
2.5°	4167.8	4181.7	4191.5	4203.4	4211.2	4223.1	4246.7	4260.6	4262.5	4272.4	4270.4
5°	4205.3	4225.1	4246.7	4278.3	4313.8	4343.4	4388.8	4420.3	4432.2	4442.0	4440.1
7.5°	4286.2	4313.8	4353.3	4408.5	4459.8	4499.2	4554.5	4591.9	4629.4	4643.2	4645.2
10°	4406.5	4446.0	4503.2	4578.1	4633.4	4684.6	4741.8	4773.4	4810.9	4826.7	4834.5
12.5°	4556.4	4597.8	4672.8	4777.3	4828.6	4864.1	4883.9	4876.0	4883.9	4897.7	4901.6
15°	4728.0	4773.4	4858.2	4970.6	5006.2	4974.6	4931.2	4891.7	4885.8	4889.8	4903.6
17.5°	4931.2	4964.7	5063.4	5158.0	5132.4	5002.2	4907.5	4844.4	4812.8	4803.0	4816.8
20°	5215.2	5215.2	5296.1	5355.3	5183.7	4962.8	4814.8	4712.3	4647.2	4619.5	4613.6
22.5°	5560.4	5528.9	5580.1	5538.7	5173.8	4852.3	4647.2	4469.6	4371.0	4331.6	4325.6
25°	5998.3	5960.8	5947.0	5690.6	5102.8	4676.7	4343.4	4128.4	4041.6	4019.9	4023.9
27.5°	6659.1	6564.4	6384.9	5773.4	4972.6	4400.6	3988.4	3789.1	3739.8	3741.8	3747.7
30°	7538.8	7349.5	6909.6	5787.3	4759.6	4010.1	3625.4	3483.4	3459.7	3469.6	3503.1
32.5°	8353.5	8174.0	7446.1	5724.1	4432.2	3627.4	3300.0	3205.3	3169.8	3181.6	3197.4
35°	8992.5	8943.2	7943.2	5635.4	4029.8	3268.4	3008.0	2927.2	2858.1	2842.3	2854.2
37.5°	9596.1	9576.4	8316.0	5511.1	3631.3	3013.9	2773.3	2666.8	2566.2	2511.0	2512.9
40°	10258.9	10239.1	8560.6	5319.8	3278.3	2793.0	2562.3	2422.2	2297.9	2197.3	2207.2
42.5°	11004.5	10888.1	8676.9	5045.6	2978.4	2605.6	2390.6	2201.3	2037.6	1944.9	1950.8
45°	11819.1	11556.8	8675.0	4696.5	2726.0	2434.0	2207.2	1938.9	1787.1	1700.3	1696.3
47.5°	12683.0	12195.8	8568.5	4309.9	2481.4	2244.7	1923.2	1718.0	1617.4	1564.2	1552.3
50°	13574.6	12793.5	8387.0	3866.1	2230.9	2029.7	1745.6	1605.6	1528.7	1479.4	1461.6
52.5°	14412.9	13335.9	8168.0	3363.1	1976.4	1820.6	1666.7	1558.3	1477.4	1422.2	1398.5
55°	15192.0	13803.4	7858.4	2848.3	1769.3	1680.6	1629.3	1538.5	1445.8	1380.7	1355.1
57.5°	15884.4	14107.2	7323.8	2365.0	1621.4	1583.9	1589.8	1505.0	1398.5	1343.3	1307.8
60°	16460.3	14330.1	6532.9	1917.2	1501.1	1489.2	1528.7	1441.9	1317.6	1254.5	1226.9
62.5°	16805.5	14326.1	5562.4	1570.1	1398.5	1402.4	1447.8	1363.0	1236.7	1177.6	1159.8
65°	16775.9	13975.0	4497.3	1343.3	1299.9	1303.8	1363.0	1276.2	1169.7	1134.2	1132.2
67.5°	16182.2	13119.0	3449.9	1195.3	1191.4	1209.1	1278.2	1217.0	1128.3	1124.3	1130.2
70°	14574.7	11341.8	2485.3	1077.0	1078.9	1104.6	1195.3	1179.5	1106.6	1114.5	1112.5
72.5°	11686.9	8647.3	1668.7	952.7	954.7	996.1	1116.4	1150.0	1084.9	1189.4	1205.2
75°	7783.4	5392.8	1073.0	820.6	822.5	875.8	1047.4	1092.8	1025.7	1185.5	1195.3
77.5°	3739.8	2424.2	777.2	690.4	690.4	739.7	905.4	978.3	873.8	921.1	844.2
80°	1292.0	911.3	611.5	556.2	544.4	577.9	763.3	848.2	753.5	694.3	650.9
82.5°	508.9	473.4	491.1	432.0	392.5	414.2	593.7	700.2	554.3	501.0	499.0
85°	291.9	307.7	347.2	286.0	226.8	254.4	435.9	503.0	418.2	368.9	376.7
87.5°	78.9	108.5	159.8	147.9	102.6	108.5	207.1	278.1	240.6	185.4	191.3
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)