

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: P942965

Luminaire Tested: **GALN-SB7B-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
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-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32779 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - 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



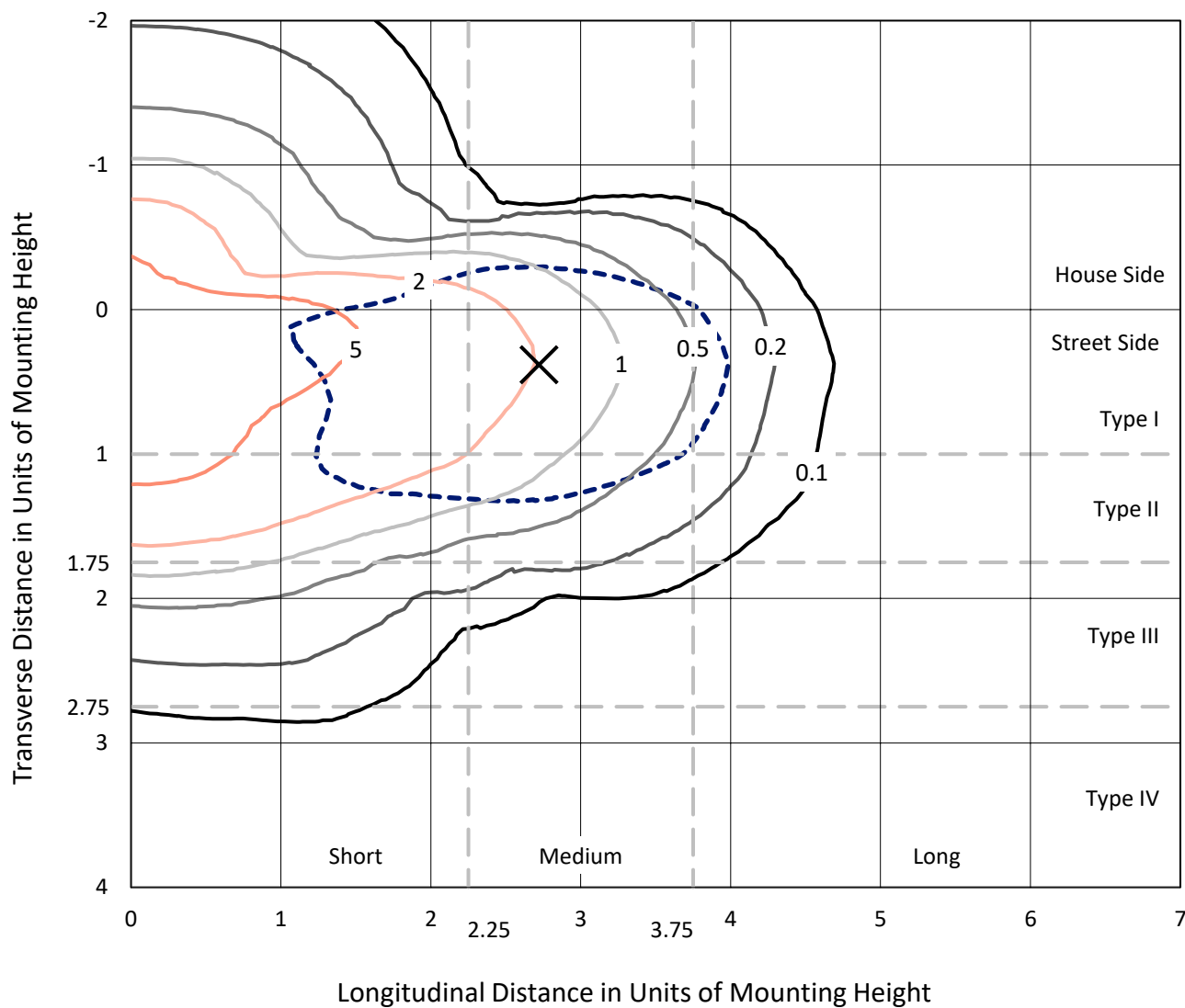
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Iso-Footcandle Lines of Horizontal Illumination

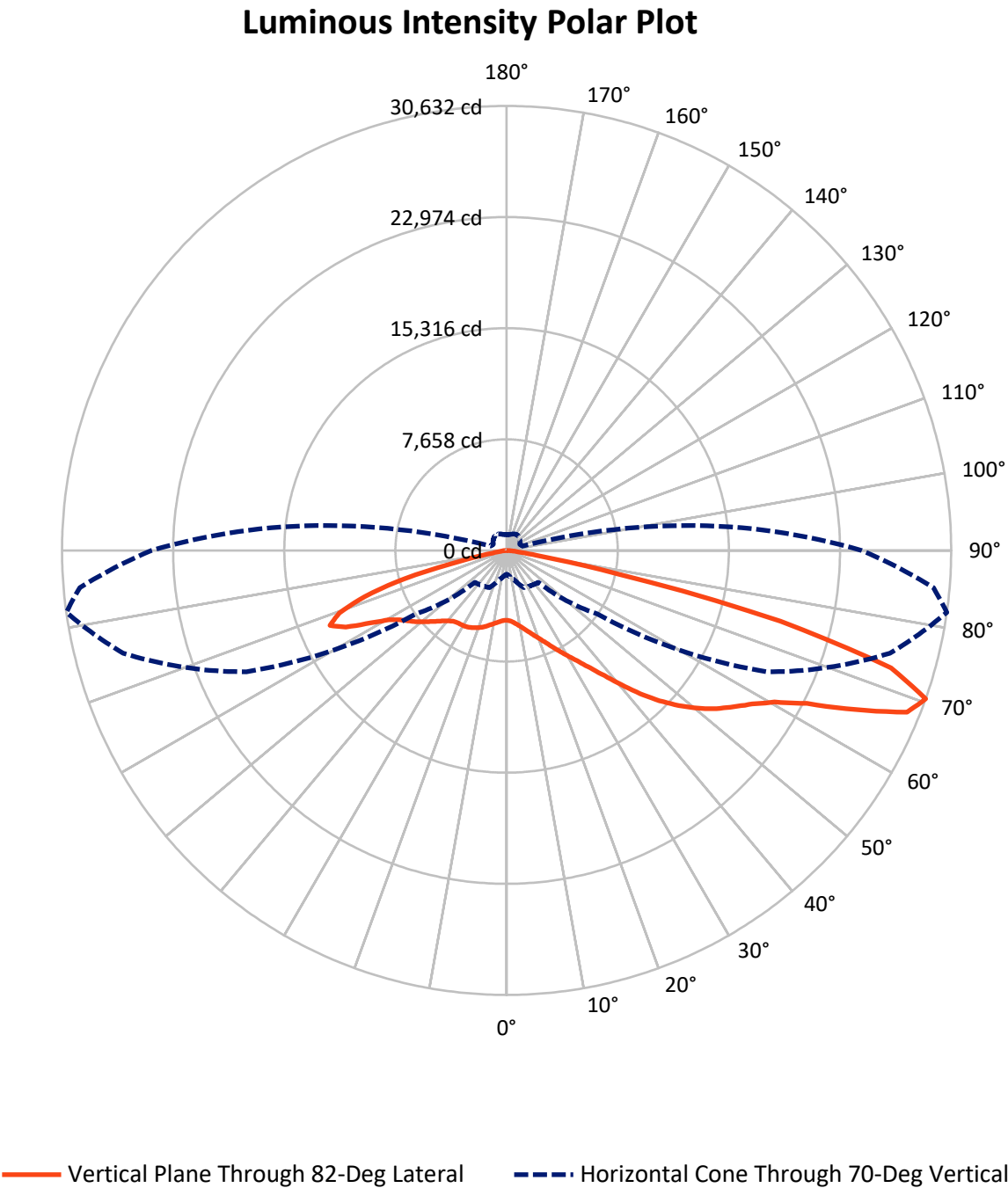
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
Type II - Medium - N/A

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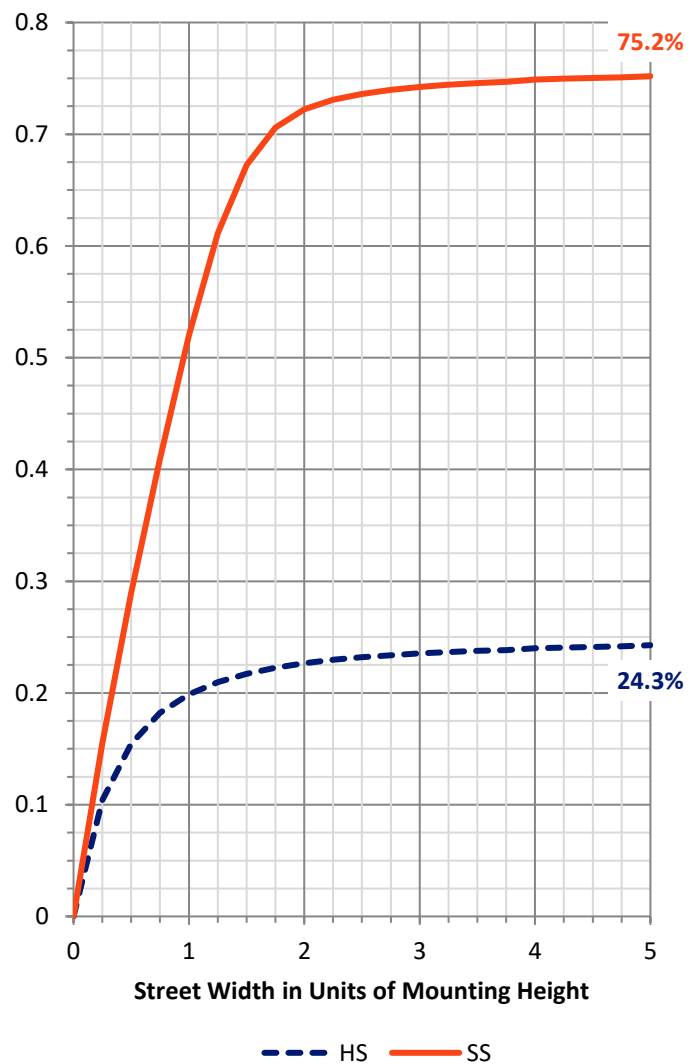
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8080.8	0.0	8080.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	24698.2	0.0	24698.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	32779.0	0.0	32779.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.8	1.4
10°-20°	1303.7	4.0
20°-30°	2180.9	6.7
30°-40°	3407.1	10.4
40°-50°	5426.2	16.6
50°-60°	7551.3	23.0
60°-70°	7899.0	24.1
70°-80°	4128.4	12.6
80°-90°	428.7	1.3
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°	32779.0	100.0
0°-180°	32779.0	100.0

Coefficient of Utilization



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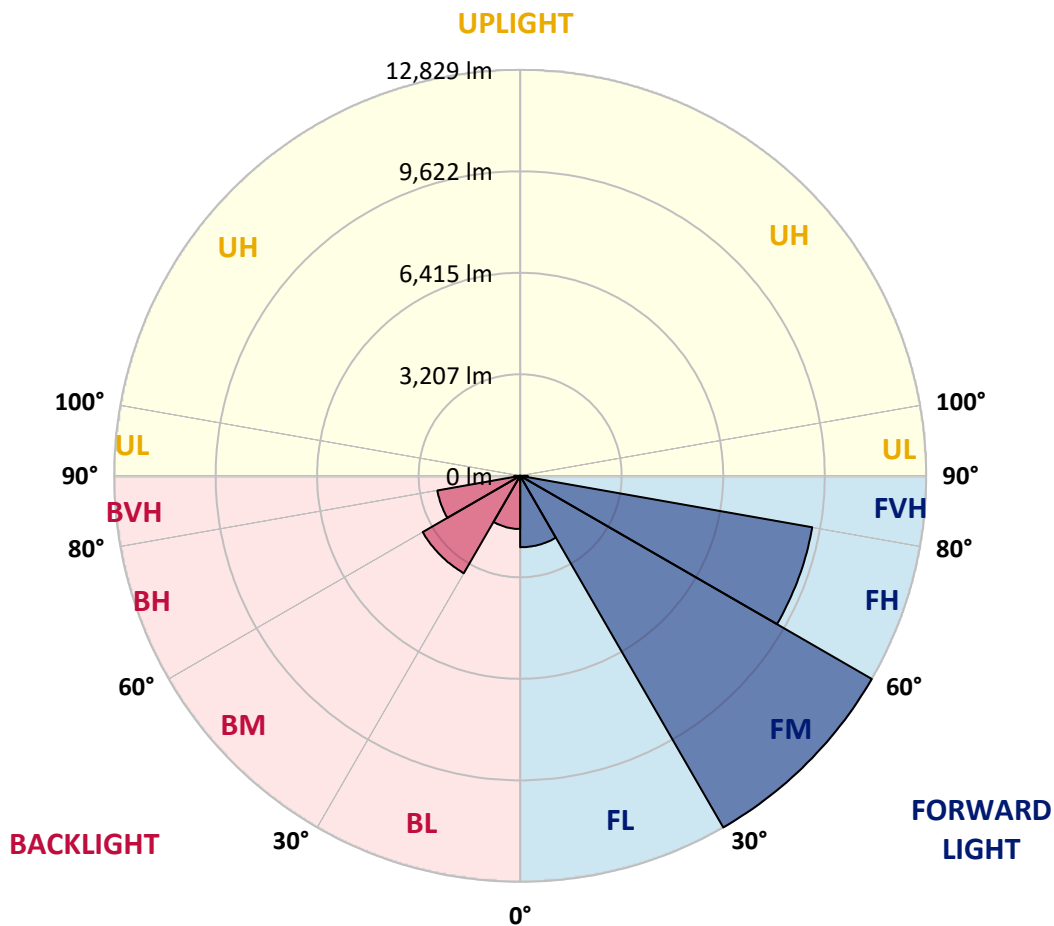
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2257.2	6.9			
FM	(30°-60°)	12829.4	39.1			
FH	(60°-80°)	9371.6	28.6			G4/12000
FVH	(80°-90°)	240.0	0.7			G3/500
BL	(0°-30°)	1681.1	5.1	B3/2500		
BM	(30°-60°)	3555.2	10.8	B3/5000		
BH	(60°-80°)	2655.8	8.1	B4/5000		G4/5000
BVH	(80°-90°)	188.7	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	4805.8	4805.8	4805.8	4805.8	4805.8	4805.8	4805.8	4805.8	4805.8	4805.8	4805.8
2.5°	4920.6	4948.4	4939.7	4931.0	4931.0	4918.9	4917.1	4899.7	4885.8	4863.2	4858.0
5°	4983.2	5012.8	5009.3	5016.3	5038.9	5044.1	5049.3	5038.9	5011.1	4983.2	4971.0
7.5°	4927.6	4960.6	4971.0	5012.8	5082.4	5145.0	5191.9	5211.1	5185.0	5145.0	5125.9
10°	4739.7	4776.2	4812.8	4911.9	5035.4	5183.2	5308.5	5383.3	5378.1	5339.8	5306.7
12.5°	4358.8	4397.1	4475.3	4668.4	4894.5	5155.4	5388.5	5545.0	5599.0	5571.1	5513.7
15°	4054.4	4087.5	4146.6	4344.9	4638.8	5035.4	5418.1	5722.4	5859.9	5844.2	5774.6
17.5°	4045.7	4059.6	4096.2	4190.1	4416.2	4847.6	5386.8	5896.4	6159.0	6157.3	6070.3
20°	4198.8	4204.0	4224.9	4244.0	4372.7	4704.9	5306.7	6040.7	6494.7	6494.7	6400.8
22.5°	4411.0	4407.5	4428.4	4411.0	4473.6	4692.8	5256.3	6167.7	6868.7	6896.5	6778.2
25°	4729.3	4711.9	4706.7	4666.7	4678.8	4805.8	5312.0	6312.1	7312.2	7369.6	7221.8
27.5°	5153.7	5125.9	5106.7	5014.5	4983.2	5038.9	5482.4	6486.0	7806.2	7905.3	7717.5
30°	5706.8	5656.4	5628.5	5468.5	5355.4	5364.1	5739.8	6717.4	8322.8	8482.8	8244.5
32.5°	6461.7	6383.4	6308.6	6046.0	5839.0	5771.1	6072.1	7037.4	8882.8	9138.5	8832.4
35°	7307.0	7244.4	7164.4	6759.1	6440.8	6284.3	6520.8	7484.4	9538.6	9943.8	9545.5
37.5°	8121.0	8067.1	8105.3	7559.2	7148.7	6920.9	7108.7	8084.5	10347.4	10945.7	10439.6
40°	8962.8	8921.1	8926.3	8404.5	7926.2	7670.5	7821.8	8837.6	11274.4	12137.2	11514.5
42.5°	9877.7	9846.4	9742.1	9279.4	8741.9	8503.7	8642.8	9707.3	12269.3	13493.8	12693.7
45°	10902.2	10883.1	10785.7	10255.2	9639.5	9371.6	9559.4	10667.4	13269.5	14770.5	13878.2
47.5°	11787.5	11803.2	11791.0	11344.0	10705.7	10312.6	10537.0	11669.3	14200.0	15970.7	15014.0
50°	12213.7	12295.4	12415.4	12276.3	11879.7	11479.7	11523.2	12636.3	15087.1	17096.0	16102.9
52.5°	11991.0	12145.8	12472.8	12695.5	12848.5	12765.1	12648.5	13596.5	15922.0	18111.8	17132.6
55°	11161.4	11378.8	11921.5	12458.9	13239.9	13846.9	14000.0	14660.9	16736.0	19005.8	18106.6
57.5°	9649.9	10003.0	10490.0	11577.1	12892.0	14370.5	15575.8	16137.6	17598.7	19960.7	19125.8
60°	7058.3	7531.4	8136.7	9754.2	11674.5	14090.4	16916.9	18405.8	18824.9	21197.4	20453.0
62.5°	4517.1	4809.3	5365.9	6889.5	9096.8	12655.5	17327.4	21240.9	20903.5	23225.5	22442.8
65°	3092.6	3280.4	3790.0	4645.8	5880.7	9420.3	16228.1	23366.4	24204.7	26439.8	25844.9
67.5°	2247.2	2389.9	2824.7	3574.4	3831.8	5574.6	12592.9	23269.0	27413.8	29751.5	28826.2
70°	1638.5	1739.3	2104.6	2824.7	2948.2	3101.3	7628.8	19779.8	27344.2	30631.6	29523.6
72.5°	1214.1	1283.6	1528.9	2191.6	2386.4	2094.2	3776.1	14375.7	23496.8	27706.0	26817.2
75°	878.4	930.5	1111.4	1676.7	1909.8	1595.0	1883.7	8401.0	16389.9	19489.4	19645.9
77.5°	671.4	711.4	829.7	1228.0	1528.9	1196.7	1168.8	3864.8	7771.4	7809.7	8248.0
80°	539.2	565.3	629.6	864.5	1172.3	895.8	761.8	1560.2	2456.0	2078.5	2181.1
82.5°	396.6	440.1	532.2	607.0	838.4	617.5	464.4	787.9	934.0	803.6	810.5
85°	226.1	255.7	321.8	434.8	535.7	377.4	266.1	349.6	434.8	356.6	318.3
87.5°	80.0	104.4	113.1	170.5	233.1	156.5	102.6	100.9	142.6	106.1	88.7
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°	4805.8	4805.8	4805.8	4805.8	4805.8	4805.8	4805.8	4805.8	4805.8	4805.8	4805.8
2.5°	4840.6	4831.9	4797.1	4750.2	4701.5	4654.5	4638.8	4605.8	4583.2	4571.0	4584.9
5°	4938.0	4910.2	4828.4	4724.1	4614.5	4496.2	4412.7	4336.2	4280.5	4228.3	4249.2
7.5°	5077.1	5028.4	4887.6	4704.9	4510.1	4313.6	4167.5	4056.2	3981.4	3932.7	3943.1
10°	5238.9	5164.1	4948.4	4675.4	4374.5	4092.7	3920.5	3824.8	3777.9	3751.8	3758.7
12.5°	5425.0	5318.9	5011.1	4607.5	4167.5	3845.7	3727.4	3699.6	3701.3	3703.1	3706.5
15°	5654.6	5506.8	5061.5	4459.7	3897.9	3656.1	3635.2	3680.5	3727.4	3750.0	3748.3
17.5°	5913.8	5705.1	5070.2	4216.2	3633.5	3534.3	3600.4	3697.8	3769.2	3800.5	3807.4
20°	6192.1	5906.8	5007.6	3871.8	3416.1	3435.2	3553.5	3678.7	3757.0	3797.0	3807.4
22.5°	6510.4	6122.5	4858.0	3510.0	3238.7	3327.4	3466.5	3588.3	3670.0	3710.0	3720.5
25°	6873.9	6364.3	4623.2	3205.6	3085.6	3205.6	3344.8	3445.6	3511.7	3548.3	3558.7
27.5°	7277.4	6616.5	4310.1	2963.8	2951.7	3080.4	3195.2	3273.4	3308.2	3336.1	3346.5
30°	7682.7	6846.1	3930.9	2781.2	2835.1	2956.9	3038.6	3073.4	3083.9	3089.1	3101.3
32.5°	8121.0	7044.3	3532.6	2629.9	2723.8	2836.9	2885.6	2901.2	2852.5	2819.5	2829.9
35°	8651.5	7256.5	3143.0	2509.9	2614.2	2711.6	2727.3	2713.4	2656.0	2588.1	2591.6
37.5°	9307.2	7520.9	2831.7	2424.6	2511.6	2576.0	2556.8	2553.4	2558.6	2478.6	2483.8
40°	10110.8	7865.3	2603.8	2358.6	2428.1	2442.0	2388.1	2417.7	2443.8	2322.0	2325.5
42.5°	11003.1	8281.0	2459.4	2313.3	2358.6	2325.5	2242.0	2275.1	2271.6	2111.6	2109.8
45°	11912.8	8733.3	2409.0	2280.3	2294.2	2228.1	2135.9	2144.6	2071.6	1927.2	1932.4
47.5°	12817.2	9218.5	2440.3	2252.5	2214.2	2139.4	2068.1	2029.8	1922.0	1814.1	1814.1
50°	13704.3	9728.2	2555.1	2196.8	2104.6	2061.1	2008.9	1941.1	1826.3	1734.1	1727.2
52.5°	14527.0	10241.3	2683.8	2104.6	1967.2	1993.3	1960.2	1882.0	1768.9	1675.0	1676.7
55°	15306.2	10754.4	2734.3	1977.6	1838.5	1934.2	1915.0	1770.7	1635.0	1558.5	1551.5
57.5°	16155.0	11371.8	2678.6	1815.9	1734.1	1866.3	1793.3	1633.2	1555.0	1497.6	1492.4
60°	17330.8	12340.7	2558.6	1615.9	1635.0	1765.4	1640.2	1574.1	1488.9	1424.5	1421.0
62.5°	19284.1	14147.8	2365.5	1417.6	1518.4	1615.9	1567.2	1501.1	1414.1	1351.5	1351.5
65°	22171.4	16659.5	2002.0	1262.8	1388.0	1469.7	1488.9	1422.8	1332.3	1266.2	1269.7
67.5°	24606.5	18235.3	1515.0	1134.1	1254.1	1351.5	1405.4	1341.0	1245.4	1181.0	1182.8
70°	24472.6	17090.8	1156.7	1007.1	1135.8	1234.9	1304.5	1254.1	1151.4	1090.6	1095.8
72.5°	21736.6	14297.4	935.8	878.4	1015.8	1113.2	1196.7	1158.4	1054.0	994.9	994.9
75°	15968.9	10149.1	747.9	747.9	866.2	986.2	1078.4	1054.0	958.4	916.6	904.5
77.5°	6731.3	4257.9	586.2	620.9	720.1	847.1	961.9	970.6	887.1	939.2	852.3
80°	1789.8	1174.1	447.0	488.8	565.3	699.2	836.6	833.1	742.7	694.0	645.3
82.5°	681.8	462.7	318.3	344.4	408.7	535.7	662.7	683.6	593.1	513.1	513.1
85°	262.6	198.3	196.5	207.0	238.3	354.8	500.9	518.3	447.0	379.2	391.4
87.5°	67.8	59.1	73.1	69.6	109.6	189.6	287.0	297.4	273.1	158.3	226.1
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)