

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: P941775

Luminaire Tested: **GALN-SB5C-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941775
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-SB5C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30965 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 249.5
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

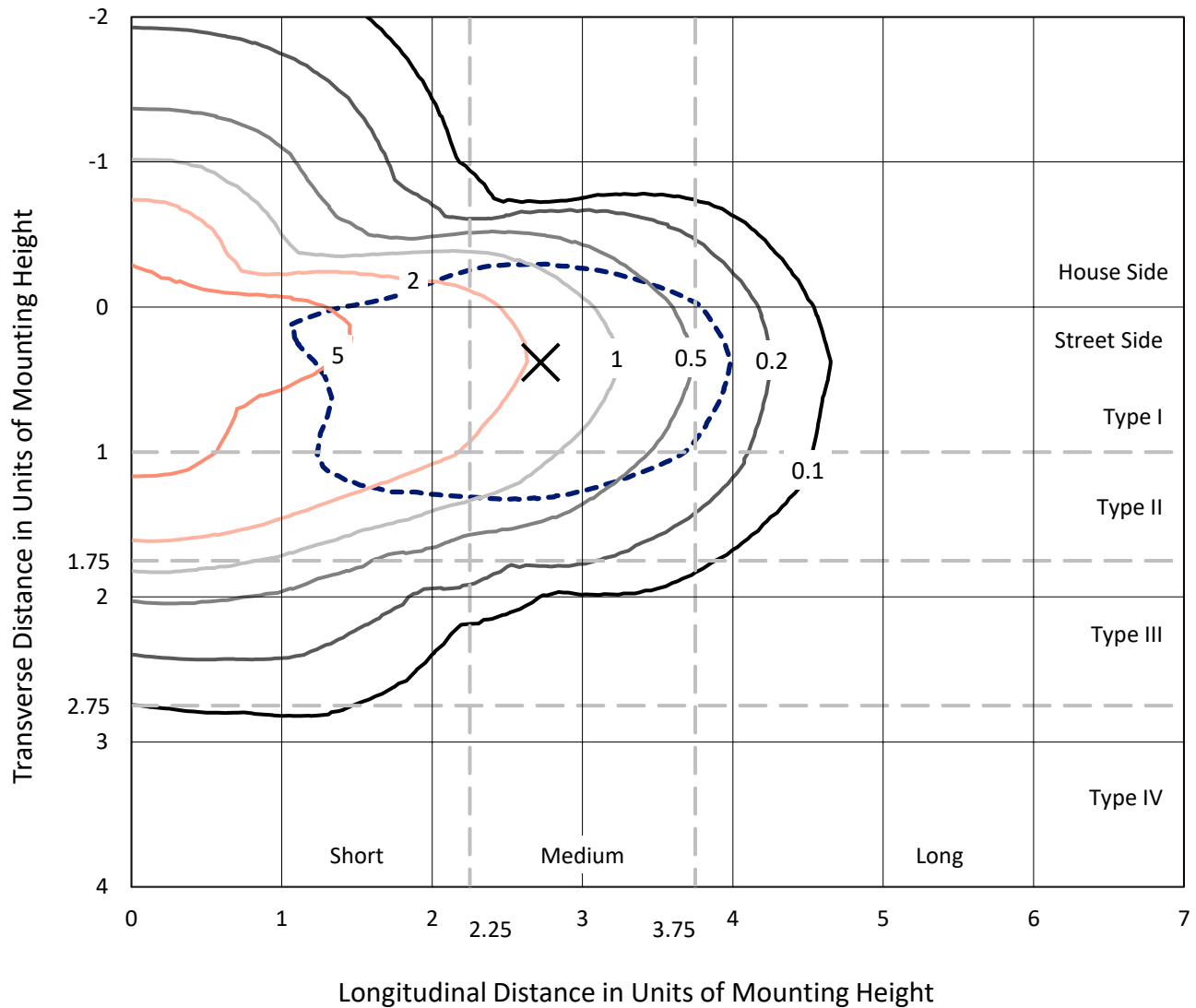


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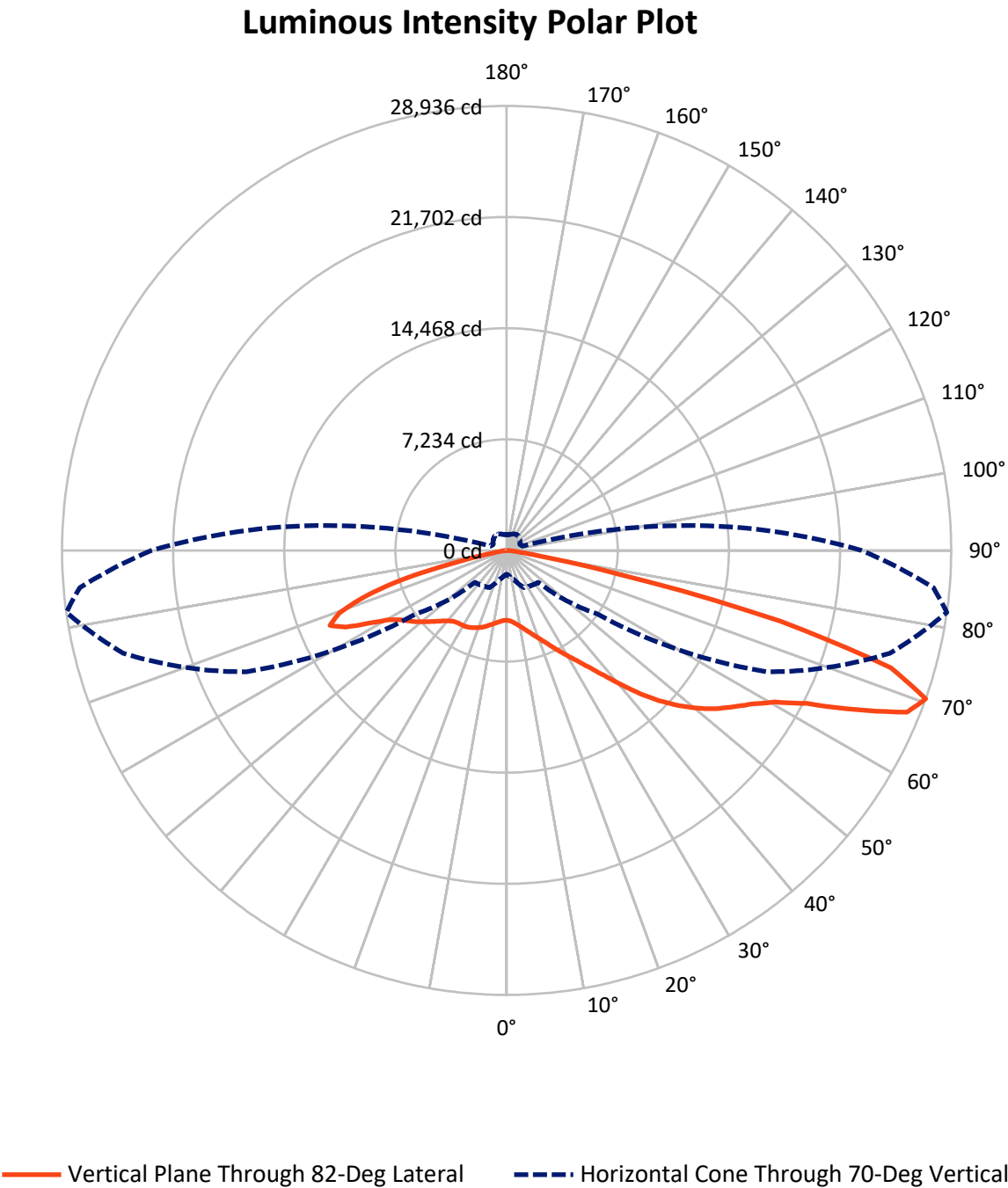
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



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

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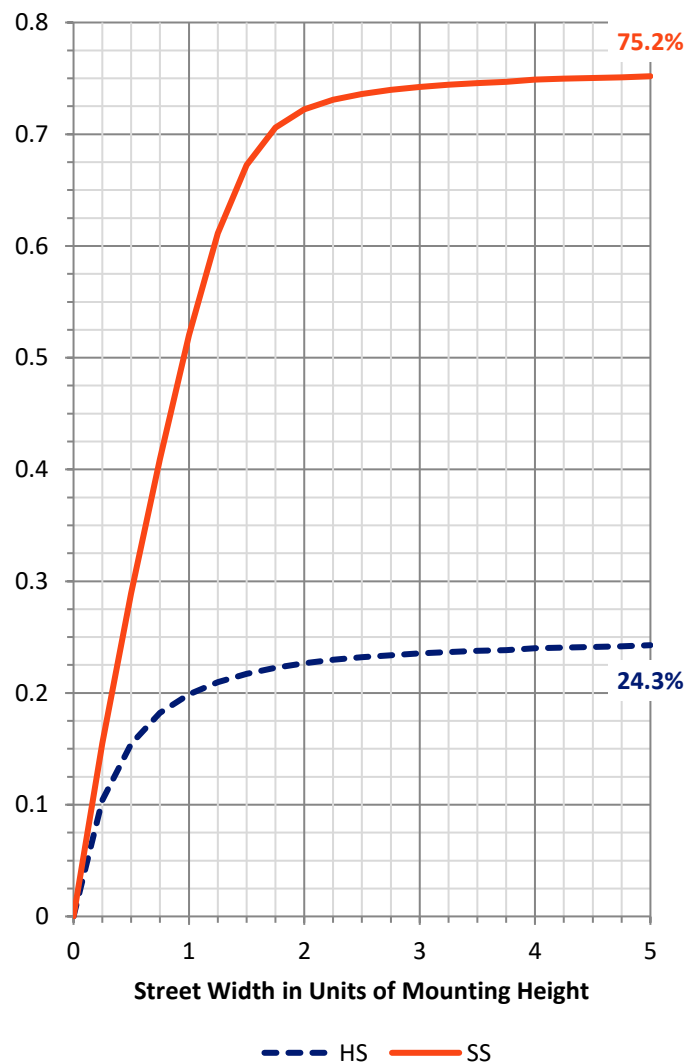
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7633.6	0.0	7633.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	23331.4	0.0	23331.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	30965.0	0.0	30965.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.6	1.4
10°-20°	1231.5	4.0
20°-30°	2060.2	6.7
30°-40°	3218.6	10.4
40°-50°	5125.9	16.6
50°-60°	7133.4	23.0
60°-70°	7461.8	24.1
70°-80°	3900.0	12.6
80°-90°	405.0	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°	30965.0	100.0
0°-180°	30965.0	100.0

Coefficient of Utilization



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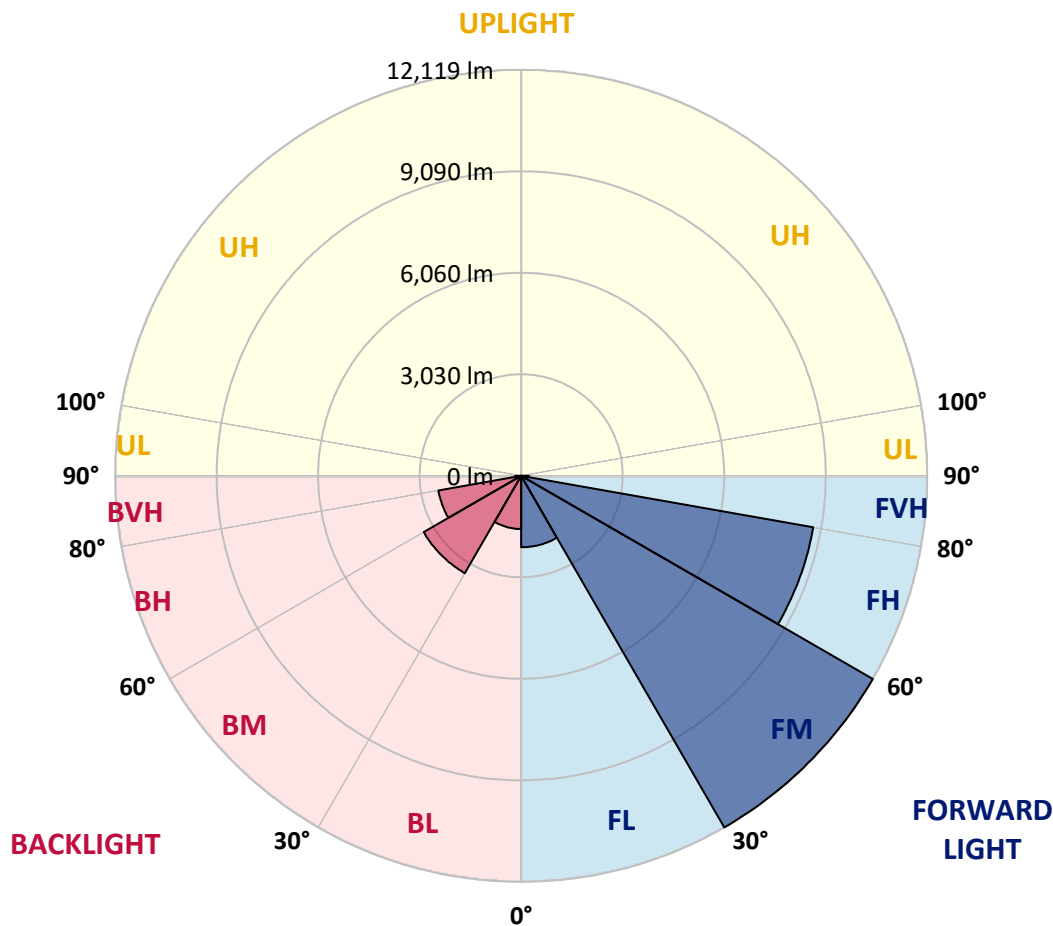
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2132.3	6.9			
FM	(30°-60°)	12119.4	39.1			
FH	(60°-80°)	8853.0	28.6			G4/12000
FVH	(80°-90°)	226.7	0.7			G3/500
BL	(0°-30°)	1588.1	5.1	B3/2500		
BM	(30°-60°)	3358.5	10.8	B3/5000		
BH	(60°-80°)	2508.8	8.1	B4/5000		G4/5000
BVH	(80°-90°)	178.3	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°	4539.9	4539.9	4539.9	4539.9	4539.9	4539.9	4539.9	4539.9	4539.9	4539.9	4539.9
2.5°	4648.3	4674.6	4666.4	4658.2	4658.2	4646.7	4645.0	4628.6	4615.4	4594.1	4589.1
5°	4707.5	4735.4	4732.1	4738.7	4760.0	4765.0	4769.9	4760.0	4733.7	4707.5	4695.9
7.5°	4654.9	4686.1	4695.9	4735.4	4801.1	4860.3	4904.6	4922.7	4898.0	4860.3	4842.2
10°	4477.4	4511.9	4546.4	4640.1	4756.7	4896.4	5014.7	5085.4	5080.4	5044.3	5013.1
12.5°	4117.6	4153.7	4227.7	4410.1	4623.7	4870.1	5090.3	5238.2	5289.1	5262.8	5208.6
15°	3830.0	3861.3	3917.1	4104.4	4382.1	4756.7	5118.2	5405.8	5535.6	5520.8	5455.1
17.5°	3821.8	3835.0	3869.5	3958.2	4171.8	4579.3	5088.6	5570.1	5818.2	5816.5	5734.4
20°	3966.4	3971.3	3991.1	4009.1	4130.7	4444.6	5013.1	5706.4	6135.3	6135.3	6046.6
22.5°	4166.9	4163.6	4183.3	4166.9	4226.0	4433.1	4965.4	5826.4	6488.6	6514.8	6403.1
25°	4467.6	4451.1	4446.2	4408.4	4419.9	4539.9	5018.0	5962.8	6907.5	6961.8	6822.1
27.5°	4868.5	4842.2	4824.1	4737.0	4707.5	4760.0	5179.0	6127.1	7374.2	7467.8	7290.4
30°	5391.0	5343.3	5317.0	5165.9	5059.1	5067.3	5422.2	6345.6	7862.2	8013.3	7788.2
32.5°	6104.1	6030.1	5959.5	5711.4	5515.9	5451.8	5736.0	6647.9	8391.3	8632.8	8343.6
35°	6902.6	6843.5	6767.9	6385.0	6084.4	5936.5	6159.9	7070.2	9010.7	9393.5	9017.3
37.5°	7671.6	7620.6	7656.8	7140.9	6753.1	6537.9	6715.3	7637.1	9774.7	10340.0	9861.8
40°	8466.8	8427.4	8432.3	7939.4	7487.6	7246.0	7389.0	8348.5	10650.5	11465.5	10877.3
42.5°	9331.1	9301.5	9202.9	8765.9	8258.2	8033.1	8164.5	9170.1	11590.4	12747.1	11991.3
45°	10298.9	10280.8	10188.8	9687.7	9106.0	8853.0	9030.4	10077.1	12535.1	13953.1	13110.2
47.5°	11135.2	11150.0	11138.5	10716.2	10113.2	9741.9	9953.8	11023.5	13414.2	15086.8	14183.1
50°	11537.8	11615.0	11728.4	11596.9	11222.3	10844.4	10885.5	11937.0	14252.2	16149.9	15211.7
52.5°	11327.5	11473.7	11782.6	11992.9	12137.5	12058.6	11948.5	12844.0	15040.8	17109.5	16184.4
55°	10543.7	10749.1	11261.7	11769.4	12507.2	13080.6	13225.2	13849.6	15809.8	17954.0	17104.6
57.5°	9115.9	9449.4	9909.5	10936.4	12178.6	13575.2	14713.9	15244.6	16624.8	18856.1	18067.4
60°	6667.7	7114.6	7686.4	9214.4	11028.4	13310.7	15980.7	17387.2	17783.2	20024.3	19321.1
62.5°	4267.1	4543.1	5068.9	6508.3	8593.4	11955.1	16368.5	20065.4	19746.6	21940.2	21200.8
65°	2921.4	3098.9	3580.3	4388.7	5555.3	8899.0	15330.0	22073.3	22865.2	24976.6	24414.7
67.5°	2122.9	2257.6	2668.4	3376.5	3619.7	5266.1	11896.0	21981.3	25896.7	28105.0	27230.9
70°	1547.8	1643.1	1988.1	2668.4	2785.0	2929.6	7206.6	18685.2	25831.0	28936.4	27889.8
72.5°	1146.9	1212.6	1444.3	2070.3	2254.3	1978.3	3567.1	13580.1	22196.5	26172.8	25333.2
75°	829.8	879.1	1049.9	1583.9	1804.1	1506.7	1779.5	7936.1	15482.8	18410.8	18558.7
77.5°	634.2	672.0	783.8	1160.0	1444.3	1130.4	1104.2	3650.9	7341.3	7377.5	7791.5
80°	509.4	534.0	594.8	816.6	1107.4	846.2	719.7	1473.9	2320.0	1963.5	2060.4
82.5°	374.6	415.7	502.8	573.4	792.0	583.3	438.7	744.3	882.3	759.1	765.7
85°	213.6	241.5	304.0	410.8	506.1	356.6	251.4	330.3	410.8	336.8	300.7
87.5°	75.6	98.6	106.8	161.0	220.2	147.9	96.9	95.3	134.7	100.2	83.8
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°	4539.9	4539.9	4539.9	4539.9	4539.9	4539.9	4539.9	4539.9	4539.9	4539.9	4539.9
2.5°	4572.7	4564.5	4531.6	4487.3	4441.3	4396.9	4382.1	4350.9	4329.5	4318.0	4331.2
5°	4664.7	4638.4	4561.2	4462.6	4359.1	4247.4	4168.5	4096.2	4043.6	3994.4	4014.1
7.5°	4796.2	4750.2	4617.1	4444.6	4260.5	4074.9	3936.8	3831.7	3761.0	3715.0	3724.9
10°	4949.0	4878.3	4674.6	4416.6	4132.4	3866.2	3703.5	3613.2	3568.8	3544.1	3550.7
12.5°	5124.8	5024.6	4733.7	4352.5	3936.8	3632.9	3521.1	3494.9	3496.5	3498.1	3501.4
15°	5341.7	5202.0	4781.4	4212.9	3682.2	3453.8	3434.1	3476.8	3521.1	3542.5	3540.9
17.5°	5586.5	5389.3	4789.6	3982.8	3432.4	3338.8	3401.2	3493.2	3560.6	3590.2	3596.7
20°	5849.4	5579.9	4730.5	3657.5	3227.0	3245.1	3356.8	3475.1	3549.1	3586.9	3596.7
22.5°	6150.1	5783.7	4589.1	3315.8	3059.4	3143.2	3274.7	3389.7	3466.9	3504.7	3514.6
25°	6493.5	6012.1	4367.3	3028.2	2914.8	3028.2	3159.7	3255.0	3317.4	3351.9	3361.8
27.5°	6874.7	6250.3	4071.6	2799.8	2788.3	2909.9	3018.4	3092.3	3125.2	3151.4	3161.3
30°	7257.5	6467.2	3713.4	2627.3	2678.2	2793.3	2870.5	2903.3	2913.2	2918.1	2929.6
32.5°	7671.6	6654.5	3337.1	2484.4	2573.1	2679.9	2725.9	2740.7	2694.7	2663.4	2673.3
35°	8172.7	6855.0	2969.1	2371.0	2469.6	2561.6	2576.4	2563.2	2509.0	2444.9	2448.2
37.5°	8792.2	7104.7	2674.9	2290.5	2372.6	2433.4	2415.3	2412.1	2417.0	2341.4	2346.3
40°	9551.3	7430.1	2459.7	2228.0	2293.8	2306.9	2256.0	2283.9	2308.5	2193.5	2196.8
42.5°	10394.2	7822.7	2323.3	2185.3	2228.0	2196.8	2117.9	2149.2	2145.9	1994.7	1993.1
45°	11253.5	8250.0	2275.7	2154.1	2167.2	2104.8	2017.7	2025.9	1956.9	1820.5	1825.5
47.5°	12107.9	8708.4	2305.3	2127.8	2091.7	2021.0	1953.6	1917.5	1815.6	1713.7	1713.7
50°	12945.9	9189.8	2413.7	2075.2	1988.1	1947.1	1897.8	1833.7	1725.2	1638.2	1631.6
52.5°	13723.1	9674.5	2535.3	1988.1	1858.3	1883.0	1851.8	1777.8	1671.0	1582.3	1583.9
55°	14459.2	10159.2	2582.9	1868.2	1736.7	1827.1	1809.0	1672.7	1544.5	1472.2	1465.6
57.5°	15261.0	10742.5	2530.4	1715.4	1638.2	1763.0	1694.0	1542.9	1468.9	1414.7	1409.8
60°	16371.7	11657.7	2417.0	1526.4	1544.5	1667.7	1549.4	1487.0	1406.5	1345.7	1342.4
62.5°	18216.9	13364.9	2234.6	1339.1	1434.4	1526.4	1480.4	1418.0	1335.8	1276.7	1276.7
65°	20944.5	15737.5	1891.2	1192.9	1311.2	1388.4	1406.5	1344.0	1258.6	1196.2	1199.5
67.5°	23244.8	17226.1	1431.1	1071.3	1184.7	1276.7	1327.6	1266.8	1176.5	1115.7	1117.3
70°	23118.3	16145.0	1092.7	951.3	1072.9	1166.6	1232.3	1184.7	1087.7	1030.2	1035.1
72.5°	20533.7	13506.2	884.0	829.8	959.6	1051.6	1130.4	1094.3	995.7	939.8	939.8
75°	15085.2	9587.4	706.5	706.5	818.3	931.6	1018.7	995.7	905.3	865.9	854.4
77.5°	6358.8	4022.3	553.7	586.6	680.2	800.2	908.6	916.8	838.0	887.3	805.1
80°	1690.7	1109.1	422.3	461.7	534.0	660.5	790.3	787.0	701.6	655.6	609.6
82.5°	644.1	437.1	300.7	325.3	386.1	506.1	626.0	645.7	560.3	484.7	484.7
85°	248.1	187.3	185.7	195.5	225.1	335.2	473.2	489.6	422.3	358.2	369.7
87.5°	64.1	55.9	69.0	65.7	103.5	179.1	271.1	281.0	258.0	149.5	213.6
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)