

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: P955200

Luminaire Tested: **GALN-SB8B-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8B-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31316 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 292.8
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



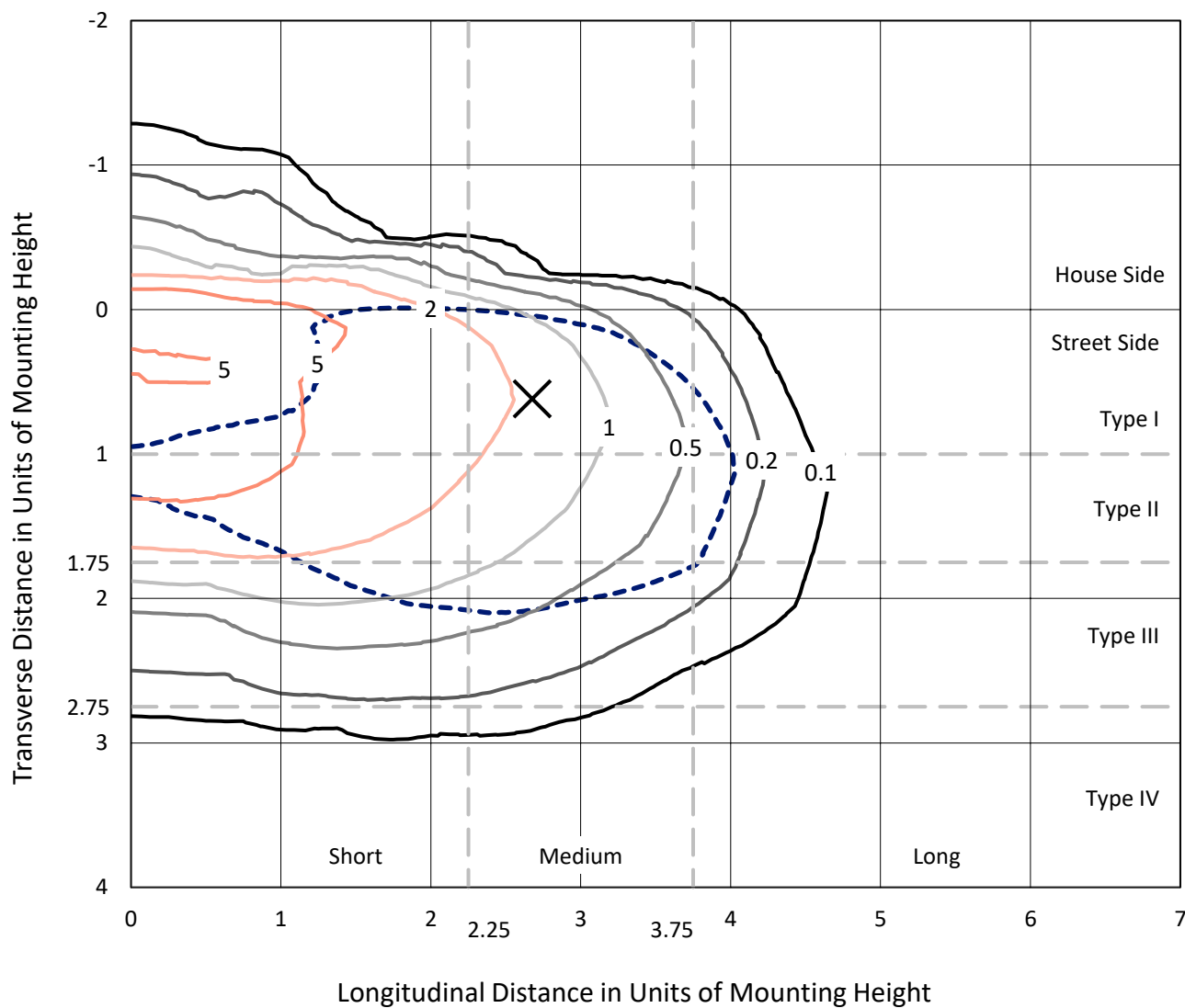
REPORT NUMBER: P955200

CATALOG NUMBER: GALN-SB8B-722-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

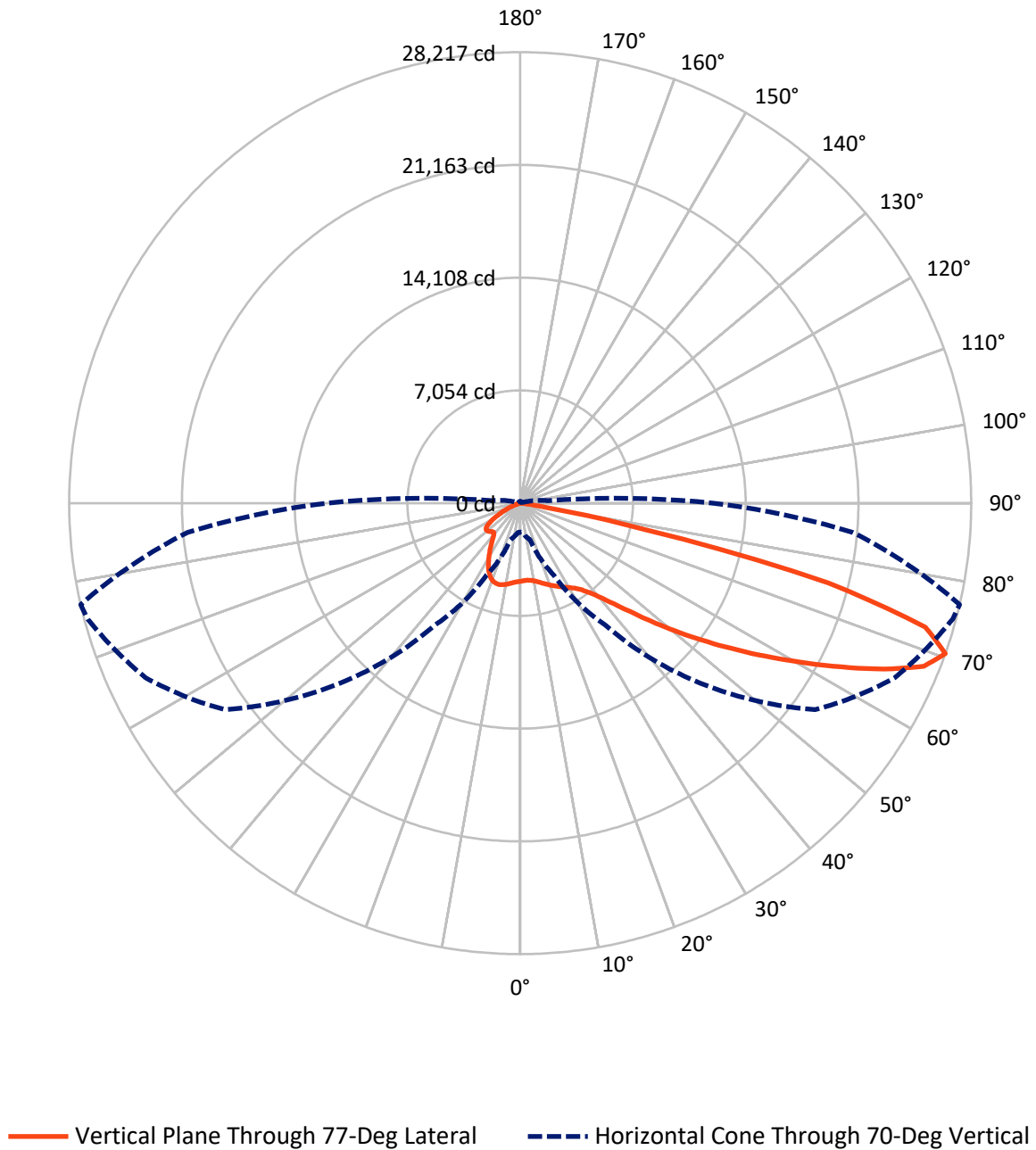
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P955200
CATALOG NUMBER: GALN-SB8B-722-U-T3R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P955200

CATALOG NUMBER: GALN-SB8B-722-U-T3R-HSS

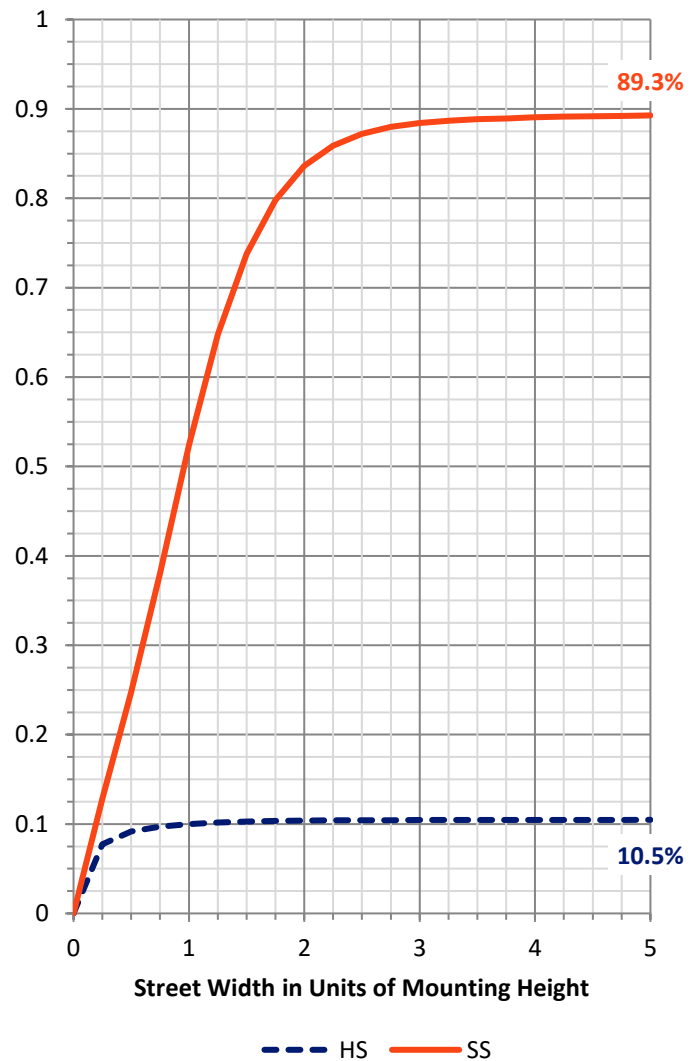
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3301.2	0.0	3301.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	28014.8	0.0	28014.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	31316.0	0.0	31316.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.0	1.3
10°-20°	999.4	3.2
20°-30°	1545.8	4.9
30°-40°	2804.9	9.0
40°-50°	5294.5	16.9
50°-60°	7650.1	24.4
60°-70°	8143.3	26.0
70°-80°	4315.4	13.8
80°-90°	141.7	0.5
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°	31316.0	100.0
0°-180°	31316.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955200

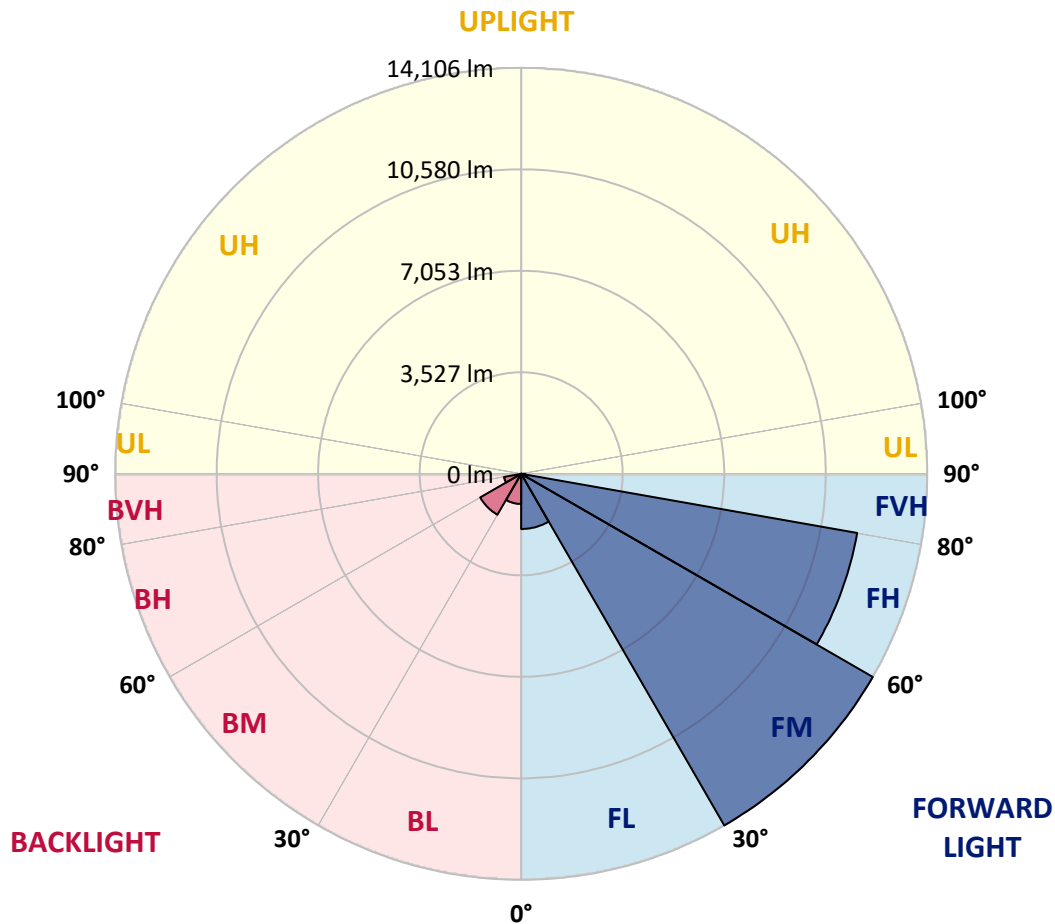
CATALOG NUMBER: GALN-SB8B-722-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1917.3	6.1			
FM	(30°-60°)	14106.1	45.0			
FH	(60°-80°)	11853.6	37.9			G4/12000
FVH	(80°-90°)	137.9	0.4			G2/225
BL	(0°-30°)	1048.8	3.3	B3/2500		
BM	(30°-60°)	1643.3	5.2	B2/2500		
BH	(60°-80°)	605.2	1.9	B2/1000		G2/1000
BVH	(80°-90°)	3.8	0.0			G0/10
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 Medium



REPORT NUMBER: P955200

CATALOG NUMBER: GALN-SB8B-722-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7
2.5°	4586.1	4627.6	4621.7	4649.4	4659.3	4698.8	4738.4	4791.8	4851.1	4849.1	4888.7
5°	4327.0	4368.6	4378.5	4416.0	4463.5	4524.8	4605.9	4712.7	4823.4	4841.2	4920.3
7.5°	4020.5	4064.0	4089.7	4164.9	4251.9	4378.5	4511.0	4667.2	4851.1	4876.8	5029.1
10°	3714.0	3753.5	3787.1	3893.9	4032.4	4220.2	4435.8	4661.3	4908.5	4946.0	5161.6
12.5°	3524.1	3561.7	3599.3	3692.2	3864.3	4093.7	4386.4	4688.9	5003.4	5056.8	5341.6
15°	3456.9	3490.5	3520.2	3603.2	3763.4	4024.5	4376.5	4746.3	5124.0	5195.2	5559.1
17.5°	3466.8	3484.6	3504.3	3567.6	3723.9	3992.8	4394.3	4845.2	5266.4	5329.7	5776.6
20°	3524.1	3534.0	3536.0	3579.5	3717.9	3988.9	4429.9	4940.1	5400.9	5485.9	5992.2
22.5°	3597.3	3601.3	3597.3	3627.0	3755.5	4018.5	4477.3	5054.8	5551.2	5630.3	6209.7
25°	3939.4	3864.3	3769.4	3712.0	3818.8	4075.9	4548.5	5209.1	5715.3	5792.5	6421.3
27.5°	5001.4	4785.8	4445.7	4064.0	3949.3	4158.9	4647.4	5365.3	5881.5	5950.7	6648.8
30°	6725.9	6443.1	5865.6	5005.4	4368.6	4333.0	4776.0	5521.5	6057.5	6132.6	6892.0
32.5°	8454.3	8385.1	7718.7	6528.1	5311.9	4720.6	4989.5	5733.1	6290.8	6350.1	7220.3
35°	10202.6	10062.1	9516.3	8339.6	6765.5	5509.7	5345.5	6010.0	6597.4	6664.6	7698.9
37.5°	11541.4	11456.4	11118.2	10149.2	8489.9	6727.9	5954.6	6439.1	7042.3	7117.5	8312.0
40°	12724.0	12684.5	12569.8	11931.0	10418.1	8321.8	6901.9	7103.6	7659.3	7748.3	9063.4
42.5°	13653.5	13746.5	13811.7	13633.7	12405.6	10141.3	8175.5	8037.1	8519.6	8610.6	10020.6
45°	14604.8	14636.4	14899.4	15156.5	14379.3	12043.7	9611.3	9130.7	9589.5	9702.2	11167.6
47.5°	15215.8	15342.4	15805.2	16258.0	16038.5	13930.4	11153.8	10422.1	10829.5	11041.1	12453.1
50°	15261.3	15500.6	16137.4	16926.5	17246.9	15726.1	12830.8	11893.4	12326.5	12559.9	13825.6
52.5°	14503.9	14875.7	15862.5	17017.5	17899.5	17246.9	14565.2	13364.8	13920.5	14225.0	15249.5
55°	11120.2	11606.7	14828.2	16523.0	17925.2	18399.8	16254.1	14897.4	15696.4	16040.5	16788.0
57.5°	9688.4	9933.6	11658.1	15664.8	17448.6	18864.6	17780.8	16356.9	17628.5	18055.7	18241.6
60°	8060.8	8383.1	9777.4	14260.6	16801.9	18910.0	19129.6	18239.6	19722.8	20203.4	19574.5
62.5°	5478.0	5828.1	7214.4	11847.9	15917.9	18888.3	20235.0	20177.7	22050.5	22566.7	20703.7
65°	3393.6	3613.1	4526.8	9674.5	14681.9	18912.0	21392.0	22531.1	24506.7	25030.8	21577.9
67.5°	2681.7	2782.5	3259.1	7428.0	12552.0	18378.1	22546.9	24744.0	26818.6	27233.9	21844.8
70°	1801.6	1862.9	2371.2	4979.7	9338.3	15913.9	22525.1	25855.5	28009.1	28216.7	20871.8
72.5°	949.3	996.7	1386.3	2305.9	5640.2	11312.0	18987.2	24526.5	26824.5	26512.0	17840.1
75°	474.6	553.7	933.4	1170.8	2408.7	6308.6	11790.6	19337.2	21113.1	19902.8	11446.5
77.5°	359.9	435.1	771.3	771.3	838.5	2124.0	4993.5	10546.7	9727.9	8100.3	3360.0
80°	229.4	296.6	674.4	583.4	350.0	539.9	1301.3	2954.6	2066.6	1572.2	611.1
82.5°	134.5	193.8	561.6	385.6	195.8	199.7	367.8	628.9	535.9	417.3	187.9
85°	53.4	126.6	385.6	152.3	77.1	49.4	110.7	134.5	110.7	83.1	47.5
87.5°	0.0	29.7	67.2	0.0	5.9	4.0	7.9	9.9	9.9	7.9	15.8
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: P955200

CATALOG NUMBER: GALN-SB8B-722-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7
2.5°	4906.5	4910.4	4922.3	4924.3	4896.6	4861.0	4847.2	4841.2	4817.5	4815.5	4819.5
5°	4965.8	4983.6	4965.8	4914.4	4791.8	4619.7	4489.2	4382.4	4285.5	4255.8	4238.0
7.5°	5084.5	5102.3	5048.9	4847.2	4538.6	4196.5	3888.0	3670.5	3474.7	3401.5	3371.8
10°	5254.5	5278.3	5110.2	4702.8	4157.0	3607.2	3085.1	2717.3	2430.5	2313.8	2264.4
12.5°	5468.1	5478.0	5143.8	4483.3	3660.6	2875.5	2135.8	1742.3	1487.2	1392.2	1362.6
15°	5703.5	5689.6	5147.8	4184.7	2984.2	2033.0	1394.2	1145.0	1042.2	1010.6	1010.6
17.5°	5950.7	5893.3	5068.6	3753.5	2242.6	1390.3	1034.3	975.0	957.2	949.3	947.3
20°	6193.9	6065.4	4924.3	3189.9	1609.8	1038.3	939.4	921.6	911.7	907.7	903.8
22.5°	6415.4	6195.9	4677.1	2535.3	1168.8	917.6	888.0	872.1	854.3	846.4	844.4
25°	6631.0	6271.0	4329.0	1924.2	935.4	858.3	834.6	804.9	781.2	771.3	767.3
27.5°	6840.6	6318.5	3893.9	1423.9	834.6	802.9	759.4	717.9	700.1	696.1	692.2
30°	7064.1	6334.3	3399.5	1062.0	773.3	733.7	670.4	623.0	613.1	615.0	615.0
32.5°	7337.0	6358.1	2901.2	870.2	721.8	650.6	575.5	526.0	518.1	526.0	524.1
35°	7663.3	6405.5	2420.6	800.9	676.3	565.6	484.5	443.0	435.1	441.0	439.0
37.5°	8106.3	6482.7	1971.7	787.1	638.8	494.4	407.4	373.8	373.8	375.7	373.8
40°	8695.6	6688.3	1570.2	777.2	619.0	441.0	344.1	330.3	336.2	340.2	340.2
42.5°	9413.5	7125.4	1299.3	765.3	597.2	417.3	312.5	306.5	316.4	320.4	320.4
45°	10218.4	7679.1	1204.4	745.6	577.5	433.1	298.6	290.7	302.6	304.6	306.5
47.5°	11051.0	8221.0	1192.5	723.8	557.7	456.8	294.7	276.9	290.7	292.7	294.7
50°	11893.4	8575.0	1204.4	690.2	526.0	456.8	296.6	263.0	274.9	280.8	282.8
52.5°	12741.8	8737.1	1196.5	617.0	470.7	429.1	296.6	251.2	263.0	267.0	267.0
55°	13564.5	8705.5	1075.8	508.2	399.5	379.7	288.7	241.3	249.2	251.2	251.2
57.5°	14215.2	8264.5	852.4	395.5	324.3	316.4	263.0	229.4	235.3	233.4	233.4
60°	14555.3	7295.5	609.1	304.6	255.1	249.2	231.4	213.6	217.5	207.7	205.7
62.5°	14559.3	6014.0	407.4	241.3	203.7	197.8	197.8	191.8	187.9	168.1	162.2
65°	14248.8	4592.0	270.9	191.8	164.1	154.3	166.1	164.1	150.3	122.6	118.7
67.5°	13544.7	3009.9	205.7	150.3	126.6	120.6	132.5	138.4	128.5	102.8	100.9
70°	12097.1	1752.2	170.1	116.7	94.9	89.0	106.8	118.7	106.8	83.1	79.1
72.5°	10048.3	945.3	138.4	87.0	65.3	59.3	85.0	96.9	85.0	61.3	59.3
75°	6520.2	506.3	106.8	57.4	33.6	37.6	63.3	71.2	59.3	39.6	35.6
77.5°	2189.2	223.5	67.2	27.7	15.8	15.8	37.6	43.5	27.7	13.8	11.9
80°	488.5	92.9	27.7	11.9	5.9	5.9	7.9	7.9	4.0	0.0	0.0
82.5°	160.2	37.6	11.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	61.3	13.8	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	23.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)