

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: P950544

Luminaire Tested: **GALN-SB5A-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5A-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15960 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 141.7
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

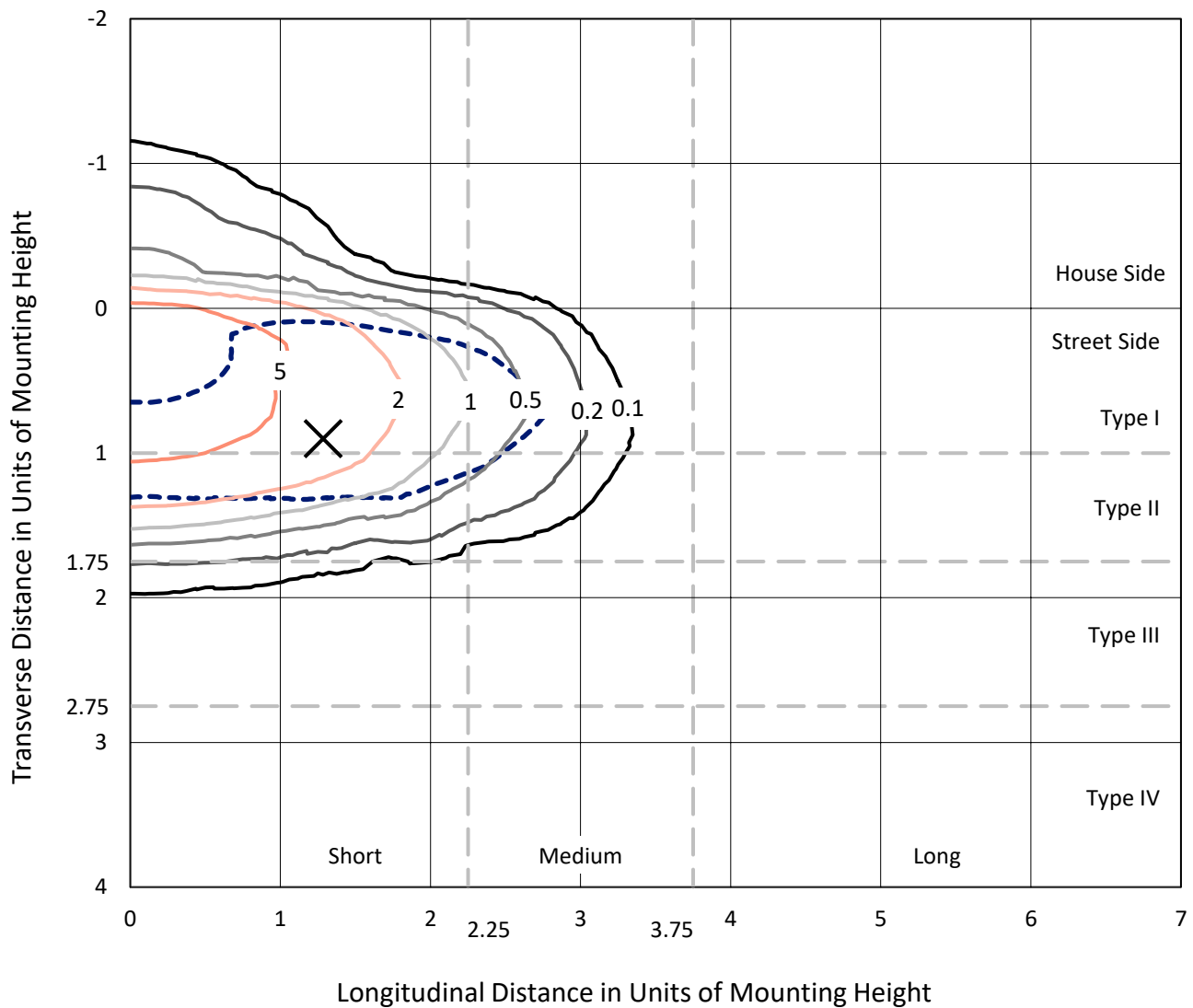


REPORT NUMBER: P950544

CATALOG NUMBER: GALN-SB5A-722-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

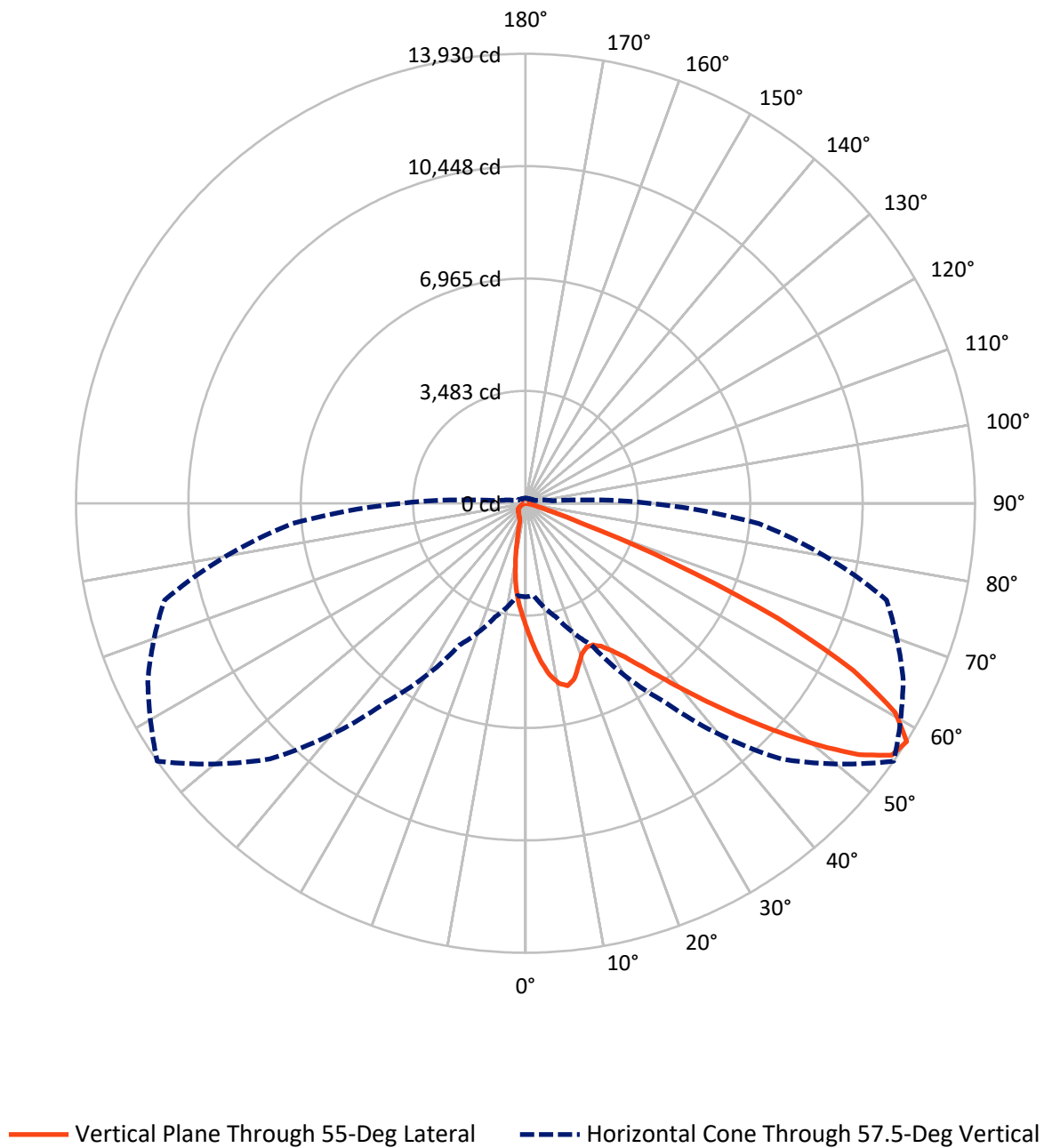


Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
Type II - Short - N/A

REPORT NUMBER: P950544

CATALOG NUMBER: GALN-SB5A-722-U-AFL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P950544

CATALOG NUMBER: GALN-SB5A-722-U-AFL-HSS

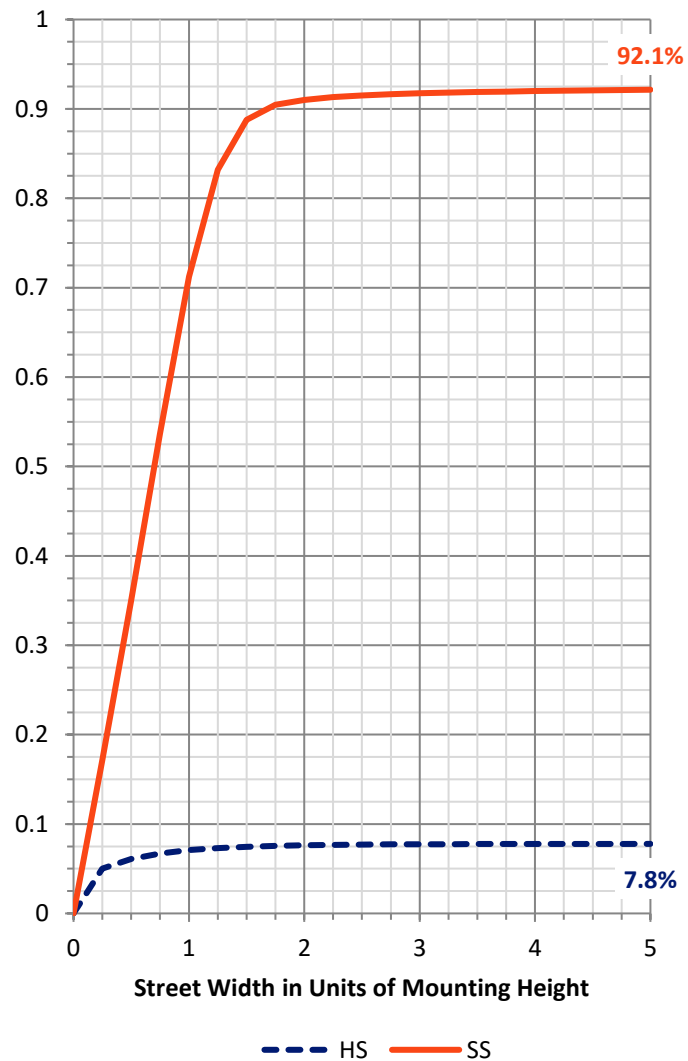
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1246.4	0.0	1246.4
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	14713.6	0.0	14713.6
	% Fixture	92.2	0.0	92.2
Total	Lumens	15960.0	0.0	15960.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.8	2.2
10°-20°	864.4	5.4
20°-30°	1383.0	8.7
30°-40°	2340.8	14.7
40°-50°	3843.1	24.1
50°-60°	4223.8	26.5
60°-70°	2422.8	15.2
70°-80°	495.1	3.1
80°-90°	29.2	0.2
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°	15960.0	100.0
0°-180°	15960.0	100.0

Coefficient of Utilization



REPORT NUMBER: P950544

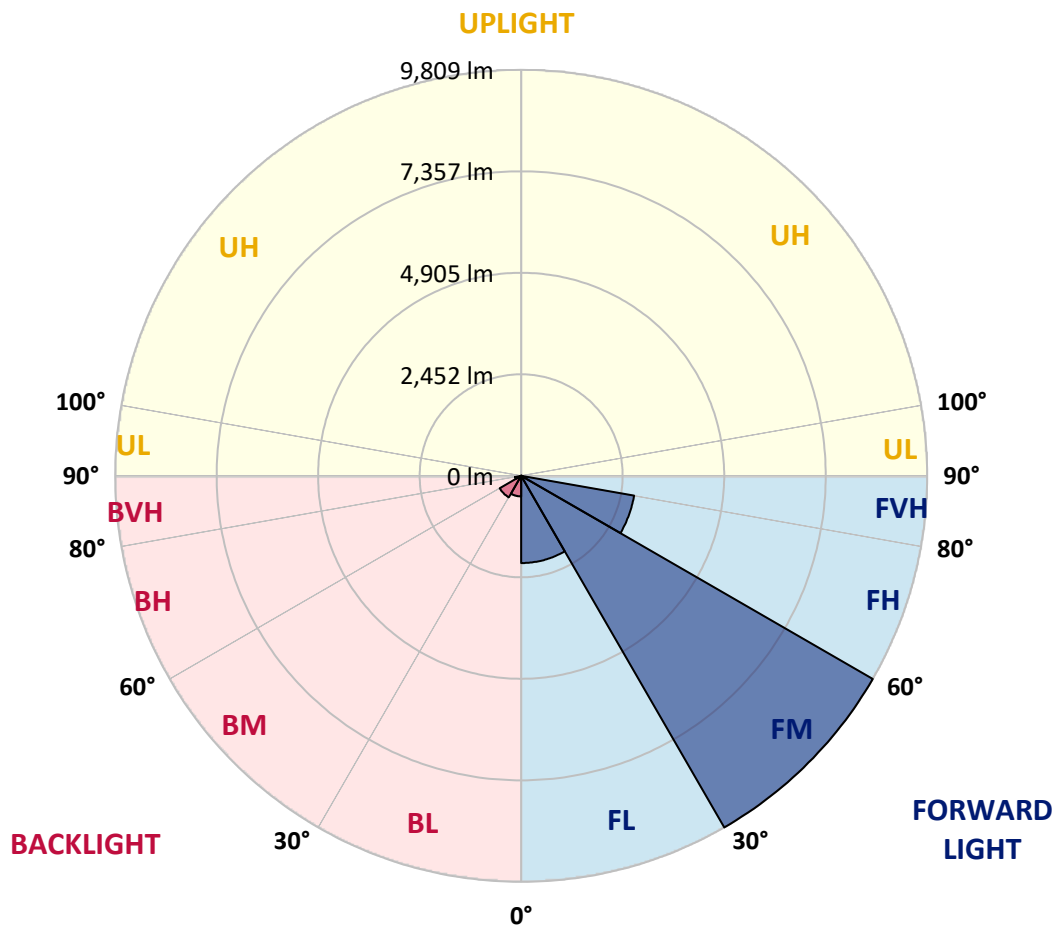
CATALOG NUMBER: GALN-SB5A-722-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2107.6	13.2			
FM	(30°-60°)	9809.1	61.5			
FH	(60°-80°)	2769.6	17.4			G2/5000
FVH	(80°-90°)	27.2	0.2			G1/100
BL	(0°-30°)	497.6	3.1	B1/500		
BM	(30°-60°)	598.6	3.8	B1/1000		
BH	(60°-80°)	148.2	0.9	B1/500		G1/500
BVH	(80°-90°)	2.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



REPORT NUMBER: P950544

CATALOG NUMBER: GALN-SB5A-722-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3846.0	3846.0	3846.0	3846.0	3846.0	3846.0	3846.0	3846.0	3846.0	3846.0	3846.0
2.5°	4772.0	4712.0	4703.1	4691.3	4577.2	4491.6	4367.6	4231.7	4079.2	3923.7	3854.8
5°	5513.1	5465.8	5457.0	5401.9	5272.0	5126.3	4905.9	4627.4	4343.0	4008.3	3864.7
7.5°	5656.8	5647.9	5688.3	5686.3	5668.6	5553.4	5367.4	5035.8	4608.7	4112.7	3890.3
10°	5016.1	5038.7	5158.8	5264.1	5548.5	5713.8	5673.5	5399.9	4882.3	4231.7	3918.8
12.5°	4432.5	4405.9	4491.6	4610.6	4941.3	5433.4	5800.4	5704.0	5195.2	4366.6	3961.1
15°	4066.4	4055.6	4103.8	4158.9	4410.9	4906.9	5652.8	5951.0	5496.3	4526.0	4025.1
17.5°	3949.3	3940.4	3955.2	3969.0	4132.3	4516.2	5301.5	6102.6	5784.7	4708.1	4095.9
20°	4044.8	4033.0	4031.0	4020.2	4088.1	4349.8	4983.6	6113.4	6043.5	4873.4	4157.0
22.5°	4323.3	4309.5	4261.3	4218.0	4223.9	4372.5	4841.9	6005.1	6238.4	5027.9	4195.3
25°	4828.1	4805.5	4705.1	4559.5	4467.0	4529.9	4863.6	5862.4	6424.4	5149.0	4176.6
27.5°	5459.9	5430.4	5301.5	5085.0	4873.4	4796.6	5020.0	5764.0	6578.9	5241.5	4136.3
30°	6078.9	6040.6	5913.6	5745.3	5436.3	5194.2	5302.5	5807.3	6762.9	5337.9	4083.1
32.5°	6747.2	6710.8	6542.5	6333.8	6078.0	5752.2	5689.2	6018.9	6988.3	5472.7	4045.7
35°	7592.5	7535.5	7296.3	7011.9	6740.3	6410.6	6212.8	6384.0	7288.4	5678.4	4066.4
37.5°	8555.0	8478.3	8220.4	7827.7	7473.5	7104.4	6850.5	6885.9	7728.3	5954.0	4130.4
40°	9462.4	9392.5	9154.3	8784.3	8339.5	7891.7	7621.1	7542.3	8335.6	6289.6	4242.6
42.5°	10006.6	9943.6	9843.2	9686.8	9311.8	8855.2	8513.7	8343.4	9054.0	6691.1	4379.4
45°	10037.1	9982.0	10116.8	10298.9	10225.1	9921.0	9504.7	9192.7	9775.3	7068.0	4521.1
47.5°	9549.0	9511.6	9921.0	10556.7	10873.6	11001.6	10617.7	9971.2	10370.7	7338.6	4579.1
50°	8218.4	8204.7	9047.1	10214.2	11120.6	11948.3	11791.8	10695.5	10832.3	7478.4	4524.0
52.5°	7126.1	7075.9	7566.9	9117.9	10761.4	12446.2	12939.3	11406.0	11155.1	7504.9	4395.1
55°	5404.8	5360.5	5976.6	7283.5	9603.1	12269.1	13778.8	12139.2	11386.3	7437.0	4163.8
57.5°	2899.2	2871.7	3650.1	4847.8	7506.9	11206.2	13930.3	12914.7	11581.2	7256.9	3840.1
60°	1128.8	1123.9	1415.2	2352.1	4562.4	9116.9	13165.6	13380.2	11703.2	7035.5	3569.4
62.5°	683.0	697.7	745.0	1056.0	2015.5	5663.6	11403.1	12850.7	11784.9	6832.8	3346.0
65°	564.9	565.9	571.8	725.3	965.4	2369.8	8584.5	11108.8	11583.2	6471.6	3029.1
67.5°	484.2	493.0	515.7	575.7	681.0	1039.2	4942.3	8605.2	10356.0	5631.2	2535.1
70°	381.8	393.7	422.2	473.4	525.5	650.5	1826.5	5725.6	7911.4	4244.5	1917.1
72.5°	321.8	320.8	335.6	384.8	417.3	457.6	702.7	3208.3	4597.8	2026.3	948.7
75°	249.0	258.8	277.5	321.8	341.5	331.7	380.9	1172.1	1647.4	614.1	322.8
77.5°	194.9	202.7	219.5	262.8	282.4	235.2	219.5	419.2	529.5	220.4	145.7
80°	87.6	94.5	149.6	193.9	230.3	162.4	119.1	214.5	235.2	100.4	73.8
82.5°	15.7	26.6	87.6	102.3	118.1	105.3	62.0	111.2	115.1	40.3	25.6
85°	1.0	2.0	30.5	37.4	47.2	34.4	18.7	44.3	38.4	13.8	9.8
87.5°	0.0	0.0	0.0	1.0	1.0	4.9	5.9	7.9	5.9	4.9	3.9
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: P950544

CATALOG NUMBER: GALN-SB5A-722-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3846.0	3846.0	3846.0	3846.0	3846.0	3846.0	3846.0	3846.0	3846.0	3846.0
2.5°	3784.0	3644.2	3508.4	3397.2	3332.3	3222.0	3149.2	3137.4	3106.9	3133.5
5°	3711.1	3461.2	3208.3	2981.9	2795.9	2555.8	2376.7	2300.9	2235.0	2257.6
7.5°	3676.7	3282.1	2888.4	2501.6	2104.1	1720.3	1434.9	1315.8	1225.2	1238.0
10°	3630.4	3096.1	2479.0	1888.5	1356.1	977.2	780.4	707.6	667.2	668.2
12.5°	3595.0	2873.6	2003.7	1280.3	825.7	623.9	562.9	545.2	533.4	534.4
15°	3577.3	2611.9	1534.3	853.2	590.5	528.5	513.7	505.8	498.0	497.0
17.5°	3547.8	2320.6	1122.9	623.0	516.7	495.0	482.2	473.4	463.5	461.6
20°	3503.5	1989.9	820.8	526.5	484.2	467.5	449.7	437.9	426.1	424.2
22.5°	3421.8	1640.5	630.8	487.1	460.6	441.9	420.2	406.4	394.6	392.7
25°	3270.3	1312.8	531.4	462.5	439.9	417.3	393.7	375.0	364.1	362.2
27.5°	3078.3	1031.4	482.2	439.9	413.3	392.7	366.1	348.4	338.5	336.6
30°	2852.0	794.2	453.7	414.3	381.8	364.1	340.5	325.7	319.8	319.8
32.5°	2607.9	634.8	441.9	388.7	354.3	334.6	315.9	310.0	308.0	307.0
35°	2378.6	551.1	436.0	368.1	329.7	311.0	303.1	304.1	308.0	308.0
37.5°	2174.9	524.5	433.0	353.3	308.0	291.3	296.2	305.1	301.1	301.1
40°	1990.9	527.5	431.0	342.5	290.3	280.5	290.3	283.4	273.6	272.6
42.5°	1850.2	552.1	427.1	333.6	279.5	272.6	268.7	257.8	256.9	258.8
45°	1747.8	573.7	426.1	329.7	267.7	254.9	250.0	239.1	258.8	263.7
47.5°	1626.8	573.7	426.1	315.9	248.0	243.1	235.2	223.4	243.1	248.0
50°	1470.3	537.3	409.4	300.2	232.3	229.3	215.5	200.8	196.8	199.8
52.5°	1272.5	471.4	367.1	278.5	216.5	210.6	193.9	183.0	180.1	180.1
55°	1047.1	394.6	310.0	247.0	199.8	189.0	177.1	172.2	169.3	167.3
57.5°	851.3	323.8	249.0	219.5	184.0	170.3	166.3	160.4	155.5	152.5
60°	698.7	254.9	205.7	194.9	168.3	155.5	154.5	146.6	133.8	131.9
62.5°	539.3	187.0	173.2	169.3	152.5	141.7	139.7	124.0	104.3	100.4
65°	380.9	145.7	139.7	148.6	135.8	126.0	121.0	97.4	76.8	73.8
67.5°	267.7	122.0	110.2	129.9	118.1	105.3	102.3	82.7	64.0	62.0
70°	190.9	99.4	90.5	111.2	94.5	92.5	86.6	68.9	52.2	50.2
72.5°	134.8	75.8	69.9	96.4	65.0	79.7	70.9	53.1	39.4	37.4
75°	99.4	54.1	49.2	56.1	47.2	60.0	50.2	35.4	24.6	23.6
77.5°	72.8	34.4	29.5	27.6	27.6	37.4	27.6	14.8	10.8	9.8
80°	51.2	15.7	13.8	11.8	10.8	8.9	3.9	2.0	1.0	1.0
82.5°	30.5	6.9	6.9	4.9	3.0	0.0	0.0	0.0	0.0	0.0
85°	6.9	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	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

(END OF REPORT)