Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: P951973

Luminaire Tested: **GALN-SB6A-722-U-AFL**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P951973
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB6A-722-U-AFL
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22854 lumens
Efficiency:	N/A
Efficacy:	133.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G2

Input Watts (W):	170.9
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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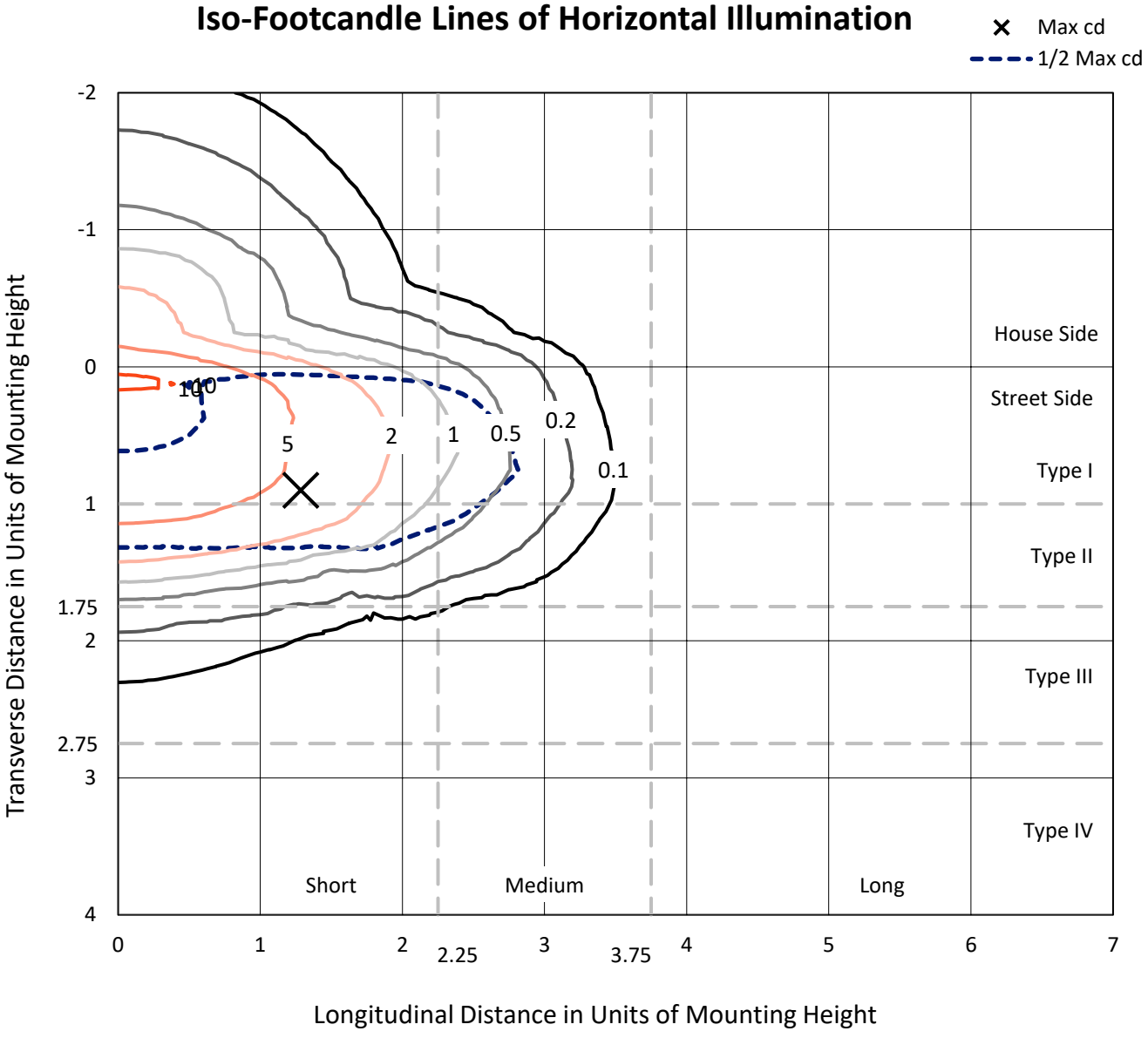
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
Type II - Short - N/A

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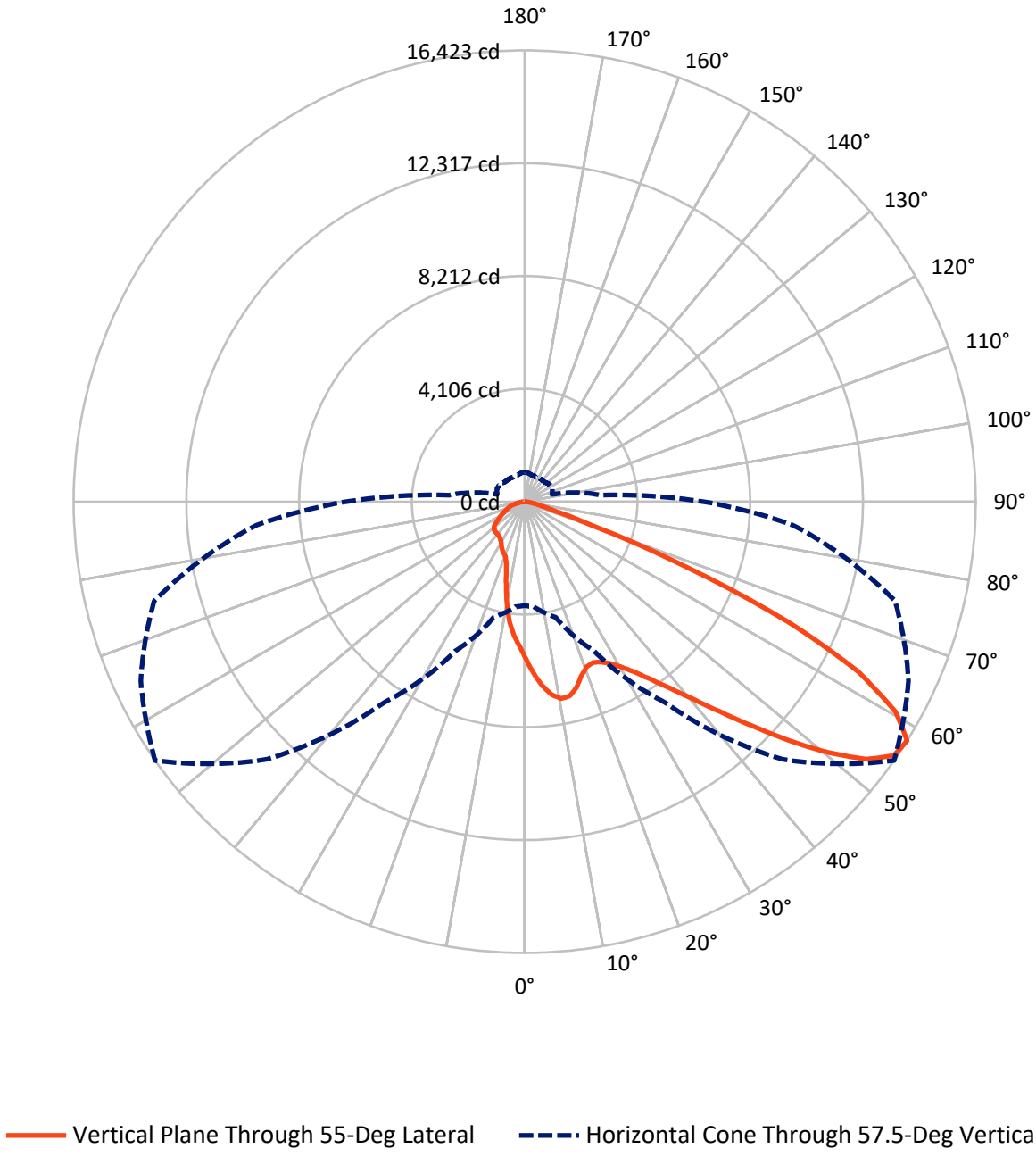
Luminous Intensity Polar Plot



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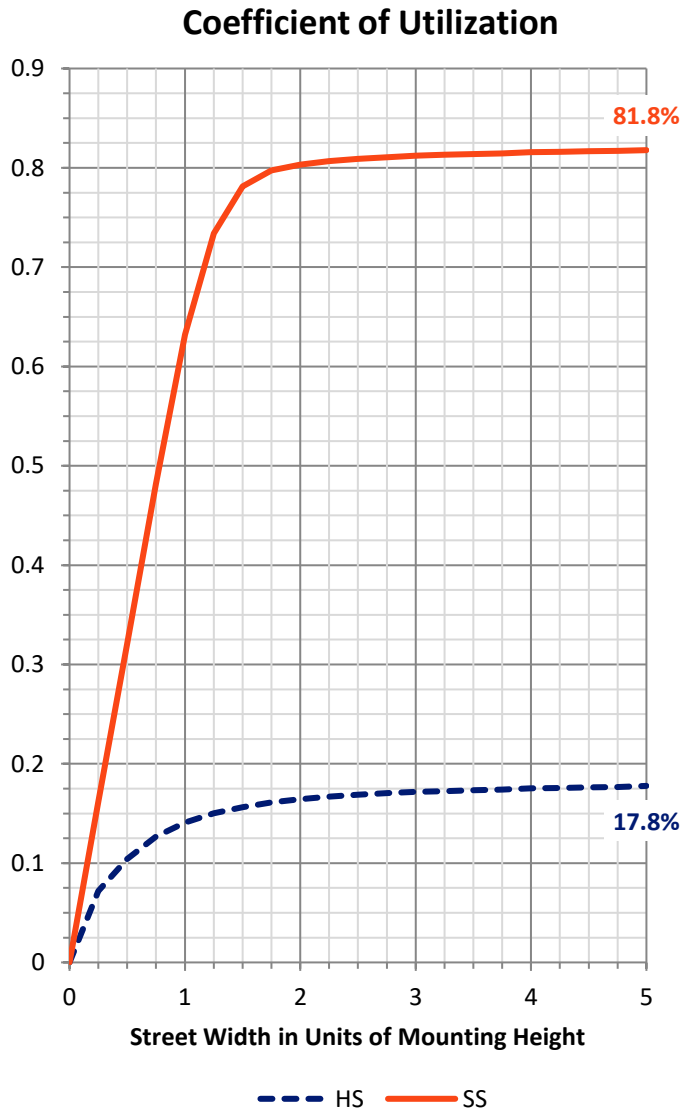
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4135.3	0.0	4135.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	18718.7	0.0	18718.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	22854.0	0.0	22854.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.4	2.3
10°-20°	1341.2	5.9
20°-30°	2140.2	9.4
30°-40°	3388.5	14.8
40°-50°	5186.5	22.7
50°-60°	5555.2	24.3
60°-70°	3494.8	15.3
70°-80°	1033.5	4.5
80°-90°	182.7	0.8
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°	22854.0	100.0
0°-180°	22854.0	100.0



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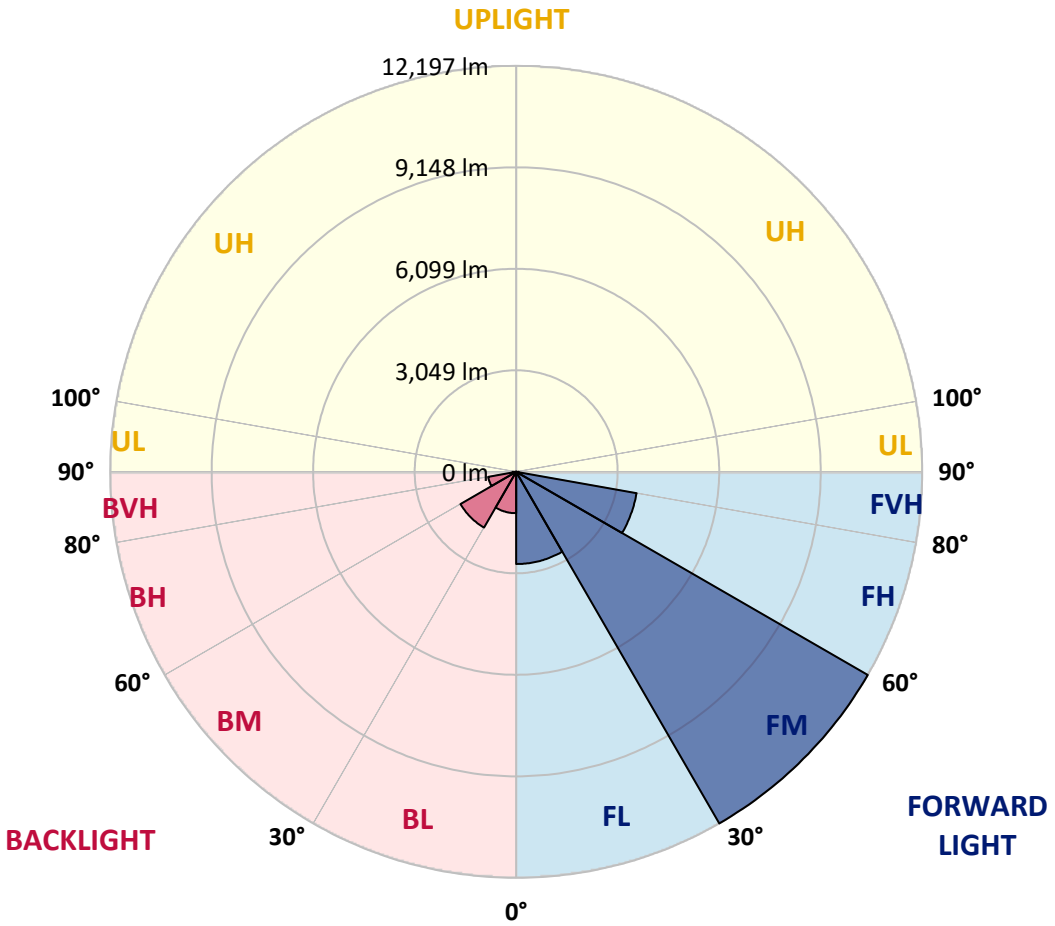
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2769.9	12.1			
FM	(30°-60°)	12197.3	53.4			
FH	(60°-80°)	3674.2	16.1			G2/5000
FVH	(80°-90°)	77.2	0.3			G1/100
BL	(0°-30°)	1242.9	5.4	B3/2500		
BM	(30°-60°)	1932.8	8.5	B2/2500		
BH	(60°-80°)	854.0	3.7	B2/1000		G2/1000
BVH	(80°-90°)	105.5	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-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5726.5	5726.5	5726.5	5726.5	5726.5	5726.5	5726.5	5726.5	5726.5	5726.5	5726.5
2.5°	6570.0	6565.3	6591.3	6502.7	6442.4	6360.9	6253.4	6116.3	5968.7	5812.7	5745.4
5°	7161.9	7120.6	7147.8	7081.6	7015.4	6892.6	6733.1	6509.8	6236.9	5926.1	5760.7
7.5°	7068.6	7040.2	7109.9	7169.0	7218.6	7203.3	7086.3	6852.4	6500.3	6049.0	5809.2
10°	6316.0	6284.1	6382.2	6586.6	6886.7	7147.8	7289.5	7144.2	6769.7	6183.7	5856.4
12.5°	5652.0	5636.7	5701.7	5867.1	6200.2	6701.2	7263.5	7399.4	7049.7	6343.2	5920.2
15°	5368.5	5349.6	5390.9	5474.8	5687.5	6154.2	7027.2	7574.3	7325.0	6527.5	6021.8
17.5°	5305.9	5284.6	5302.3	5346.0	5483.1	5838.7	6670.4	7660.5	7612.1	6733.1	6106.9
20°	5421.7	5403.9	5406.3	5403.9	5499.6	5782.0	6422.3	7627.4	7862.5	6922.1	6189.6
22.5°	5701.7	5672.1	5673.3	5610.7	5662.7	5881.2	6357.4	7538.8	8085.8	7087.5	6252.2
25°	6157.7	6104.5	6115.2	5955.7	5941.5	6103.4	6459.0	7470.3	8307.9	7219.8	6264.0
27.5°	6781.5	6721.2	6689.3	6451.9	6338.5	6418.8	6665.7	7493.9	8518.2	7334.4	6234.5
30°	7561.3	7488.0	7423.0	7086.3	6880.7	6851.2	6987.1	7649.9	8766.3	7454.9	6183.7
32.5°	8517.0	8432.0	8313.8	7867.3	7577.8	7423.0	7402.9	7927.5	9057.0	7608.5	6157.7
35°	9654.8	9543.7	9376.0	8798.2	8432.0	8115.4	7951.1	8328.0	9455.1	7840.1	6187.2
37.5°	10826.8	10701.5	10548.0	9860.4	9410.2	8943.5	8619.8	8871.5	9985.6	8154.3	6265.2
40°	11907.8	11767.2	11624.3	11012.3	10529.1	9966.7	9438.6	9559.1	10634.2	8530.0	6397.5
42.5°	12545.8	12441.8	12387.5	12056.7	11683.3	11112.7	10457.0	10374.3	11363.2	8962.5	6548.8
45°	12517.4	12474.9	12642.7	12779.7	12691.1	12374.5	11650.2	11275.7	12094.5	9337.0	6688.2
47.5°	11848.7	11877.1	12251.6	13021.9	13361.0	13526.4	13008.9	12160.6	12730.1	9617.0	6750.8
50°	10029.3	10052.9	10920.1	12581.2	13533.5	14465.6	14356.9	13024.3	13222.7	9788.3	6736.6
52.5°	8589.1	8604.5	8976.6	11274.5	12964.0	14938.2	15571.5	13838.3	13583.1	9835.5	6657.5
55°	6469.6	6522.8	6939.8	8845.5	11482.5	14563.7	16311.0	14677.1	13811.1	9840.3	6574.7
57.5°	3779.4	3837.3	4352.4	6004.1	8924.6	13258.2	16423.3	15421.4	13965.9	9802.5	6525.1
60°	1851.3	1876.1	2100.6	3155.6	5503.2	10742.9	15520.7	15781.8	14052.1	9782.4	6522.8
62.5°	1247.6	1244.1	1253.5	1557.1	2711.4	6902.0	13639.8	15150.9	14006.0	9705.6	6499.1
65°	1072.8	1059.8	1024.3	1092.8	1404.7	3156.8	10538.5	13267.6	13655.2	9513.0	6337.3
67.5°	927.4	928.6	929.8	908.5	1003.0	1456.7	6440.1	10451.1	12395.7	8600.9	5713.5
70°	767.9	778.6	783.3	783.3	817.6	955.8	2749.2	7163.1	9777.7	6743.7	4601.7
72.5°	699.4	677.0	679.3	667.5	667.5	727.8	1107.0	4060.6	6160.1	3793.6	2808.3
75°	570.6	584.8	587.2	578.9	551.7	555.3	656.9	1703.6	2635.8	1573.7	1388.2
77.5°	492.7	492.7	497.4	491.5	470.2	415.9	438.3	660.4	896.7	645.1	693.5
80°	395.8	394.6	414.7	426.5	393.4	307.2	280.0	365.1	398.1	283.5	360.3
82.5°	192.6	204.4	284.7	324.9	298.9	222.1	171.3	226.8	212.7	125.2	161.9
85°	112.2	106.3	127.6	180.8	171.3	122.9	82.7	118.1	111.1	63.8	65.0
87.5°	35.4	33.1	26.0	61.4	49.6	34.3	22.4	34.3	30.7	14.2	14.2
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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	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5726.5	5726.5	5726.5	5726.5	5726.5	5726.5	5726.5	5726.5	5726.5	5726.5
2.5°	5661.5	5522.1	5383.9	5257.4	5180.6	5131.0	5081.4	5025.9	5004.6	4972.7
5°	5604.8	5335.4	5095.6	4888.8	4701.0	4553.3	4404.4	4283.9	4229.6	4266.2
7.5°	5571.7	5181.8	4812.0	4432.8	4067.7	3775.9	3521.9	3343.5	3263.2	3283.2
10°	5542.2	5008.2	4444.6	3845.6	3321.0	2959.5	2699.6	2563.7	2512.9	2523.6
12.5°	5515.0	4813.2	4001.6	3213.5	2655.9	2417.2	2342.8	2344.0	2353.4	2360.5
15°	5510.3	4578.1	3506.5	2660.6	2296.7	2281.4	2361.7	2412.5	2439.7	2448.0
17.5°	5503.2	4296.9	3002.1	2283.7	2209.3	2313.3	2387.7	2420.8	2442.0	2443.2
20°	5474.8	3940.1	2536.6	2104.2	2190.4	2280.2	2326.3	2352.3	2370.0	2375.9
22.5°	5387.4	3543.2	2173.9	2023.8	2114.8	2186.9	2241.2	2270.7	2281.4	2288.5
25°	5230.3	3098.9	1923.4	1947.0	2009.6	2100.6	2144.3	2150.2	2146.7	2157.3
27.5°	5024.7	2622.8	1767.4	1843.1	1923.4	2001.4	2025.0	2021.5	2014.4	2026.2
30°	4776.6	2195.1	1668.2	1726.1	1836.0	1906.9	1928.1	1919.9	1905.7	1918.7
32.5°	4514.3	1845.4	1586.7	1644.6	1763.9	1833.6	1854.9	1846.6	1836.0	1846.6
35°	4269.7	1600.9	1511.1	1590.2	1707.2	1775.7	1802.9	1804.1	1804.1	1817.1
37.5°	4045.3	1457.9	1448.5	1556.0	1668.2	1729.6	1768.6	1771.0	1720.2	1723.7
40°	3837.3	1397.7	1420.1	1533.5	1630.4	1689.5	1691.8	1559.5	1466.2	1463.8
42.5°	3667.2	1385.8	1428.4	1531.2	1603.2	1605.6	1439.0	1336.2	1310.2	1311.4
45°	3507.7	1382.3	1447.3	1531.2	1563.1	1387.0	1274.8	1247.6	1250.0	1259.4
47.5°	3329.3	1368.1	1450.8	1509.9	1447.3	1233.4	1200.3	1188.5	1183.8	1186.2
50°	3134.4	1317.3	1405.9	1467.4	1248.8	1167.3	1125.9	1122.4	1128.3	1131.8
52.5°	2928.8	1234.6	1329.1	1390.6	1157.8	1109.4	1063.3	1071.6	1097.6	1105.8
55°	2794.1	1137.7	1227.5	1237.0	1094.0	1055.0	1016.0	1034.9	1083.4	1098.7
57.5°	*2758.7*	*1034.9*	*1111.7*	*1101.1*	*1012.5*	*1007.8*	*984.1*	*1000.7*	*1062.1*	*1084.6*
60°	2748.0	942.8	998.3	990.1	933.3	955.8	949.9	958.2	979.4	986.5
62.5°	2665.3	869.5	896.7	884.9	862.5	901.4	915.6	897.9	914.4	922.7
65°	2455.0	810.5	797.5	789.2	798.7	834.1	862.5	827.0	842.4	866.0
67.5°	2107.7	730.1	694.7	704.1	733.7	752.6	789.2	749.0	762.0	802.2
70°	1704.8	628.5	596.6	623.8	652.2	691.1	697.1	669.9	700.6	745.5
72.5°	1206.3	525.7	503.3	558.8	568.3	619.1	606.1	593.1	635.6	651.0
75°	836.5	424.1	411.1	453.7	487.9	531.7	522.2	537.6	627.3	634.4
77.5°	529.3	329.6	321.4	348.5	395.8	444.2	459.6	634.4	1071.6	1114.1
80°	307.2	245.7	236.3	257.6	298.9	343.8	443.0	778.6	706.5	698.2
82.5°	171.3	168.9	157.1	163.0	199.7	248.1	626.2	548.2	445.4	459.6
85°	80.3	99.2	85.1	81.5	112.2	290.6	418.2	313.1	207.9	203.2
87.5°	21.3	18.9	18.9	21.3	47.3	250.5	166.6	133.5	79.2	76.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)