

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: P952686

Luminaire Tested: **GALN-SB6C-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952686
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-SB6C-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA 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: 31987 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 300.9
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

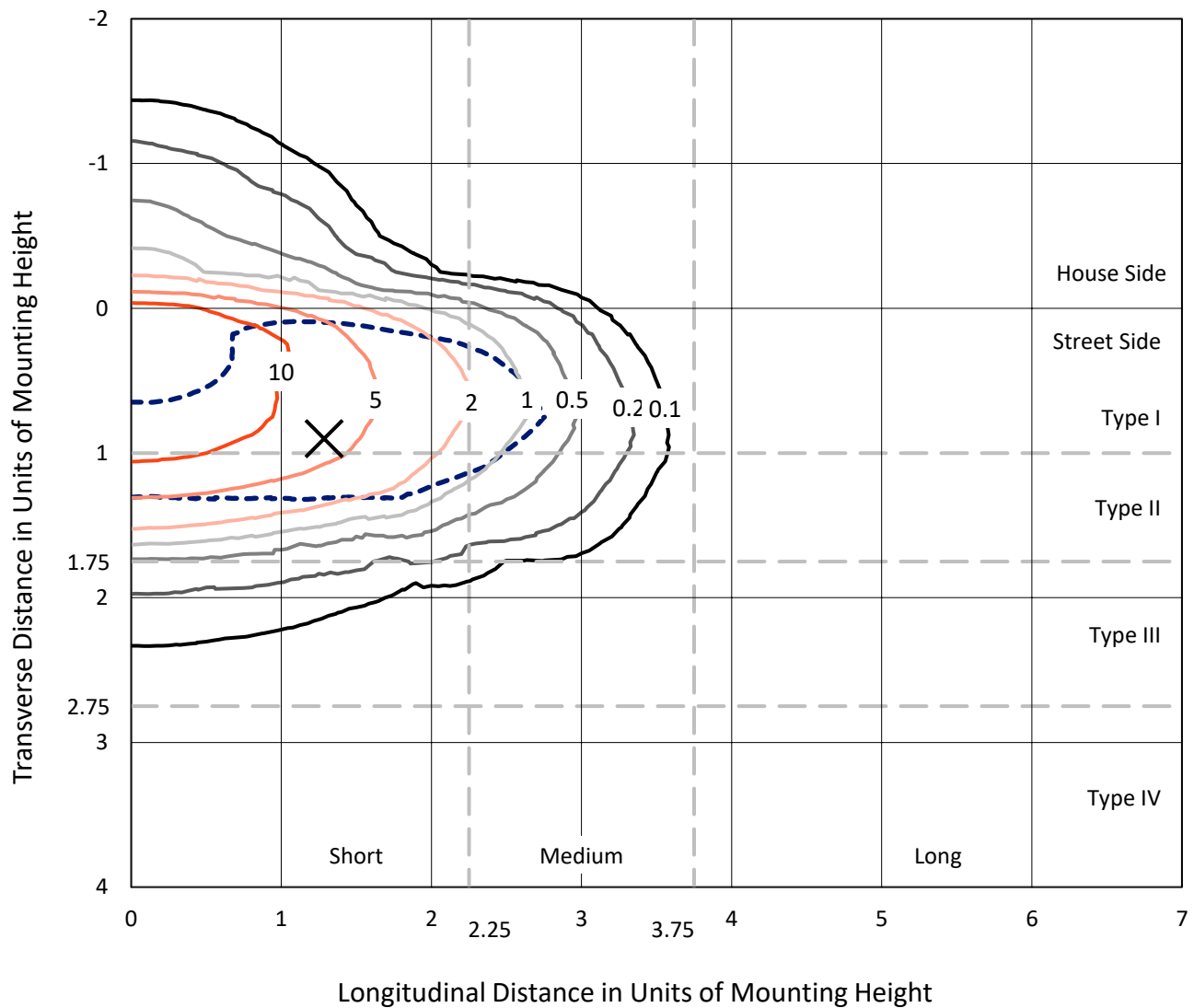


REPORT NUMBER: P952686

CATALOG NUMBER: GALN-SB6C-722-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

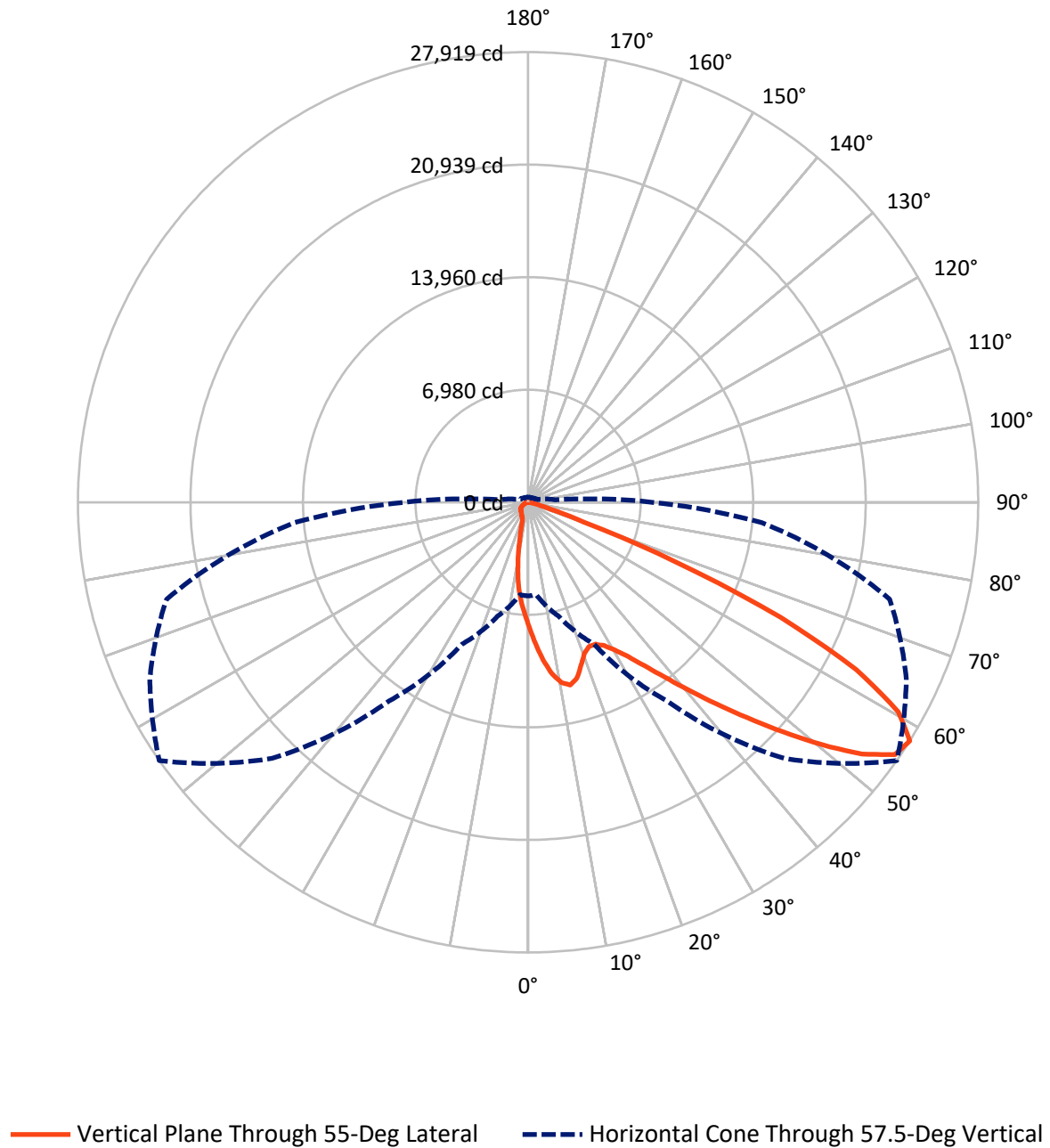
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.7 fc
Type II - Short - N/A

REPORT NUMBER: P952686
CATALOG NUMBER: GALN-SB6C-722-U-AFL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P952686

CATALOG NUMBER: GALN-SB6C-722-U-AFL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2498.1	0.0	2498.1
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	29488.9	0.0	29488.9
	% Fixture	92.2	0.0	92.2
Total	Lumens	31987.0	0.0	31987.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	717.2	2.2
10°-20°	1732.4	5.4
20°-30°	2771.8	8.7
30°-40°	4691.4	14.7
40°-50°	7702.3	24.1
50°-60°	8465.4	26.5
60°-70°	4855.8	15.2
70°-80°	992.2	3.1
80°-90°	58.5	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°	31987.0	100.0
0°-180°	31987.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952686

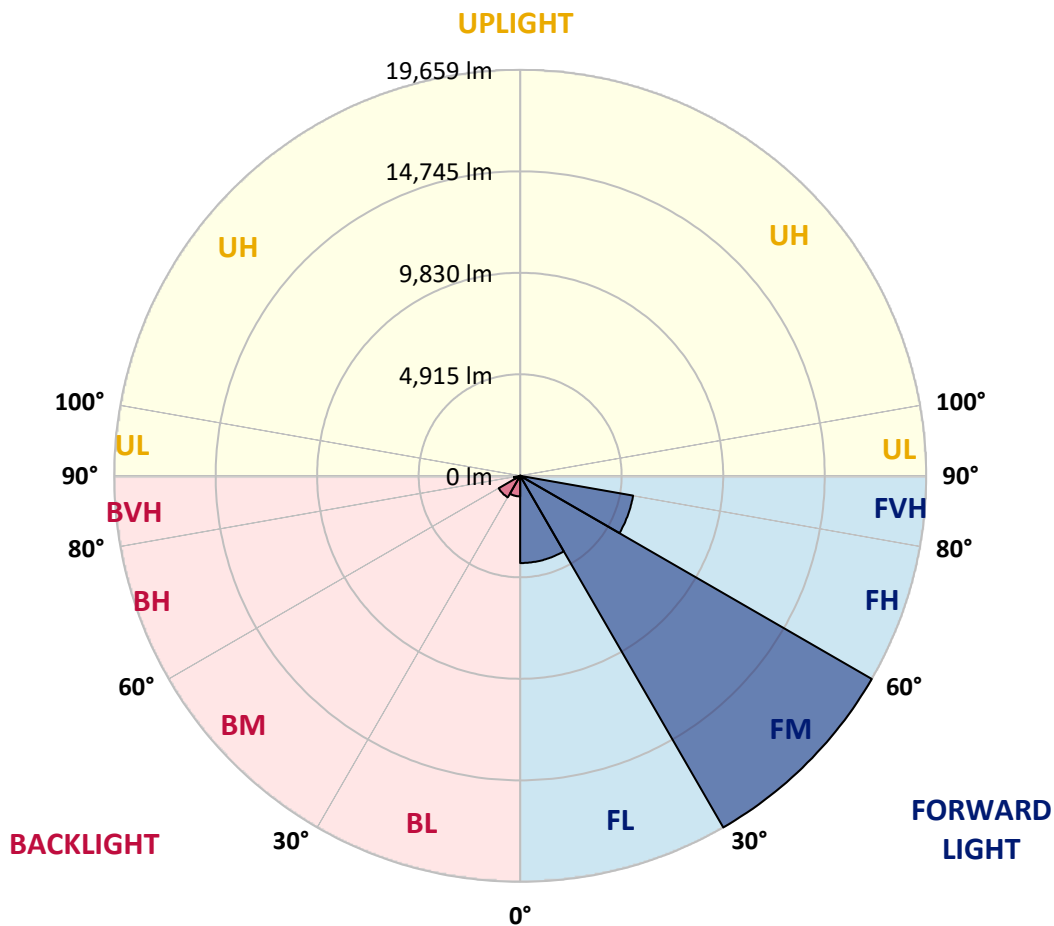
CATALOG NUMBER: GALN-SB6C-722-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4224.1	13.2			
FM	(30°-60°)	19659.4	61.5			
FH	(60°-80°)	5550.8	17.4			G3/7500
FVH	(80°-90°)	54.6	0.2			G1/100
BL	(0°-30°)	997.3	3.1	B2/1000		
BM	(30°-60°)	1199.7	3.8	B2/2500		
BH	(60°-80°)	297.1	0.9	B1/500		G1/500
BVH	(80°-90°)	3.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



REPORT NUMBER: P952686

CATALOG NUMBER: GALN-SB6C-722-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7708.1	7708.1	7708.1	7708.1	7708.1	7708.1	7708.1	7708.1	7708.1	7708.1	7708.1
2.5°	9564.1	9443.8	9426.0	9402.4	9173.6	9002.0	8753.4	8481.3	8175.5	7863.9	7725.8
5°	11049.3	10954.6	10936.9	10826.4	10566.1	10274.2	9832.3	9274.2	8704.1	8033.5	7745.6
7.5°	11337.3	11319.5	11400.4	11396.4	11360.9	11130.2	10757.4	10092.7	9236.7	8242.6	7796.8
10°	10053.2	10098.6	10339.2	10550.3	11120.3	11451.7	11370.8	10822.5	9785.0	8481.3	7854.0
12.5°	8883.6	8830.4	9002.0	9240.6	9903.3	10889.5	11625.2	11431.9	10412.2	8751.5	7938.8
15°	8149.9	8128.2	8224.8	8335.3	8840.2	9834.3	11329.4	11927.0	11015.8	9071.0	8067.1
17.5°	7915.2	7897.4	7927.0	7954.6	8282.0	9051.3	10625.2	12230.8	11593.7	9435.9	8209.1
20°	8106.5	8082.8	8078.9	8057.2	8193.3	8717.9	9988.2	12252.5	12112.4	9767.2	8331.4
22.5°	8664.7	8637.1	8540.4	8453.6	8465.5	8763.3	9704.1	12035.5	12502.9	10076.9	8408.3
25°	9676.5	9631.2	9430.0	9138.1	8952.7	9078.9	9747.5	11749.5	12875.7	10319.5	8370.8
27.5°	10942.8	10883.6	10625.2	10191.3	9767.2	9613.4	10061.1	11552.3	13185.4	10504.9	8289.9
30°	12183.4	12106.5	11852.1	11514.8	10895.5	10410.2	10627.2	11639.0	13554.2	10698.2	8183.4
32.5°	13522.7	13449.7	13112.4	12694.3	12181.4	11528.6	11402.4	12063.1	14005.9	10968.4	8108.5
35°	15216.9	15102.5	14623.3	14053.2	13508.9	12848.1	12451.7	12794.9	14607.5	11380.7	8149.9
37.5°	17145.9	16992.1	16475.3	15688.3	14978.3	14238.6	13729.8	13800.8	15489.1	11932.9	8278.1
40°	18964.5	18824.4	18347.1	17605.5	16714.0	15816.6	15274.1	15116.4	16706.1	12605.5	8502.9
42.5°	20055.2	19929.0	19727.8	19414.2	18662.7	17747.5	17063.1	16721.9	18145.9	13410.2	8777.1
45°	20116.3	20005.9	20276.1	20641.0	20493.1	19883.6	19049.3	18424.0	19591.7	14165.7	9061.1
47.5°	19138.0	19063.1	19883.6	21157.8	21792.9	22049.3	21280.1	19984.2	20785.0	14708.1	9177.5
50°	16471.4	16443.8	18132.1	20471.4	22287.9	23946.7	23633.1	21435.9	21710.0	14988.1	9067.1
52.5°	14282.0	14181.4	15165.7	18274.1	21568.0	24944.7	25932.9	22859.9	22357.0	15041.4	8808.7
55°	10832.3	10743.6	11978.3	14597.6	19246.5	24589.7	27615.4	24329.4	22820.5	14905.3	8345.2
57.5°	5810.6	5755.4	7315.6	9716.0	15045.3	22459.5	27919.1	25883.6	23211.0	14544.4	7696.2
60°	2262.3	2252.5	2836.3	4714.0	9144.0	18272.2	26386.6	26816.5	23455.6	14100.6	7153.8
62.5°	1368.8	1398.4	1493.1	2116.4	4039.4	11351.1	22854.0	25755.4	23619.3	13694.3	6706.1
65°	1132.1	1134.1	1146.0	1453.6	1934.9	4749.5	17205.1	22264.3	23215.0	12970.4	6071.0
67.5°	970.4	988.2	1033.5	1153.8	1364.9	2082.8	9905.3	17246.5	20755.4	11286.0	5080.9
70°	765.3	789.0	846.2	948.7	1053.3	1303.7	3660.7	11475.3	15856.0	8506.9	3842.2
72.5°	645.0	643.0	672.6	771.2	836.3	917.2	1408.3	6430.0	9215.0	4061.1	1901.4
75°	499.0	518.7	556.2	645.0	684.4	664.7	763.3	2349.1	3301.8	1230.8	646.9
77.5°	390.5	406.3	439.8	526.6	566.1	471.4	439.8	840.2	1061.1	441.8	291.9
80°	175.5	189.3	299.8	388.6	461.5	325.4	238.7	430.0	471.4	201.2	147.9
82.5°	31.6	53.3	175.5	205.1	236.7	211.0	124.3	222.9	230.8	80.9	51.3
85°	2.0	3.9	61.1	75.0	94.7	69.0	37.5	88.8	76.9	27.6	19.7
87.5°	0.0	0.0	0.0	2.0	2.0	9.9	11.8	15.8	11.8	9.9	7.9
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: P952686

CATALOG NUMBER: GALN-SB6C-722-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7708.1	7708.1	7708.1	7708.1	7708.1	7708.1	7708.1	7708.1	7708.1	7708.1
2.5°	7583.8	7303.7	7031.6	6808.7	6678.5	6457.6	6311.6	6288.0	6226.8	6280.1
5°	7437.9	6936.9	6430.0	5976.3	5603.5	5122.3	4763.3	4611.4	4479.3	4524.7
7.5°	7368.8	6577.9	5788.9	5013.8	4217.0	3447.7	2875.7	2637.1	2455.6	2481.3
10°	7276.1	6205.1	4968.4	3785.0	2717.9	1958.6	1564.1	1418.1	1337.3	1339.2
12.5°	7205.1	5759.4	4015.8	2566.1	1654.8	1250.5	1128.2	1092.7	1069.0	1071.0
15°	7169.6	5234.7	3074.9	1710.1	1183.4	1059.2	1029.6	1013.8	998.0	996.1
17.5°	7110.4	4650.9	2250.5	1248.5	1035.5	992.1	966.5	948.7	929.0	925.0
20°	7021.7	3988.2	1645.0	1055.2	970.4	936.9	901.4	877.7	854.0	850.1
22.5°	6858.0	3288.0	1264.3	976.3	923.1	885.6	842.2	814.6	790.9	787.0
25°	6554.2	2631.2	1065.1	927.0	881.7	836.3	789.0	751.5	729.8	725.8
27.5°	6169.6	2067.1	966.5	881.7	828.4	787.0	733.7	698.2	678.5	674.6
30°	5716.0	1591.7	909.3	830.4	765.3	729.8	682.4	652.9	641.0	641.0
32.5°	5226.8	1272.2	885.6	779.1	710.1	670.6	633.1	621.3	617.4	615.4
35°	4767.3	1104.5	873.8	737.7	660.7	623.3	607.5	609.5	617.4	617.4
37.5°	4359.0	1051.3	867.8	708.1	617.4	583.8	593.7	611.4	603.5	603.5
40°	3990.1	1057.2	863.9	686.4	581.9	562.1	581.9	568.0	548.3	546.4
42.5°	3708.1	1106.5	856.0	668.6	560.2	546.4	538.5	516.8	514.8	518.7
45°	3503.0	1149.9	854.0	660.7	536.5	510.8	501.0	479.3	518.7	528.6
47.5°	3260.4	1149.9	854.0	633.1	497.0	487.2	471.4	447.7	487.2	497.0
50°	2946.7	1076.9	820.5	601.6	465.5	459.6	432.0	402.4	394.5	400.4
52.5°	2550.3	944.8	735.7	558.2	433.9	422.1	388.6	366.9	360.9	360.9
55°	2098.6	790.9	621.3	495.1	400.4	378.7	355.0	345.2	339.3	335.3
57.5°	1706.1	648.9	499.0	439.8	368.8	341.2	333.3	321.5	311.6	305.7
60°	1400.4	510.8	412.2	390.5	337.3	311.6	309.7	293.9	268.2	264.3
62.5°	1080.9	374.8	347.1	339.3	305.7	284.0	280.1	248.5	209.1	201.2
65°	763.3	291.9	280.1	297.8	272.2	252.5	242.6	195.3	153.8	147.9
67.5°	536.5	244.6	220.9	260.4	236.7	211.0	205.1	165.7	128.2	124.3
70°	382.6	199.2	181.5	222.9	189.3	185.4	173.6	138.1	104.5	100.6
72.5°	270.2	151.9	140.0	193.3	130.2	159.8	142.0	106.5	78.9	75.0
75°	199.2	108.5	98.6	112.4	94.7	120.3	100.6	71.0	49.3	47.3
77.5°	146.0	69.0	59.2	55.2	55.2	75.0	55.2	29.6	21.7	19.7
80°	102.6	31.6	27.6	23.7	21.7	17.8	7.9	3.9	2.0	2.0
82.5°	61.1	13.8	13.8	9.9	5.9	0.0	0.0	0.0	0.0	0.0
85°	13.8	5.9	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	2.0	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)