

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: P956256

Luminaire Tested: **GALN-SB9A-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956256
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-SB9A-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

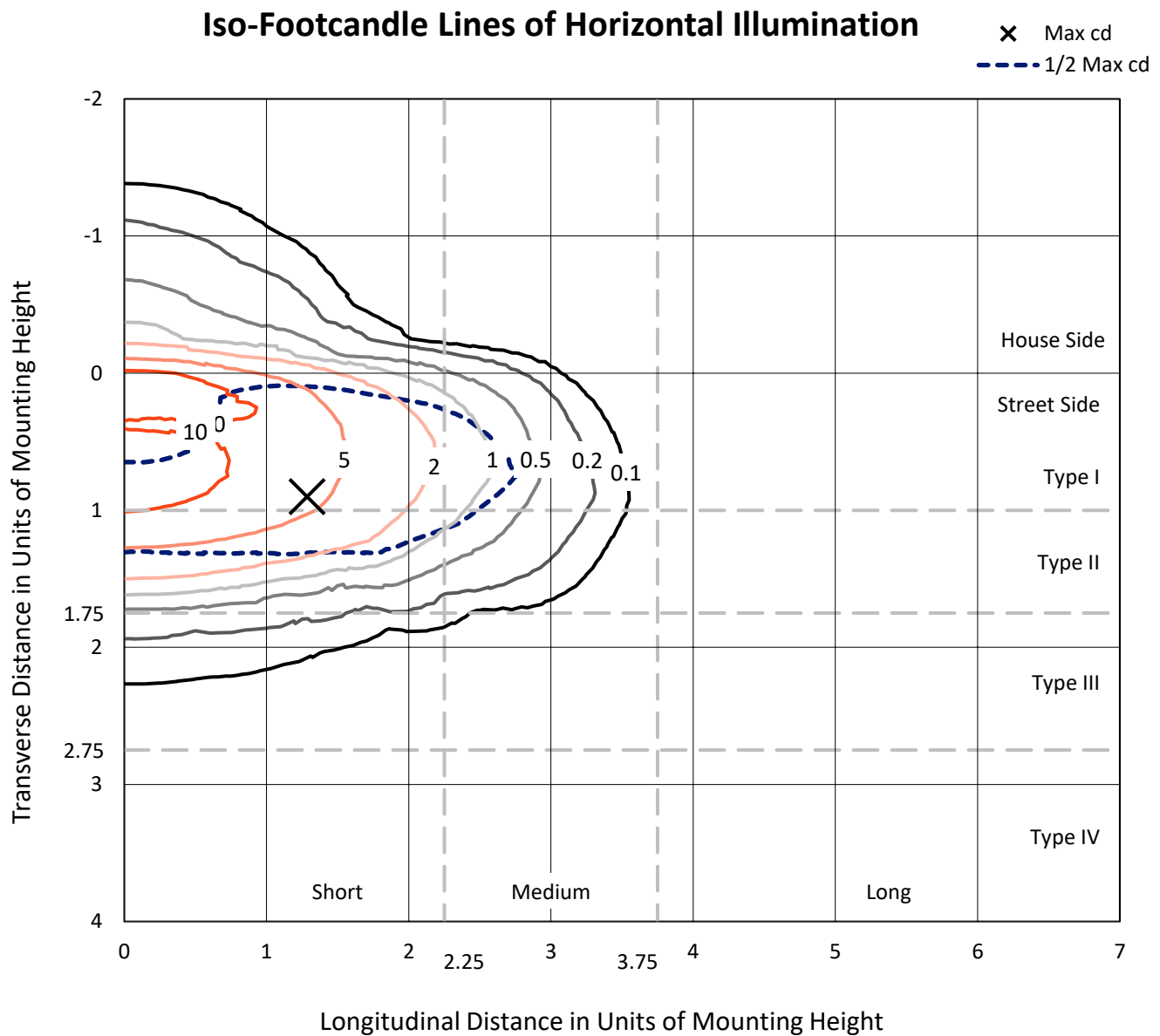
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28778 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 255.5
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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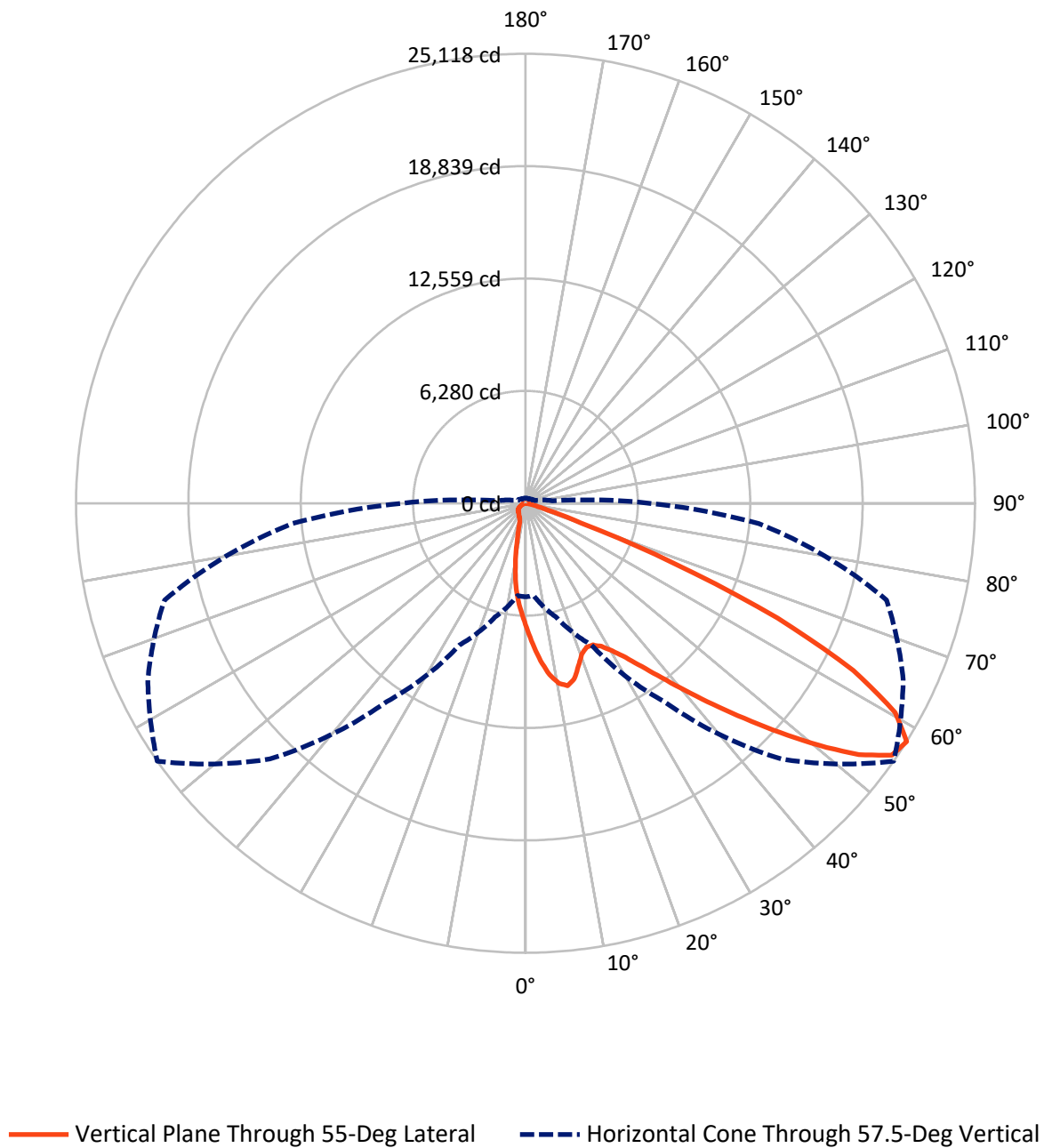


Based on 25 foot mounting height. Maximum calculated value = 15.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2247.4	0.0	2247.4
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	26530.6	0.0	26530.6
	% Fixture	92.2	0.0	92.2
Total	Lumens	28778.0	0.0	28778.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.2	2.2
10°-20°	1558.6	5.4
20°-30°	2493.7	8.7
30°-40°	4220.8	14.7
40°-50°	6929.6	24.1
50°-60°	7616.1	26.5
60°-70°	4368.6	15.2
70°-80°	892.6	3.1
80°-90°	52.7	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°	28778.0	100.0
0°-180°	28778.0	100.0

Coefficient of Utilization



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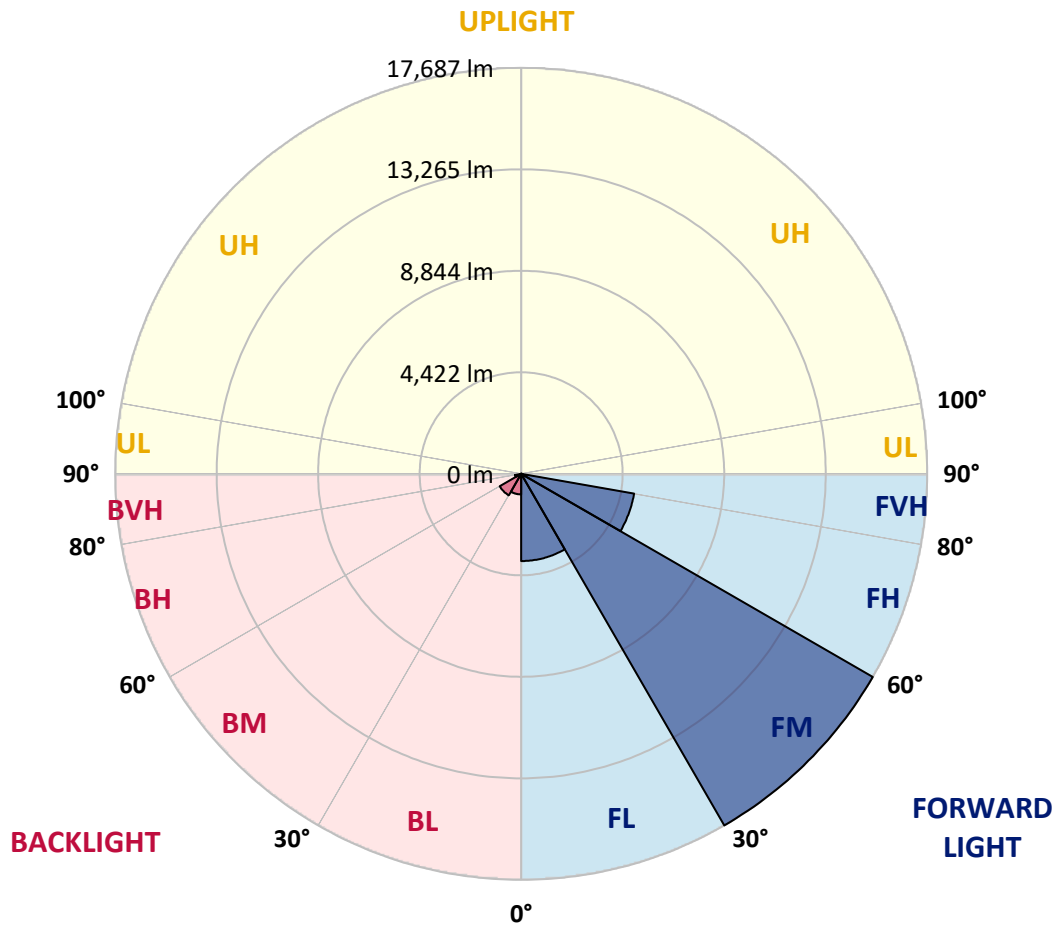
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3800.3	13.2			
FM	(30°-60°)	17687.2	61.5			
FH	(60°-80°)	4994.0	17.4			G2/5000
FVH	(80°-90°)	49.1	0.2			G1/100
BL	(0°-30°)	897.2	3.1	B2/1000		
BM	(30°-60°)	1079.4	3.8	B2/2500		
BH	(60°-80°)	267.3	0.9	B1/500		G1/500
BVH	(80°-90°)	3.5	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6934.8	6934.8	6934.8	6934.8	6934.8	6934.8	6934.8	6934.8	6934.8	6934.8	6934.8
2.5°	8604.6	8496.4	8480.4	8459.1	8253.3	8098.9	7875.3	7630.4	7355.3	7075.0	6950.8
5°	9940.8	9855.6	9839.7	9740.3	9506.1	9243.4	8845.9	8343.8	7830.9	7227.6	6968.5
7.5°	10199.9	10183.9	10256.7	10253.1	10221.2	10013.6	9678.2	9080.2	8310.0	7415.7	7014.6
10°	9044.7	9085.5	9302.0	9491.9	10004.7	10302.8	10230.1	9736.7	8803.3	7630.4	7066.1
12.5°	7992.4	7944.5	8098.9	8313.6	8909.8	9797.1	10459.0	10285.1	9367.6	7873.5	7142.4
15°	7332.3	7312.8	7399.7	7499.1	7953.4	8847.7	10192.8	10730.5	9910.6	8161.0	7257.7
17.5°	7121.1	7105.1	7131.8	7156.6	7451.2	8143.2	9559.3	11003.7	10430.6	8489.3	7385.5
20°	7293.2	7271.9	7268.4	7248.9	7371.3	7843.3	8986.1	11023.3	10897.3	8787.4	7495.5
22.5°	7795.4	7770.6	7683.6	7605.6	7616.2	7884.2	8730.6	10828.1	11248.6	9066.0	7564.7
25°	8705.8	8664.9	8483.9	8221.3	8054.5	8168.1	8769.6	10570.8	11584.0	9284.2	7531.0
27.5°	9845.0	9791.8	9559.3	9168.9	8787.4	8649.0	9051.8	10393.3	11862.6	9451.0	7458.3
30°	10961.2	10891.9	10663.0	10359.6	9802.4	9365.9	9561.1	10471.4	12194.4	9624.9	7362.4
32.5°	12166.0	12100.4	11796.9	11420.8	10959.4	10372.0	10258.4	10852.9	12600.8	9868.1	7295.0
35°	13690.4	13587.4	13156.2	12643.4	12153.6	11559.2	11202.5	11511.3	13142.0	10238.9	7332.3
37.5°	15425.8	15287.4	14822.5	14114.5	13475.6	12810.2	12352.4	12416.3	13935.2	10735.8	7447.6
40°	17061.9	16935.9	16506.5	15839.3	15037.2	14229.8	13741.8	13599.9	15030.1	11340.9	7649.9
42.5°	18043.2	17929.7	17748.7	17466.5	16790.4	15967.0	15351.3	15044.3	16325.5	12064.9	7896.6
45°	18098.2	17998.9	18242.0	18570.3	18437.2	17888.8	17138.2	16575.7	17626.2	12744.5	8152.1
47.5°	17218.1	17150.6	17888.8	19035.2	19606.6	19837.3	19145.2	17979.3	18699.8	13232.5	8256.8
50°	14818.9	14794.1	16313.1	18417.6	20052.0	21544.3	21262.2	19285.4	19532.0	13484.5	8157.4
52.5°	12849.2	12758.7	13644.2	16440.8	19404.3	22442.2	23331.3	20566.6	20114.1	13532.4	7925.0
55°	9745.6	9665.8	10776.6	13133.2	17315.7	22122.8	24844.9	21888.6	20531.1	13410.0	7508.0
57.5°	5227.7	5178.0	6581.7	8741.2	13536.0	20206.4	25118.2	23286.9	20882.4	13085.2	6924.1
60°	2035.4	2026.5	2551.7	4241.1	8226.6	16439.1	23739.4	24126.3	21102.5	12686.0	6436.2
62.5°	1231.5	1258.1	1343.3	1904.1	3634.2	10212.3	20561.3	23171.6	21249.8	12320.4	6033.3
65°	1018.6	1020.3	1031.0	1307.8	1740.8	4273.0	15479.1	20030.7	20886.0	11669.2	5461.9
67.5°	873.1	889.0	929.8	1038.1	1228.0	1873.9	8911.6	15516.3	18673.2	10153.8	4571.1
70°	688.5	709.8	761.3	853.5	947.6	1173.0	3293.5	10324.1	14265.3	7653.5	3456.7
72.5°	580.3	578.5	605.1	693.8	752.4	825.1	1267.0	5784.9	8290.5	3653.7	1710.6
75°	449.0	466.7	500.4	580.3	615.8	598.0	686.7	2113.4	2970.5	1107.3	582.0
77.5°	351.4	365.5	395.7	473.8	509.3	424.1	395.7	755.9	954.7	397.5	262.6
80°	157.9	170.4	269.7	349.6	415.2	292.8	214.7	386.8	424.1	181.0	133.1
82.5°	28.4	47.9	157.9	184.5	212.9	189.9	111.8	200.5	207.6	72.8	46.1
85°	1.8	3.5	55.0	67.4	85.2	62.1	33.7	79.9	69.2	24.8	17.7
87.5°	0.0	0.0	0.0	1.8	1.8	8.9	10.6	14.2	10.6	8.9	7.1
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6934.8	6934.8	6934.8	6934.8	6934.8	6934.8	6934.8	6934.8	6934.8	6934.8
2.5°	6823.0	6571.0	6326.1	6125.6	6008.5	5809.7	5678.4	5657.1	5602.1	5650.0
5°	6691.7	6241.0	5784.9	5376.8	5041.4	4608.4	4285.4	4148.8	4029.9	4070.7
7.5°	6629.6	5918.0	5208.2	4510.8	3793.9	3101.8	2587.2	2372.5	2209.3	2232.3
10°	6546.2	5582.6	4470.0	3405.3	2445.3	1762.1	1407.2	1275.9	1203.1	1204.9
12.5°	6482.3	5181.6	3612.9	2308.6	1488.8	1125.0	1015.0	983.1	961.8	963.6
15°	6450.3	4709.6	2766.5	1538.5	1064.7	952.9	926.3	912.1	897.9	896.1
17.5°	6397.1	4184.3	2024.7	1123.3	931.6	892.6	869.5	853.5	835.8	832.2
20°	6317.3	3588.1	1479.9	949.4	873.1	842.9	811.0	789.7	768.4	764.8
22.5°	6170.0	2958.1	1137.5	878.4	830.5	796.8	757.7	732.9	711.6	708.0
25°	5896.7	2367.2	958.2	834.0	793.2	752.4	709.8	676.1	656.6	653.0
27.5°	5550.7	1859.7	869.5	793.2	745.3	708.0	660.1	628.2	610.4	606.9
30°	5142.5	1432.0	818.0	747.1	688.5	656.6	614.0	587.4	576.7	576.7
32.5°	4702.5	1144.6	796.8	700.9	638.8	603.3	569.6	559.0	555.4	553.6
35°	4289.0	993.7	786.1	663.7	594.5	560.7	546.5	548.3	555.4	555.4
37.5°	3921.7	945.8	780.8	637.0	555.4	525.3	534.1	550.1	543.0	543.0
40°	3589.8	951.1	777.2	617.5	523.5	505.7	523.5	511.1	493.3	491.5
42.5°	3336.1	995.5	770.1	601.6	504.0	491.5	484.4	464.9	463.1	466.7
45°	3151.5	1034.5	768.4	594.5	482.7	459.6	450.7	431.2	466.7	475.6
47.5°	2933.3	1034.5	768.4	569.6	447.2	438.3	424.1	402.8	438.3	447.2
50°	2651.1	968.9	738.2	541.2	418.8	413.5	388.6	362.0	354.9	360.2
52.5°	2294.4	850.0	661.9	502.2	390.4	379.7	349.6	330.1	324.7	324.7
55°	1888.1	711.6	559.0	445.4	360.2	340.7	319.4	310.5	305.2	301.7
57.5°	1535.0	583.8	449.0	395.7	331.8	307.0	299.9	289.2	280.4	275.0
60°	1259.9	459.6	370.9	351.4	303.4	280.4	278.6	264.4	241.3	237.8
62.5°	972.4	337.2	312.3	305.2	275.0	255.5	252.0	223.6	188.1	181.0
65°	686.7	262.6	252.0	268.0	244.9	227.1	218.3	175.7	138.4	133.1
67.5°	482.7	220.0	198.7	234.2	212.9	189.9	184.5	149.1	115.3	111.8
70°	344.3	179.2	163.3	200.5	170.4	166.8	156.2	124.2	94.0	90.5
72.5°	243.1	136.6	126.0	173.9	117.1	143.7	127.8	95.8	71.0	67.4
75°	179.2	97.6	88.7	101.1	85.2	108.2	90.5	63.9	44.4	42.6
77.5°	131.3	62.1	53.2	49.7	49.7	67.4	49.7	26.6	19.5	17.7
80°	92.3	28.4	24.8	21.3	19.5	16.0	7.1	3.5	1.8	1.8
82.5°	55.0	12.4	12.4	8.9	5.3	0.0	0.0	0.0	0.0	0.0
85°	12.4	5.3	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.8	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)