

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: P946273

Luminaire Tested: **GALN-SB2A-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB2A-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5664 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 57.3
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

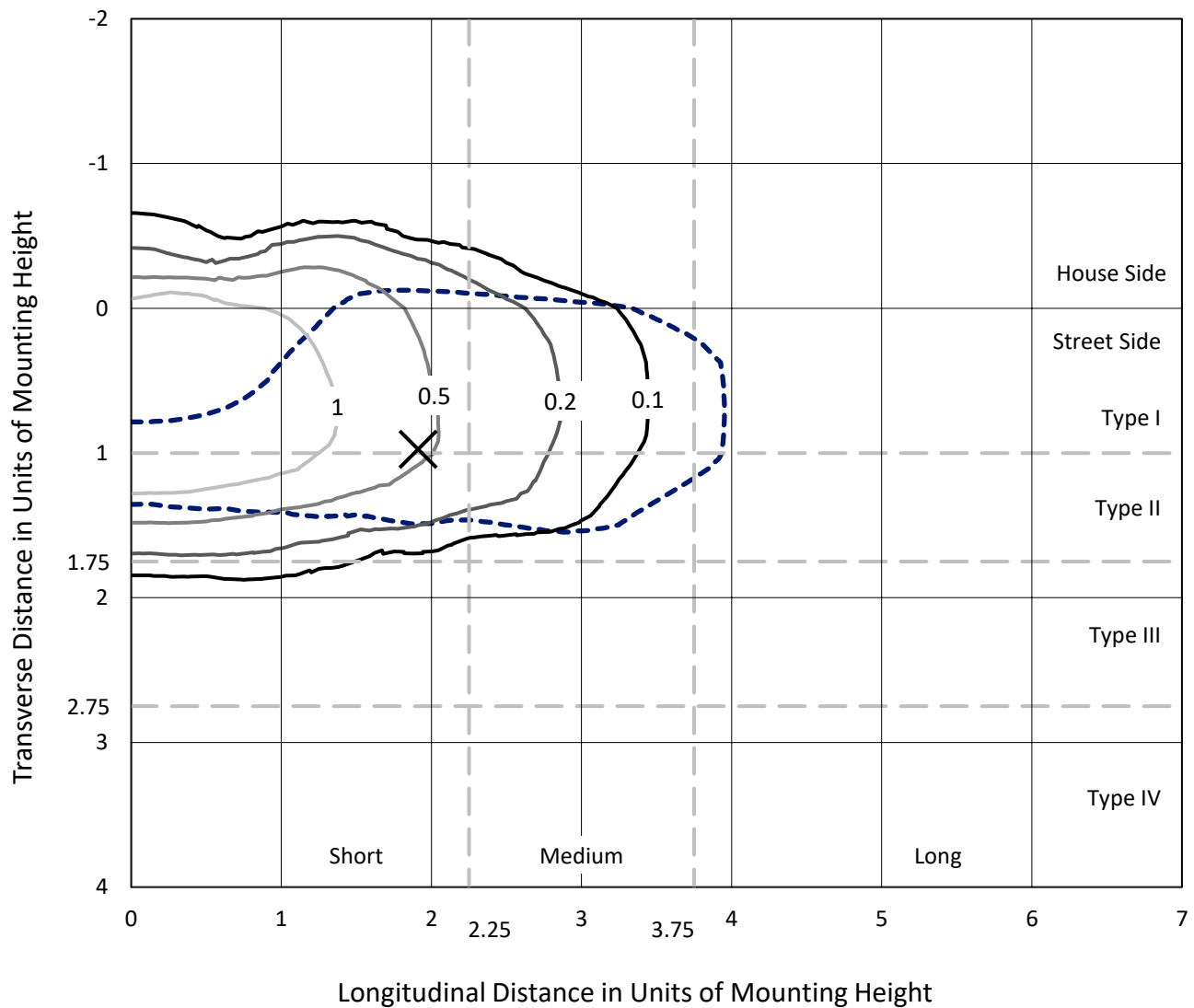


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Iso-Footcandle Lines of Horizontal Illumination

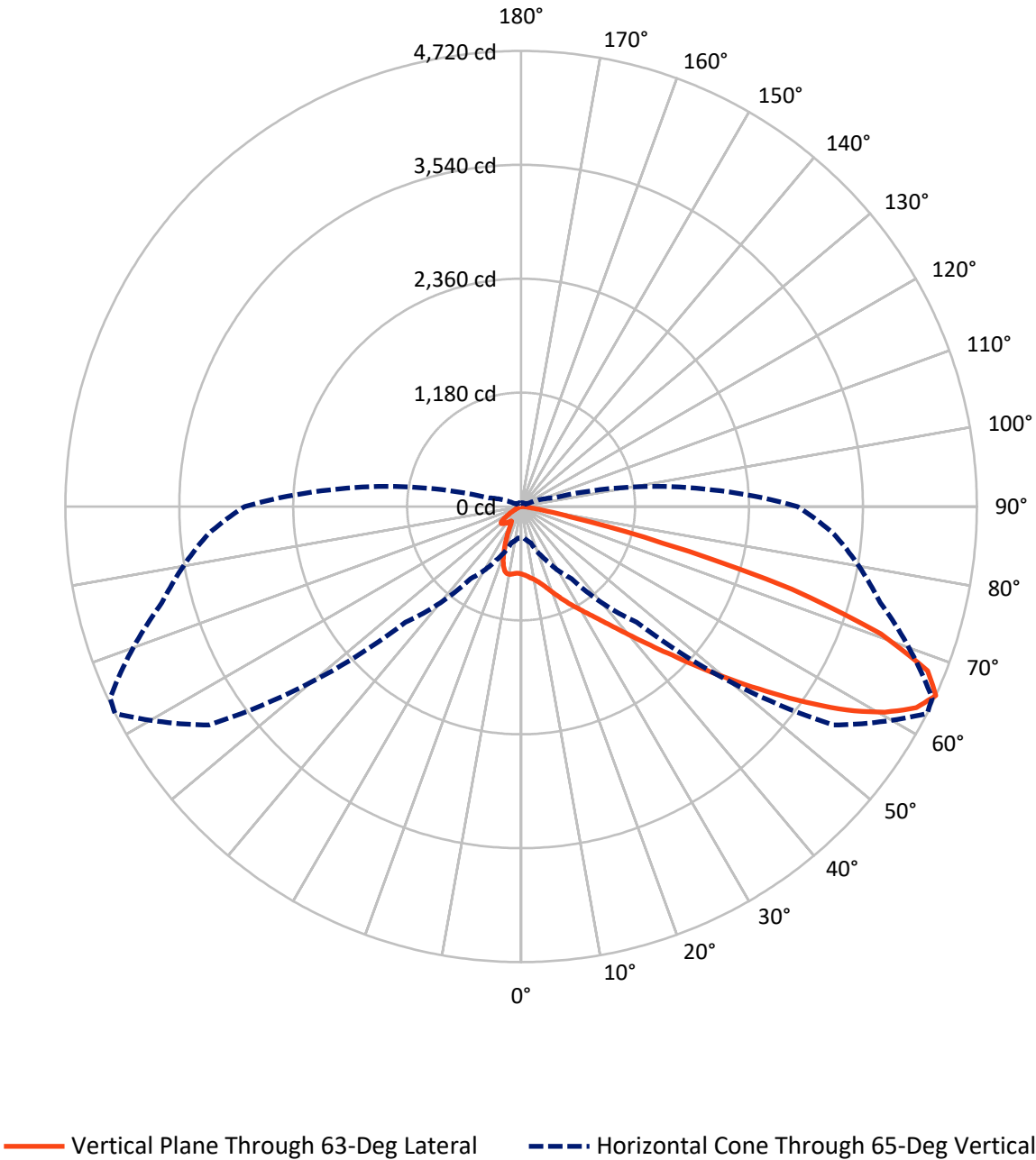
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	832.6	0.0	832.6
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	4831.4	0.0	4831.4
	% Fixture	85.3	0.0	85.3
Total	Lumens	5664.0	0.0	5664.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	1.2
10°-20°	182.7	3.2
20°-30°	318.2	5.6
30°-40°	573.5	10.1
40°-50°	1137.5	20.1
50°-60°	1549.5	27.4
60°-70°	1236.8	21.8
70°-80°	559.7	9.9
80°-90°	40.2	0.7
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°	5664.0	100.0
0°-180°	5664.0	100.0

Coefficient of Utilization



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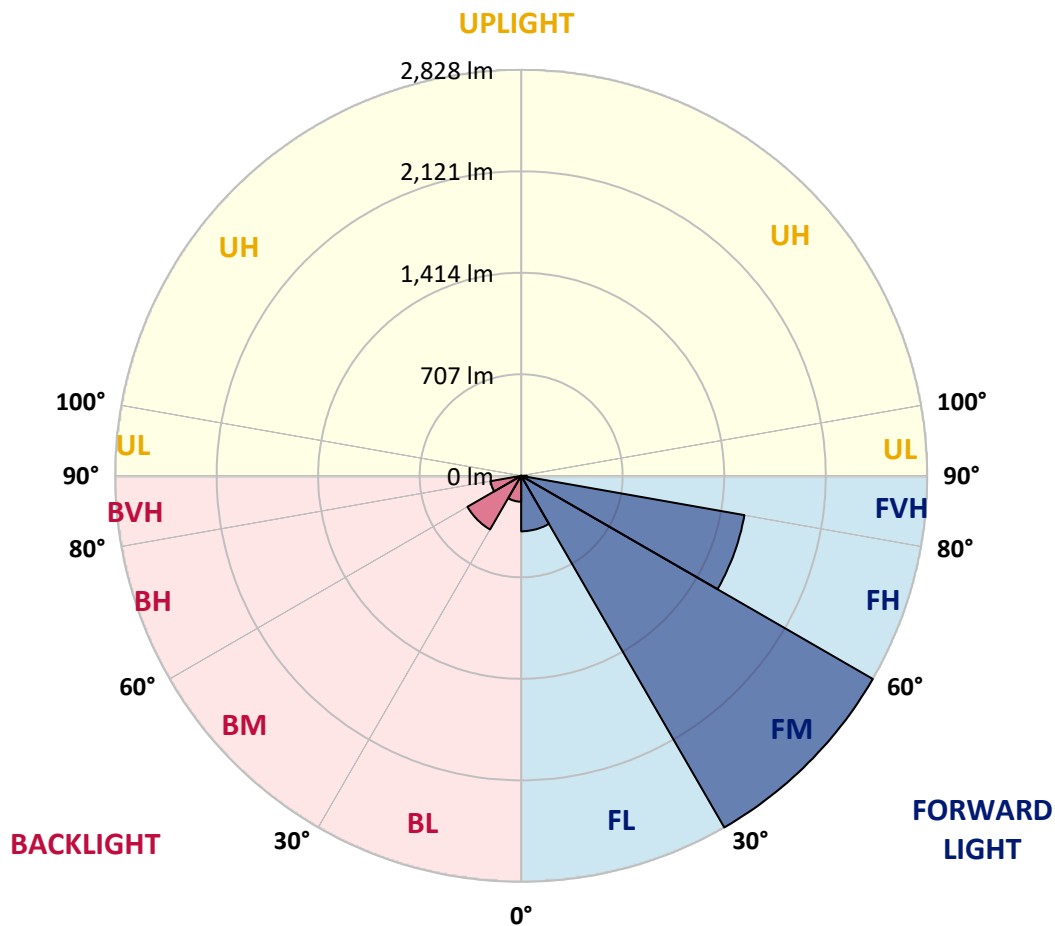
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	386.6	6.8			
FM	(30°-60°)	2828.5	49.9			
FH	(60°-80°)	1579.1	27.9			G1/1800
FVH	(80°-90°)	37.2	0.7			G1/100
BL	(0°-30°)	180.2	3.2	B1/500		
BM	(30°-60°)	432.0	7.6	B1/1000		
BH	(60°-80°)	217.3	3.8	B1/500		G1/500
BVH	(80°-90°)	3.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0
2.5°	715.4	713.5	716.2	715.0	714.2	712.7	711.9	711.1	709.6	708.4	703.7
5°	717.4	716.2	718.9	721.3	723.6	725.9	727.1	728.7	727.1	724.0	719.3
7.5°	701.0	700.2	706.1	713.1	723.6	732.6	742.3	747.8	748.1	747.0	741.9
10°	699.8	697.9	703.7	712.3	725.9	741.9	759.1	770.7	772.3	777.4	771.9
12.5°	718.1	716.2	724.4	733.7	747.8	764.5	785.5	801.9	804.3	811.3	807.4
15°	748.9	746.2	755.5	767.6	785.5	804.6	826.9	841.7	843.6	852.2	845.2
17.5°	784.8	782.0	793.0	805.8	825.3	851.4	877.1	893.5	895.8	901.3	888.4
20°	830.7	827.2	835.8	847.5	868.2	899.3	930.1	953.5	953.1	953.1	932.1
22.5°	884.1	878.7	886.1	895.4	914.9	952.7	993.6	1021.3	1021.3	1010.4	975.7
25°	941.4	936.0	944.1	952.7	969.9	1012.7	1060.6	1094.9	1096.5	1077.8	1022.5
27.5°	1013.1	1006.1	1012.3	1022.5	1032.6	1076.2	1133.1	1172.9	1173.6	1144.8	1066.9
30°	1151.0	1131.2	1111.7	1100.8	1105.5	1148.7	1209.5	1253.5	1257.4	1217.7	1115.2
32.5°	1403.5	1399.6	1331.1	1241.4	1194.7	1226.6	1294.8	1347.8	1350.2	1299.1	1177.9
35°	1795.9	1791.3	1681.0	1510.3	1358.0	1331.1	1398.5	1461.2	1459.7	1402.0	1259.4
37.5°	2264.3	2260.0	2114.7	1886.3	1639.7	1488.9	1532.1	1598.0	1607.7	1532.1	1364.6
40°	2664.5	2648.5	2556.5	2336.4	2013.7	1750.7	1722.3	1765.9	1776.1	1686.4	1498.2
42.5°	2967.6	2954.0	2907.2	2769.7	2466.5	2138.0	1946.3	1963.1	1974.4	1866.8	1651.8
45°	3124.7	3121.5	3140.2	3127.4	2927.9	2613.4	2266.6	2196.9	2201.2	2066.7	1825.9
47.5°	3146.9	3145.3	3230.6	3351.4	3324.6	3149.6	2677.7	2488.3	2473.2	2292.4	2015.3
50°	3015.9	3012.8	3176.5	3402.9	3589.5	3600.0	3144.5	2816.8	2783.3	2525.8	2212.9
52.5°	2597.8	2597.1	2865.9	3242.7	3682.6	3994.4	3605.9	3177.7	3121.5	2772.8	2421.7
55°	1998.9	2013.4	2321.6	2767.0	3512.8	4184.1	4020.1	3578.2	3492.1	3021.4	2614.2
57.5°	1416.0	1437.1	1741.8	2138.4	2985.9	4071.9	4300.3	3979.6	3886.8	3269.2	2809.4
60°	760.6	779.3	1084.4	1557.8	2221.4	3653.4	4447.9	4327.9	4240.2	3504.6	2985.6
62.5°	453.2	459.4	585.7	1005.7	1502.5	2791.1	4385.2	4593.3	4521.2	3702.1	3138.7
65°	325.4	326.5	390.0	614.1	912.2	1695.8	3945.3	4720.3	4698.1	3851.0	3252.1
67.5°	273.9	273.1	299.6	408.0	621.5	849.5	3023.7	4540.7	4635.0	3945.3	3316.4
70°	235.0	236.1	267.3	298.9	467.2	480.8	1503.3	3953.5	4154.5	3970.2	3312.5
72.5°	175.0	178.9	207.7	272.4	352.6	330.8	519.0	2931.4	3294.9	3740.7	3140.6
75°	123.5	125.5	146.1	229.1	263.0	240.8	265.0	1515.4	1981.4	2867.9	2570.6
77.5°	95.1	98.6	110.7	160.1	259.1	169.1	162.1	524.5	805.8	1732.4	1762.4
80°	51.4	57.7	79.9	115.7	182.0	119.6	80.3	208.9	273.1	810.1	679.6
82.5°	26.5	29.6	55.7	83.4	103.6	104.4	39.7	86.9	112.6	250.2	93.1
85°	10.5	12.9	37.4	46.0	53.4	51.4	17.9	35.1	40.5	69.4	28.4
87.5°	2.3	3.9	13.6	10.5	10.1	10.9	4.3	8.2	7.8	8.2	5.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0	699.0
2.5°	703.3	701.8	697.5	692.8	687.4	684.2	682.3	681.9	679.2	677.2	679.2
5°	715.0	713.5	705.3	695.5	685.0	676.8	669.0	662.0	651.9	649.9	649.2
7.5°	738.4	734.1	720.9	707.6	687.7	664.0	635.1	602.0	572.4	563.4	559.2
10°	767.2	761.4	744.6	721.3	677.2	612.5	542.8	478.1	426.7	412.3	406.8
12.5°	800.0	794.9	772.7	729.4	633.2	515.9	409.1	328.9	279.0	266.5	263.0
15°	838.9	831.5	800.7	717.0	554.5	392.0	280.9	233.4	215.5	213.1	210.8
17.5°	880.2	868.2	825.7	672.2	448.5	278.6	217.0	203.4	195.6	193.3	192.1
20°	918.0	902.4	840.5	604.4	335.1	217.0	194.4	185.5	178.5	175.7	174.2
22.5°	955.8	933.6	840.5	512.0	251.3	192.5	178.5	170.3	162.1	158.6	156.6
25°	995.2	965.6	825.7	409.1	202.2	176.5	163.3	154.3	147.3	143.0	141.4
27.5°	1033.4	992.5	791.8	311.7	180.0	162.5	149.2	140.7	134.0	130.9	130.9
30°	1069.6	1019.0	744.2	236.5	165.6	148.8	136.4	129.0	122.4	119.2	119.6
32.5°	1118.7	1052.5	693.6	194.0	153.1	136.0	124.7	117.7	111.8	109.5	109.5
35°	1186.9	1101.9	649.9	190.5	142.6	125.5	114.2	107.5	101.7	99.8	99.8
37.5°	1283.5	1181.8	627.0	213.9	134.0	116.1	105.6	98.6	93.1	91.6	91.2
40°	1402.8	1290.2	639.4	237.3	128.2	107.9	97.8	90.8	86.1	84.2	83.8
42.5°	1544.2	1423.8	708.4	255.2	124.3	100.9	90.4	82.6	79.5	78.7	78.7
45°	1706.7	1570.7	814.0	274.3	118.1	94.3	83.0	77.2	74.8	74.4	74.0
47.5°	1891.4	1732.0	936.3	298.1	111.8	88.1	77.2	73.3	71.3	70.5	70.5
50°	2074.5	1894.5	1062.2	311.3	106.8	82.2	72.5	69.4	67.8	67.4	67.4
52.5°	2266.2	2061.7	1163.9	298.9	102.5	77.5	68.6	66.2	64.7	64.3	64.3
55°	2449.0	2196.9	1181.4	253.7	93.9	72.9	64.3	63.1	61.2	61.2	60.8
57.5°	2606.4	2264.7	1057.5	186.3	85.3	65.9	60.0	58.8	57.3	56.9	56.5
60°	2751.0	2245.2	816.3	125.5	76.0	58.8	54.6	53.8	52.2	50.3	49.9
62.5°	2832.4	2159.5	558.4	81.8	66.6	51.4	48.3	47.9	44.4	40.5	39.7
65°	2863.2	1983.4	348.4	59.6	55.7	44.0	41.7	40.9	35.8	31.6	31.2
67.5°	2836.3	1693.4	175.7	47.1	44.0	36.6	34.3	34.3	30.8	26.9	26.5
70°	2728.8	1269.5	74.0	37.8	33.9	28.1	28.1	29.6	26.1	21.8	21.4
72.5°	2495.4	854.1	39.4	28.8	25.3	19.9	23.0	24.2	20.7	16.4	16.4
75°	1983.7	521.0	27.3	21.4	16.0	14.0	17.5	18.3	14.0	10.9	10.5
77.5°	1356.8	299.3	18.3	13.6	10.1	8.2	12.1	11.3	7.4	5.1	5.5
80°	595.8	124.7	10.5	6.2	3.9	3.1	4.3	3.1	2.3	1.6	1.6
82.5°	69.7	29.2	3.9	2.3	1.6	0.8	0.4	0.0	0.0	0.0	0.0
85°	14.4	3.5	1.9	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	0.8	0.4	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)