

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: P938884

Luminaire Tested: **GALN-SB1B-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1B-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3398 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 39.8
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

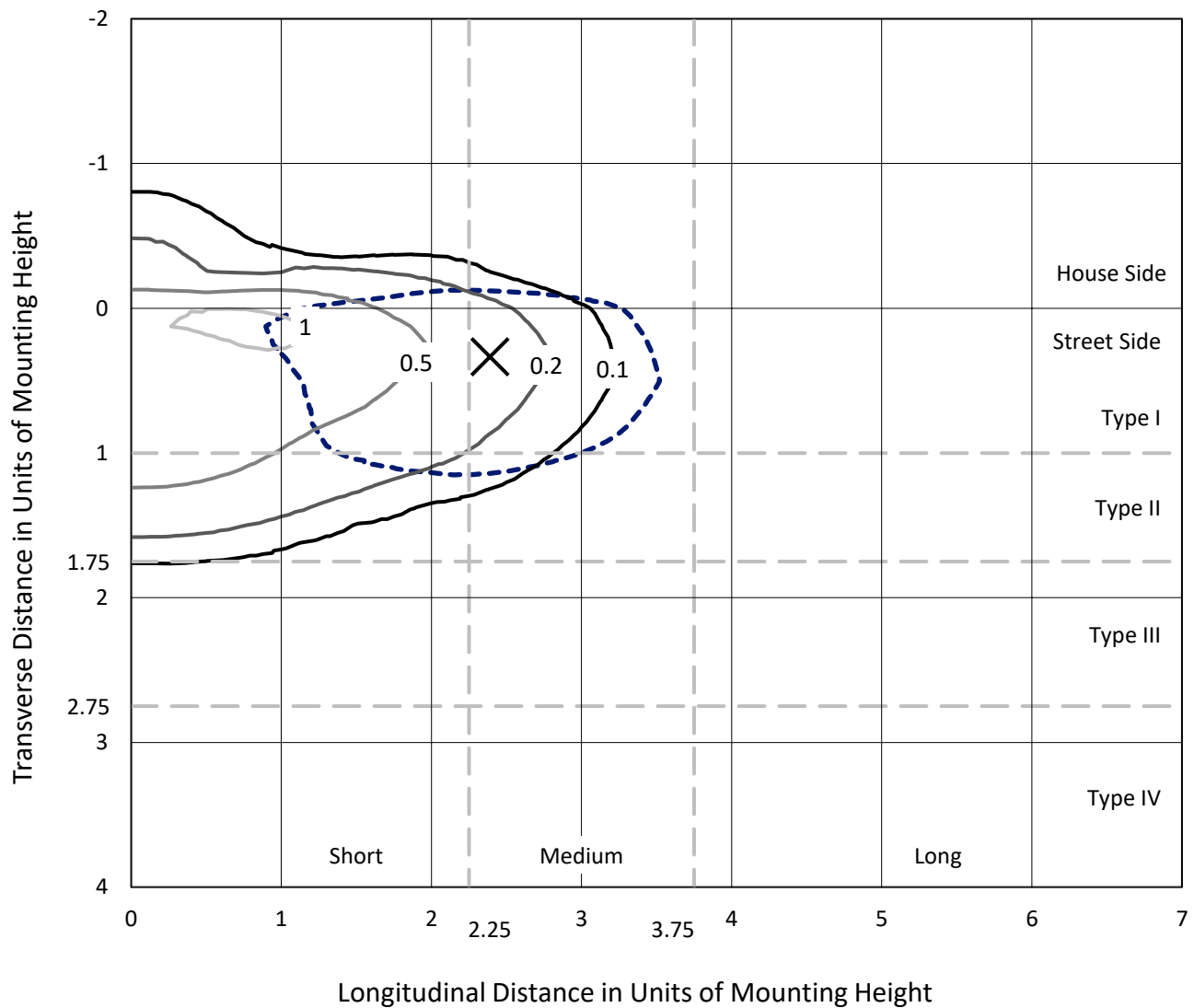


REPORT NUMBER: P938884

CATALOG NUMBER: GALN-SB1B-722-U-T2-HSS

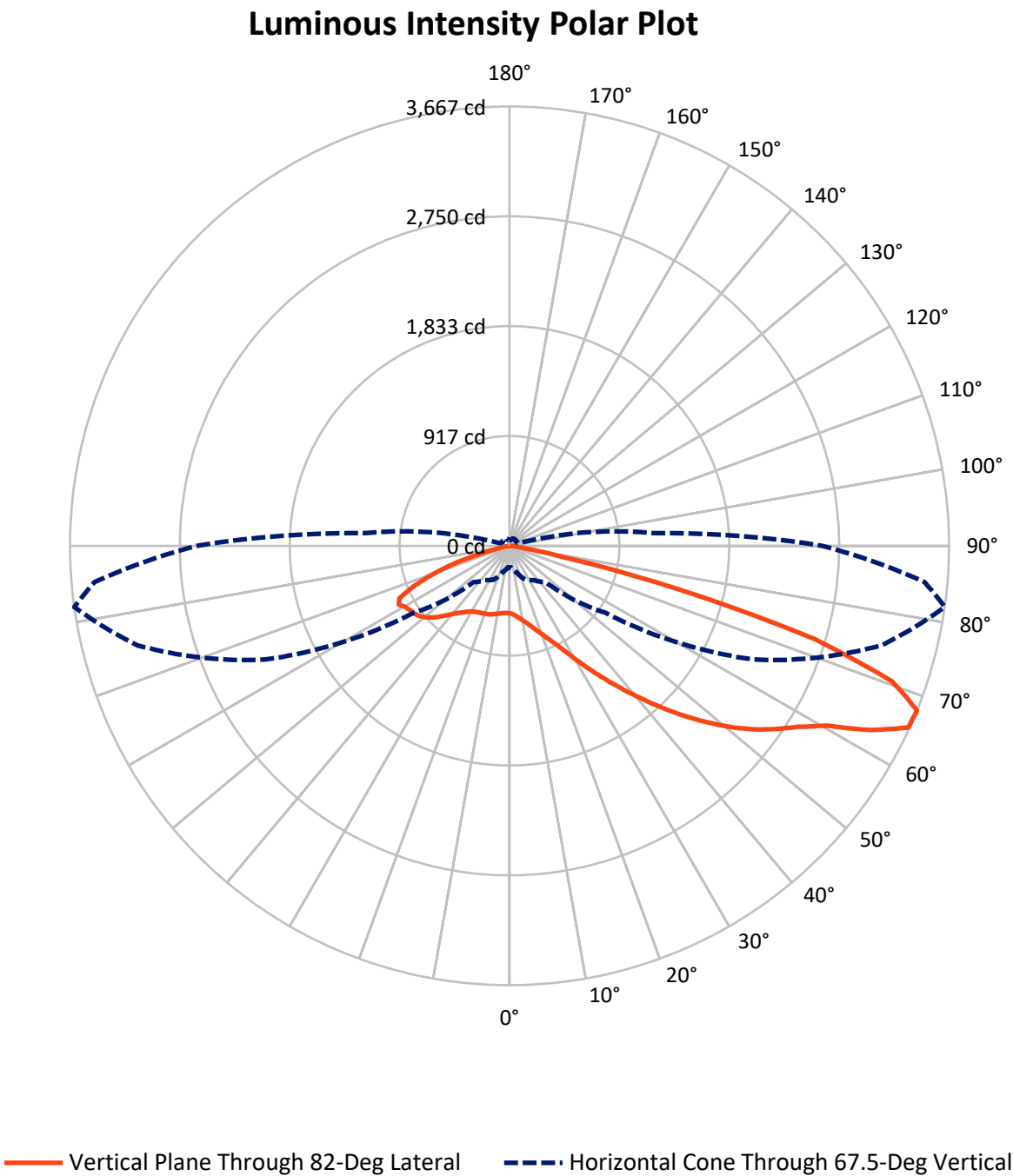
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P938884
CATALOG NUMBER: GALN-SB1B-722-U-T2-HSS



REPORT NUMBER: P938884

CATALOG NUMBER: GALN-SB1B-722-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	615.5	0.0	615.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2782.5	0.0	2782.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	3398.0	0.0	3398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	1.5
10°-20°	130.3	3.8
20°-30°	208.7	6.1
30°-40°	369.1	10.9
40°-50°	646.7	19.0
50°-60°	862.6	25.4
60°-70°	803.0	23.6
70°-80°	308.2	9.1
80°-90°	19.1	0.6
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°	3398.0	100.0
0°-180°	3398.0	100.0

Coefficient of Utilization



REPORT NUMBER: P938884

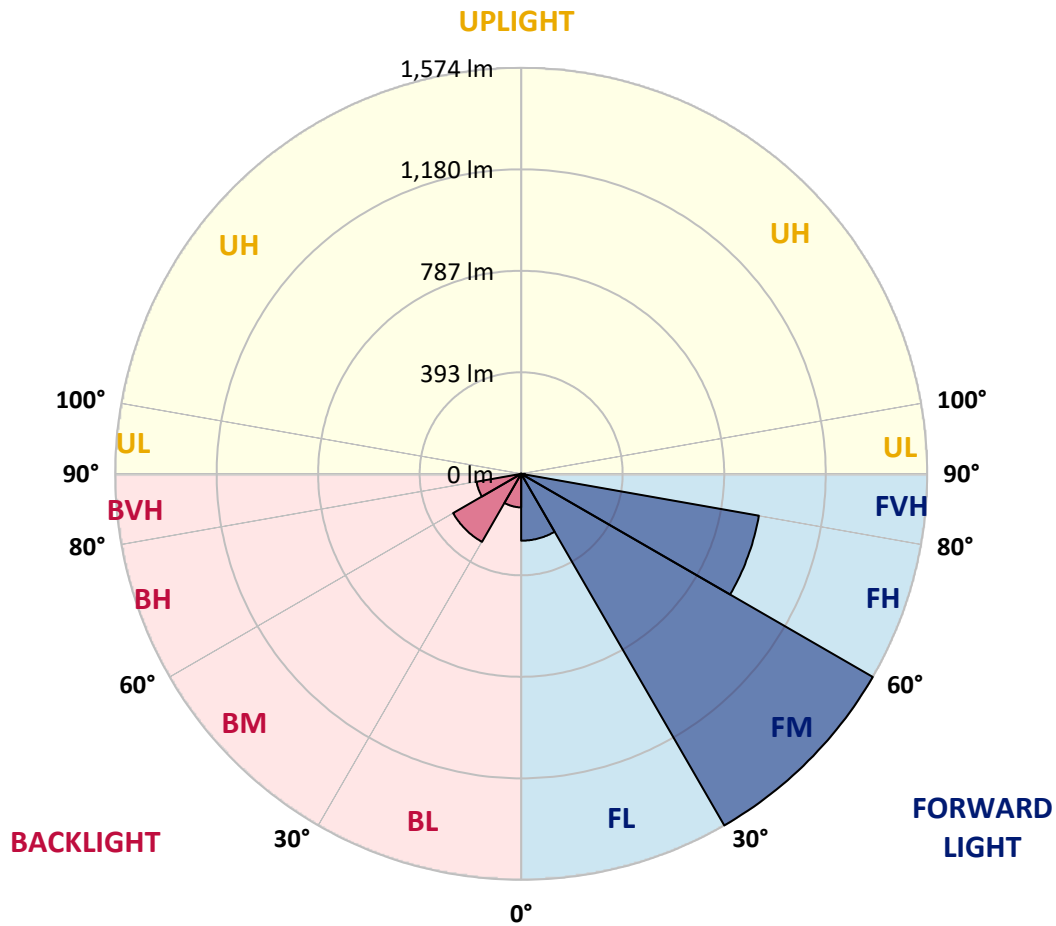
CATALOG NUMBER: GALN-SB1B-722-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.2	7.6			
FM	(30°-60°)	1573.8	46.3			
FH	(60°-80°)	935.5	27.5			G1/1800
FVH	(80°-90°)	13.9	0.4			G1/100
BL	(0°-30°)	130.0	3.8	B1/500		
BM	(30°-60°)	304.6	9.0	B1/1000		
BH	(60°-80°)	175.7	5.2	B1/500		G1/500
BVH	(80°-90°)	5.2	0.2			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 Medium



REPORT NUMBER: P938884

CATALOG NUMBER: GALN-SB1B-722-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	595.0	598.4	596.5	595.5	593.8	591.3	589.4	583.2	576.9	572.7	571.3
5°	607.0	610.4	610.2	611.1	612.4	613.1	612.6	605.7	596.7	589.6	585.4
7.5°	596.7	600.6	603.8	608.7	617.2	626.3	630.7	629.2	619.9	610.2	605.0
10°	567.6	571.7	579.3	590.8	608.9	628.5	644.9	652.5	646.6	635.8	628.7
12.5°	514.2	518.4	533.3	558.3	588.6	622.6	653.9	674.2	675.7	665.0	656.6
15°	454.3	458.5	474.4	505.7	551.9	606.5	658.8	697.2	710.2	700.9	690.9
17.5°	417.1	420.8	432.8	458.0	506.2	574.2	657.1	721.7	751.3	744.0	732.0
20°	405.9	409.1	414.7	432.3	472.4	540.7	645.9	744.7	795.6	791.4	778.0
22.5°	417.9	420.8	422.5	430.3	455.5	518.7	631.7	768.2	847.0	847.5	831.1
25°	445.5	448.4	446.5	451.4	462.4	511.8	626.3	795.8	911.6	916.9	898.3
27.5°	491.0	491.3	486.6	486.4	488.1	522.1	631.9	825.4	993.0	1003.1	980.1
30°	582.3	578.6	560.7	541.4	532.6	552.9	647.6	860.4	1089.2	1107.0	1078.2
32.5°	722.9	717.6	684.8	638.5	592.0	602.6	675.7	900.3	1193.9	1226.2	1190.9
35°	875.6	874.1	839.9	771.1	689.9	673.3	721.5	952.7	1308.1	1359.5	1317.7
37.5°	1017.5	1016.8	997.2	916.2	817.4	771.9	794.9	1021.2	1430.5	1504.8	1455.4
40°	1147.2	1149.4	1129.8	1057.4	957.8	898.3	894.7	1105.8	1566.5	1663.1	1604.4
42.5°	1259.2	1261.6	1241.8	1188.3	1096.5	1038.3	1017.2	1209.5	1699.3	1833.1	1763.7
45°	1335.3	1350.5	1347.5	1304.7	1238.9	1178.5	1164.5	1339.7	1850.8	2013.4	1932.0
47.5°	1356.8	1370.8	1392.8	1398.6	1358.5	1299.1	1315.7	1496.5	2003.9	2194.0	2101.3
50°	1303.7	1316.7	1362.4	1423.4	1451.2	1432.9	1462.7	1664.6	2160.7	2374.1	2267.4
52.5°	1199.0	1212.2	1270.0	1366.4	1480.1	1537.9	1610.3	1830.2	2312.7	2544.6	2424.7
55°	1047.6	1061.5	1135.7	1244.8	1425.1	1581.2	1733.3	1995.6	2451.9	2698.0	2566.6
57.5°	841.6	851.9	928.9	1081.6	1286.6	1538.1	1824.1	2176.1	2583.0	2848.7	2707.3
60°	548.5	557.6	647.1	817.4	1057.1	1394.2	1842.2	2377.5	2757.2	3044.6	2896.9
62.5°	364.8	370.9	424.0	549.0	744.5	1118.0	1736.3	2538.2	3012.6	3385.7	3222.0
65°	250.3	256.4	309.5	396.6	481.0	739.6	1431.7	2516.9	3244.0	3656.5	3463.0
67.5°	178.6	183.7	228.7	310.9	348.1	429.6	970.5	2244.9	3210.8	3666.8	3475.9
70°	128.0	130.9	168.1	242.2	276.7	258.1	539.7	1716.9	2811.2	3385.9	3211.2
72.5°	89.5	90.5	116.7	184.5	222.9	188.4	256.9	1144.7	2126.2	2657.6	2489.5
75°	60.7	61.9	78.5	135.3	178.8	143.9	136.0	613.8	1248.2	1471.1	1318.6
77.5°	37.2	37.7	50.6	92.5	133.8	109.6	87.6	260.1	482.9	474.1	404.2
80°	21.0	21.0	32.3	57.5	91.3	70.7	61.4	110.6	152.9	134.3	118.4
82.5°	11.7	12.0	23.5	35.7	60.4	41.8	33.8	51.1	66.1	58.5	50.9
85°	4.9	5.4	14.4	16.9	28.9	20.8	13.7	21.5	24.5	21.8	15.9
87.5°	0.5	0.7	4.4	3.2	3.4	4.2	2.0	4.2	3.4	3.4	2.4
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: P938884

CATALOG NUMBER: GALN-SB1B-722-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9	562.9
2.5°	566.6	562.9	553.6	542.9	528.7	521.8	512.5	506.2	500.8	501.3	496.4
5°	577.6	568.3	547.5	521.6	489.3	466.3	441.8	425.0	411.3	408.3	401.7
7.5°	592.8	578.1	541.6	494.9	440.4	399.0	362.1	338.3	321.5	316.1	310.7
10°	612.4	591.1	534.1	461.4	382.9	330.3	290.6	272.0	260.5	256.6	253.7
12.5°	635.1	606.0	524.0	420.5	323.7	273.0	247.8	238.5	234.9	233.6	232.9
15°	663.7	624.6	508.9	372.1	273.5	238.0	227.3	226.1	226.5	226.1	225.8
17.5°	697.7	644.9	484.2	322.2	239.8	220.2	216.3	217.2	218.5	218.2	217.7
20°	734.9	665.0	452.6	277.9	216.8	207.5	205.3	206.2	207.2	206.7	206.5
22.5°	777.2	686.5	417.6	243.4	201.3	195.7	193.3	193.5	193.5	192.5	192.0
25°	827.9	710.2	380.9	219.0	189.6	185.2	182.3	181.3	179.8	176.9	176.4
27.5°	888.3	735.4	345.7	201.8	180.3	176.1	172.7	170.3	166.6	161.7	161.2
30°	956.3	766.0	315.8	191.1	173.0	168.8	164.9	161.2	155.8	149.7	149.2
32.5°	1036.3	798.8	294.1	184.0	166.4	162.0	157.3	152.9	147.0	140.9	141.2
35°	1131.7	838.4	281.3	179.1	161.2	155.4	150.2	145.3	140.9	135.5	135.0
37.5°	1235.2	880.5	277.4	176.6	157.8	148.7	142.9	139.4	139.0	135.8	135.5
40°	1348.5	930.4	280.4	175.2	154.1	142.4	136.0	135.3	136.5	130.9	131.1
42.5°	1468.4	989.6	285.3	173.5	149.0	136.0	129.9	129.9	128.9	121.1	121.1
45°	1598.0	1057.9	290.2	169.3	142.9	129.7	125.0	123.3	119.1	111.6	111.3
47.5°	1728.7	1127.3	293.8	161.7	135.5	124.3	120.1	116.2	110.1	103.2	103.0
50°	1852.7	1189.7	289.9	150.5	127.2	119.1	114.7	109.4	102.8	98.1	97.4
52.5°	1963.5	1243.8	273.3	137.2	118.4	113.8	109.8	104.2	98.8	93.9	93.5
55°	2059.9	1287.6	243.9	124.8	110.6	109.1	105.2	98.1	90.8	86.6	86.1
57.5°	2152.4	1320.9	207.2	114.5	103.5	104.0	98.1	91.7	84.9	80.5	80.0
60°	2275.5	1365.4	170.0	105.0	95.9	97.4	91.0	86.4	77.8	72.2	71.4
62.5°	2472.2	1434.6	135.0	93.2	87.1	87.6	84.9	79.3	69.0	62.4	61.9
65°	2628.2	1409.2	106.4	80.5	77.1	77.8	77.8	71.7	60.7	53.1	52.4
67.5°	2610.6	1206.6	84.9	68.0	67.5	68.0	69.7	64.6	53.8	47.7	46.7
70°	2404.9	959.8	68.0	56.5	58.7	57.5	62.4	59.0	48.4	42.3	41.6
72.5°	1962.3	691.4	51.9	46.7	45.0	47.0	56.3	53.1	40.4	33.5	32.8
75°	1146.7	368.9	38.7	36.9	32.5	39.1	49.9	45.3	30.8	24.7	24.0
77.5°	373.3	128.7	28.4	27.2	24.2	31.6	42.6	38.2	25.2	19.6	18.8
80°	100.1	38.9	19.3	17.9	15.7	23.5	33.8	30.3	18.1	12.7	12.5
82.5°	40.1	16.4	11.3	10.0	8.6	16.1	26.7	24.5	13.5	8.1	8.1
85°	13.0	5.4	4.2	3.2	3.9	10.0	15.9	16.6	9.5	4.2	3.2
87.5°	1.7	0.7	0.7	1.0	0.7	1.7	4.9	4.6	2.7	0.5	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)