

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: P945193

Luminaire Tested: **GALN-SB1B-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
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-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4625 lumens
Efficiency: N/A
Efficacy: 116.2 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

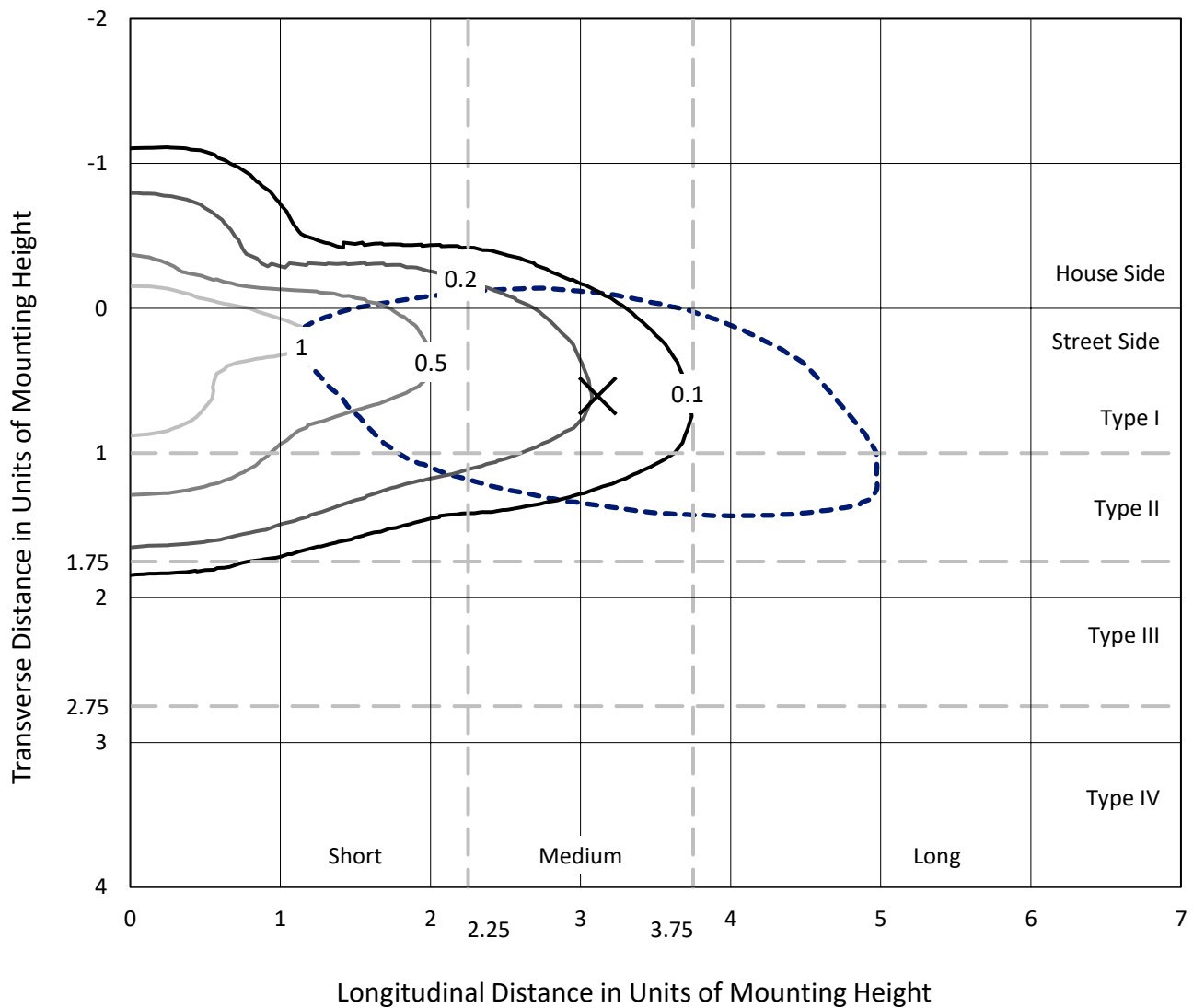
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

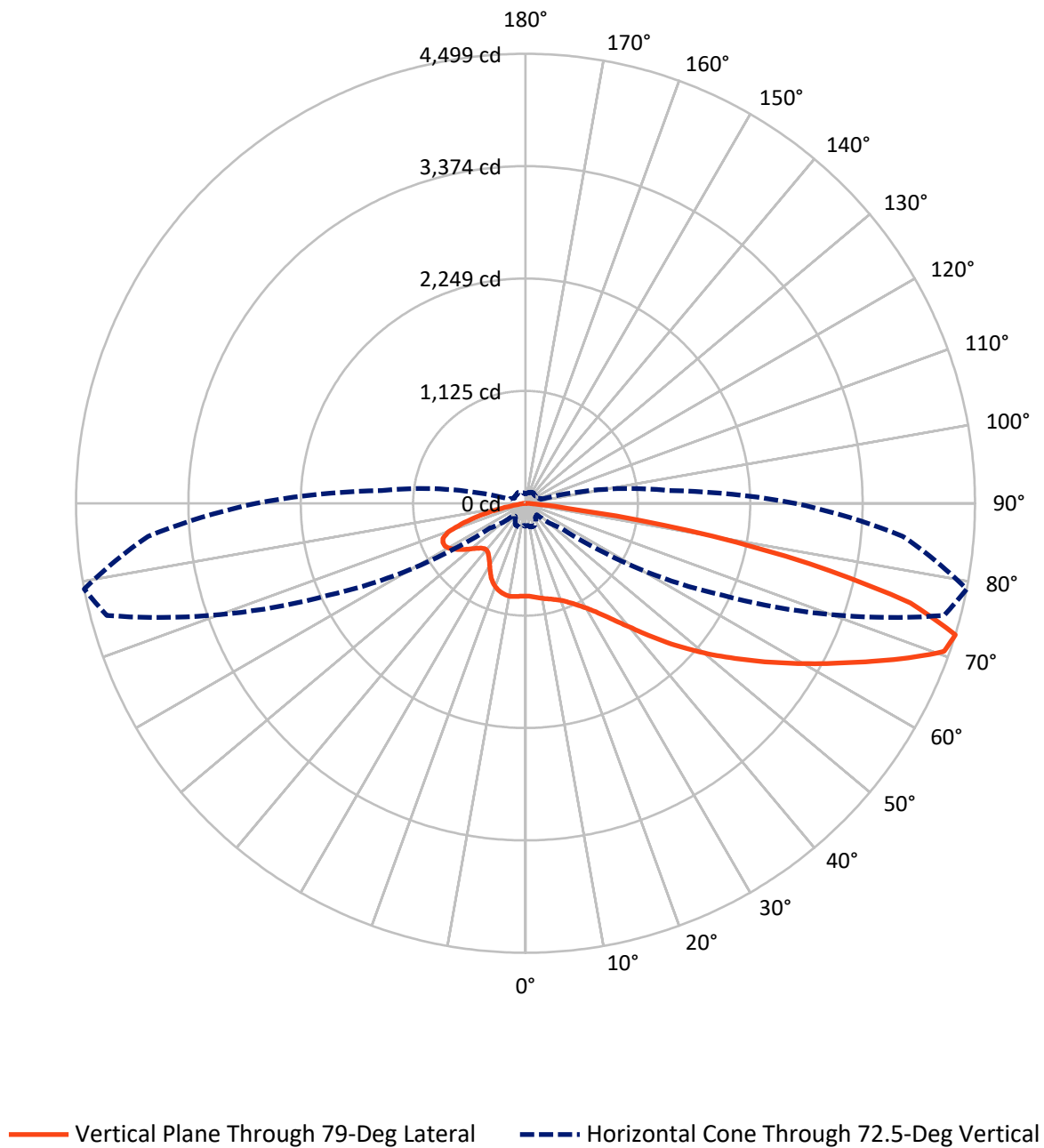


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1017.8	0.0	1017.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3607.2	0.0	3607.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	4625.0	0.0	4625.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	1.8
10°-20°	220.3	4.8
20°-30°	355.5	7.7
30°-40°	533.6	11.5
40°-50°	756.9	16.4
50°-60°	955.9	20.7
60°-70°	970.9	21.0
70°-80°	661.7	14.3
80°-90°	85.8	1.9
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°	4625.0	100.0
0°-180°	4625.0	100.0

Coefficient of Utilization



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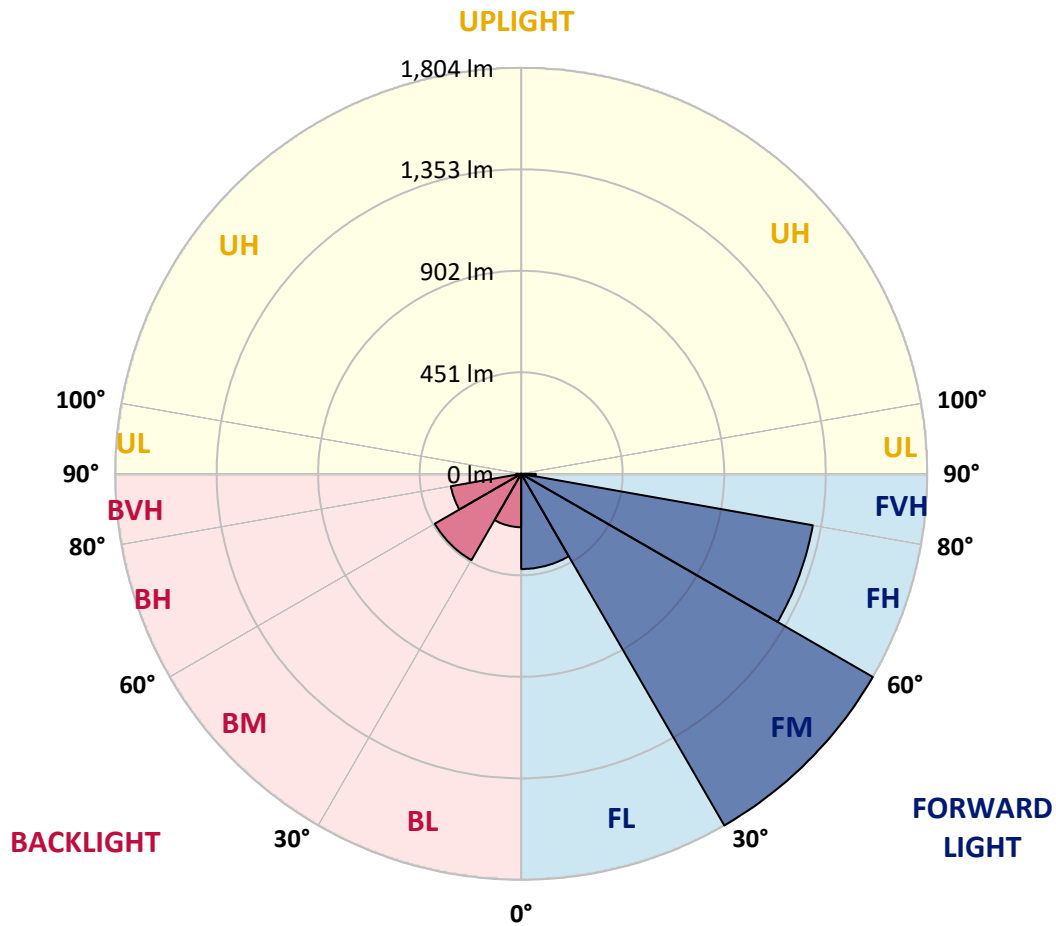
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	423.1	9.1			
FM	(30°-60°)	1803.8	39.0			
FH	(60°-80°)	1315.7	28.4			G1/1800
FVH	(80°-90°)	64.7	1.4			G1/100
BL	(0°-30°)	237.1	5.1	B1/500		
BM	(30°-60°)	442.6	9.6	B1/1000		
BH	(60°-80°)	316.9	6.9	B1/500		G1/500
BVH	(80°-90°)	21.2	0.5			G1/100
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	928.4	928.4	928.4	928.4	928.4	928.4	928.4	928.4	928.4	928.4	928.4
2.5°	928.9	924.5	927.2	926.2	927.4	928.9	929.4	930.1	932.6	932.3	932.1
5°	927.0	922.6	926.2	925.0	928.2	931.6	934.5	937.2	941.1	942.9	940.4
7.5°	922.8	919.9	923.5	927.2	933.1	938.2	942.4	948.5	954.1	955.1	956.8
10°	898.6	896.4	904.9	914.5	930.6	944.6	953.6	960.7	966.8	967.8	970.3
12.5°	873.4	870.7	880.2	893.2	919.4	944.6	963.7	973.0	978.3	981.5	985.2
15°	869.2	867.0	872.4	883.7	905.4	938.0	970.5	987.6	992.3	995.9	997.4
17.5°	889.3	885.1	887.3	891.2	904.0	931.8	975.9	1004.3	1011.4	1015.3	1015.3
20°	935.8	929.9	926.5	918.6	916.4	932.8	975.4	1024.3	1033.6	1038.5	1039.7
22.5°	997.7	993.7	986.4	966.6	945.1	944.8	984.7	1050.0	1067.4	1072.0	1069.1
25°	1072.5	1066.6	1057.4	1030.4	989.1	968.5	1000.4	1082.8	1111.9	1113.1	1104.6
27.5°	1158.6	1149.8	1137.1	1101.6	1045.9	1005.7	1024.3	1120.5	1163.0	1162.5	1144.9
30°	1249.4	1240.6	1227.1	1184.1	1113.9	1055.9	1057.6	1161.1	1223.7	1221.0	1190.9
32.5°	1315.7	1309.1	1306.4	1273.1	1192.2	1115.1	1095.8	1206.1	1298.6	1296.1	1254.0
35°	1366.6	1358.0	1361.2	1344.3	1277.5	1181.4	1142.5	1259.7	1389.6	1389.3	1337.0
37.5°	1417.0	1409.4	1412.1	1400.8	1356.6	1265.5	1199.5	1325.2	1502.4	1507.7	1437.3
40°	1463.0	1454.9	1465.7	1455.1	1418.0	1355.1	1264.3	1399.4	1633.0	1643.3	1558.6
42.5°	1490.6	1484.3	1502.1	1502.4	1471.3	1430.7	1335.5	1481.1	1784.2	1807.2	1707.9
45°	1500.2	1498.0	1524.9	1530.5	1518.5	1474.5	1399.6	1570.1	1947.1	1988.2	1877.9
47.5°	1489.9	1485.7	1522.9	1543.7	1553.2	1495.0	1452.7	1666.5	2113.5	2173.7	2063.3
50°	1438.0	1429.9	1485.2	1529.0	1563.0	1508.5	1506.3	1777.8	2302.6	2368.4	2249.7
52.5°	1344.8	1338.7	1401.6	1477.7	1541.5	1515.1	1566.5	1899.4	2482.2	2567.3	2440.8
55°	1225.7	1217.6	1286.8	1386.2	1487.9	1512.9	1626.6	2035.4	2694.0	2780.4	2638.2
57.5°	1036.8	1020.7	1108.2	1225.7	1400.6	1510.2	1689.3	2170.7	2909.3	3012.8	2848.9
60°	761.3	737.4	844.8	984.0	1229.8	1484.0	1766.8	2322.4	3167.7	3260.9	3078.8
62.5°	443.3	429.4	499.6	629.5	927.0	1329.9	1810.4	2498.8	3421.6	3519.5	3304.9
65°	344.2	340.3	346.4	356.4	516.0	995.7	1676.1	2670.8	3744.5	3813.0	3540.5
67.5°	314.9	311.9	314.6	295.8	261.8	554.6	1326.0	2714.3	4090.5	4132.0	3746.7
70°	279.9	276.4	285.3	269.1	206.0	252.2	856.7	2556.3	4365.7	4443.7	3903.5
72.5°	228.0	224.1	244.6	237.3	173.5	162.0	430.3	2180.8	4336.8	4498.8	3791.3
75°	175.2	173.0	197.4	203.5	141.4	127.5	206.5	1621.0	3816.4	3979.6	3267.5
77.5°	136.0	134.3	146.8	169.0	114.0	98.8	127.0	1028.2	2876.0	2904.7	2251.7
80°	102.0	97.1	108.6	130.9	88.8	72.2	86.1	599.6	1818.0	1647.9	980.0
82.5°	63.9	61.4	70.9	87.3	62.6	49.7	56.0	331.2	728.6	429.1	189.1
85°	36.5	35.5	38.7	49.9	34.0	28.6	32.0	146.3	133.1	91.5	57.0
87.5°	14.7	14.2	17.6	22.3	12.5	10.5	11.3	35.2	29.4	27.2	18.8
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°	928.4	928.4	928.4	928.4	928.4	928.4	928.4	928.4	928.4	928.4	928.4
2.5°	931.1	931.1	927.7	922.3	916.2	912.3	905.9	904.2	897.6	895.6	898.8
5°	942.4	940.4	929.9	914.7	893.9	874.8	853.8	840.6	822.0	815.4	820.3
7.5°	956.6	951.2	933.1	899.8	856.3	813.4	768.9	735.2	702.9	691.4	692.8
10°	969.5	961.9	931.1	872.9	797.5	723.4	652.5	602.8	565.1	549.7	553.1
12.5°	982.5	968.5	918.1	828.1	714.1	613.6	538.0	499.3	476.1	457.5	463.6
15°	994.7	975.2	898.1	768.2	622.6	520.6	464.8	434.0	415.4	403.2	405.4
17.5°	1008.9	980.8	868.0	692.1	535.5	456.3	410.8	392.2	388.5	387.0	388.0
20°	1028.7	985.9	828.4	607.0	471.4	404.9	381.4	379.7	379.4	378.7	381.2
22.5°	1050.0	992.0	776.0	529.7	416.9	372.8	368.7	365.3	363.1	362.8	365.5
25°	1075.2	994.0	710.4	466.3	370.4	357.7	352.8	347.6	346.2	346.2	347.6
27.5°	1099.7	987.4	634.1	411.2	344.2	343.7	337.4	335.7	335.4	336.1	338.1
30°	1124.1	974.9	558.3	360.4	329.0	329.0	326.8	328.1	329.0	331.5	333.2
32.5°	1157.2	961.7	494.9	322.7	315.8	313.4	315.6	318.0	319.0	322.2	324.9
35°	1205.6	952.4	444.5	302.1	302.1	299.0	300.2	299.7	297.5	296.0	299.4
37.5°	1269.7	951.9	402.9	292.6	290.6	290.1	290.4	287.2	278.6	268.4	268.6
40°	1346.8	965.1	370.9	286.0	284.5	287.5	286.0	277.4	253.9	236.1	235.6
42.5°	1450.3	1002.8	350.3	277.9	282.3	286.0	280.1	250.5	234.6	222.6	222.1
45°	1572.1	1064.0	339.8	269.4	278.2	282.6	254.2	241.2	228.5	214.1	213.1
47.5°	1710.1	1141.0	337.4	261.3	268.9	271.6	243.2	237.3	222.9	207.2	206.0
50°	1860.3	1232.3	344.0	251.7	255.4	246.1	239.5	234.1	219.2	203.8	202.1
52.5°	2015.6	1332.8	357.2	238.8	242.0	231.7	238.0	233.4	217.0	196.2	194.7
55°	2168.3	1434.1	369.9	223.6	228.3	218.7	233.9	230.5	207.0	183.5	182.3
57.5°	2323.4	1534.9	382.4	210.1	215.0	206.2	227.3	222.6	195.7	171.7	171.3
60°	2484.6	1632.8	388.3	197.2	200.6	194.7	217.2	209.2	183.0	159.8	159.0
62.5°	2635.6	1714.2	378.7	184.2	186.4	184.0	204.0	193.3	170.3	146.3	146.1
65°	2787.0	1762.7	349.4	171.5	172.0	170.8	185.4	176.1	155.3	134.6	133.1
67.5°	2924.2	1789.8	302.6	157.8	156.6	156.1	168.1	157.6	140.9	122.8	121.3
70°	2953.3	1720.8	231.2	141.6	141.6	140.4	149.0	138.2	125.0	110.3	109.8
72.5°	2697.4	1447.6	164.2	123.3	125.3	122.8	129.9	120.9	108.9	99.1	96.1
75°	2175.1	1061.5	119.4	104.5	107.9	103.7	110.3	104.0	93.7	93.5	84.2
77.5°	1494.5	656.4	86.6	86.1	88.6	83.2	90.8	87.3	78.0	73.9	69.2
80°	637.8	261.8	63.1	66.5	66.5	61.7	70.5	71.4	63.4	61.4	61.4
82.5°	127.0	74.4	44.3	45.7	43.1	41.6	49.9	55.3	76.3	84.9	85.1
85°	38.2	27.4	26.7	25.0	22.0	22.3	29.4	55.5	68.5	39.1	33.8
87.5°	10.5	6.9	7.1	5.6	4.6	6.1	10.0	42.1	23.0	9.8	8.3
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)