

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: P939055

Luminaire Tested: **GALN-SB1C-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6132 lumens
Efficiency: N/A
Efficacy: 112.7 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

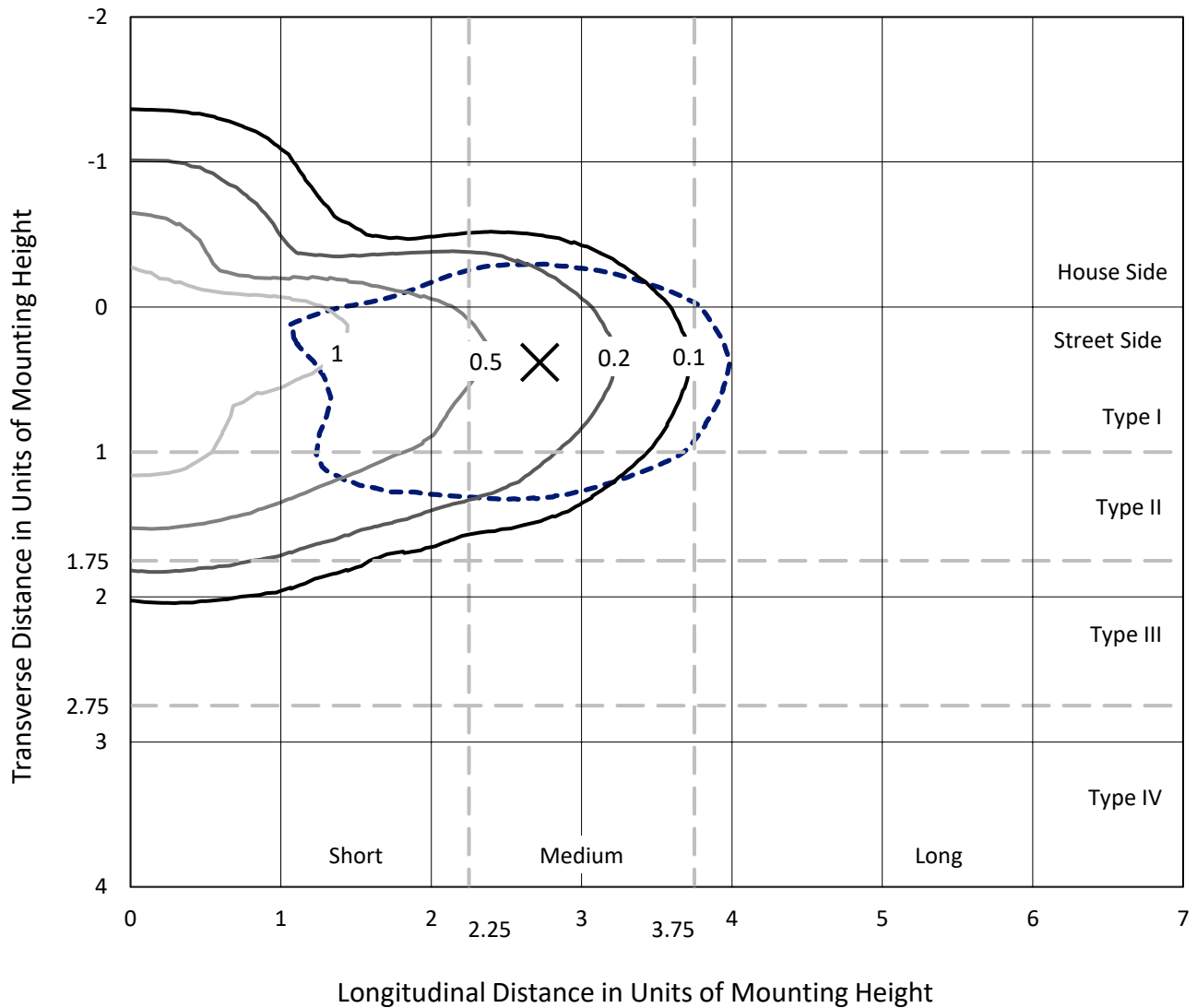
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939055
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Iso-Footcandle Lines of Horizontal Illumination

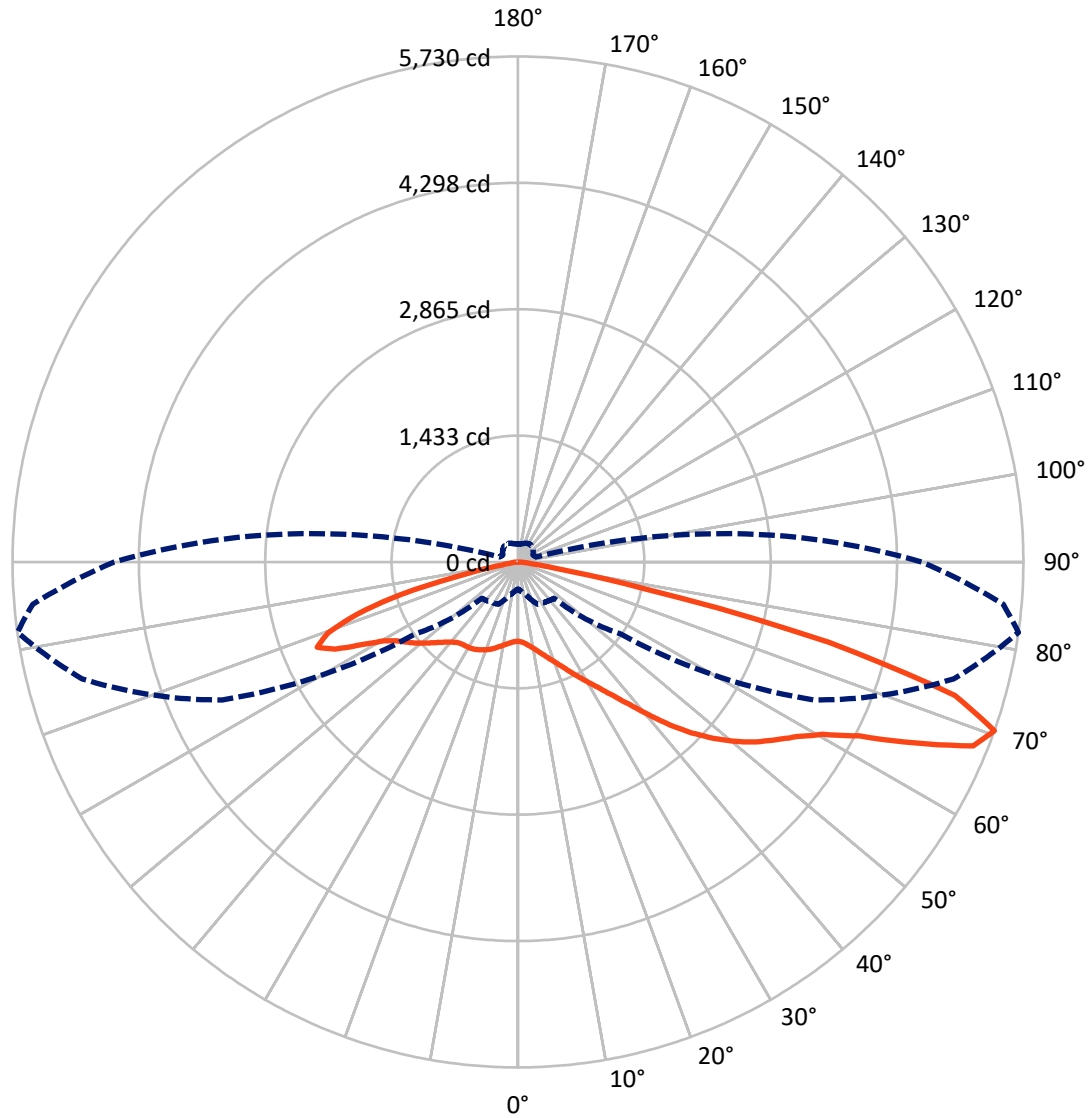
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1511.7	0.0	1511.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	4620.3	0.0	4620.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	6132.0	0.0	6132.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.9	1.4
10°-20°	243.9	4.0
20°-30°	408.0	6.7
30°-40°	637.4	10.4
40°-50°	1015.1	16.6
50°-60°	1412.6	23.0
60°-70°	1477.7	24.1
70°-80°	772.3	12.6
80°-90°	80.2	1.3
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°	6132.0	100.0
0°-180°	6132.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939055

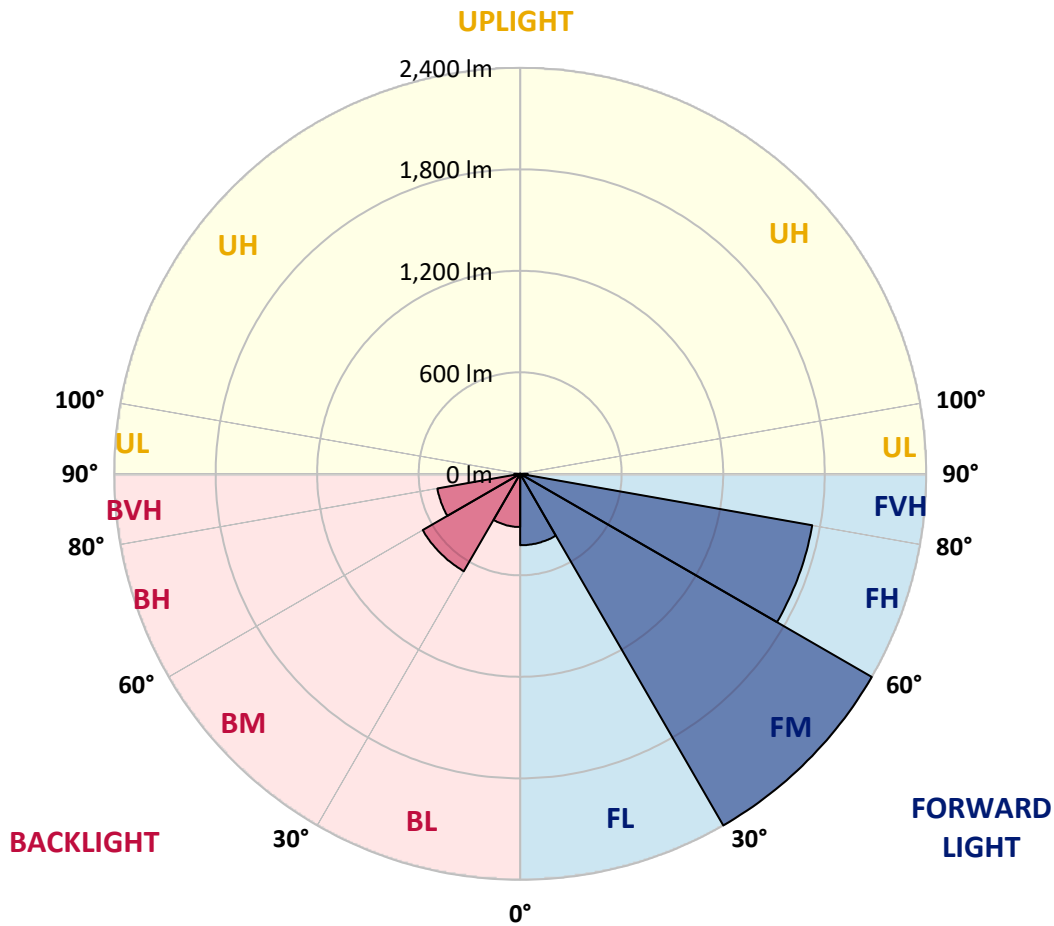
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.3	6.9			
FM (30°-60°)	2400.0	39.1			
FH (60°-80°)	1753.2	28.6			G1/1800
FVH (80°-90°)	44.9	0.7			G1/100
BL (0°-30°)	314.5	5.1	B1/500		
BM (30°-60°)	665.1	10.8	B1/1000		
BH (60°-80°)	496.8	8.1	B1/500		G1/500
BVH (80°-90°)	35.3	0.6			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



REPORT NUMBER: P939055
 CATALOG NUMBER: GALN-SB1C-722-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0
2.5°	920.5	925.7	924.1	922.5	922.5	920.2	919.9	916.6	914.0	909.8	908.8
5°	932.2	937.7	937.1	938.4	942.6	943.6	944.6	942.6	937.4	932.2	929.9
7.5°	921.8	928.0	929.9	937.7	950.8	962.5	971.3	974.8	970.0	962.5	958.9
10°	886.7	893.5	900.3	918.9	942.0	969.6	993.1	1007.1	1006.1	998.9	992.7
12.5°	815.4	822.6	837.2	873.3	915.6	964.4	1008.0	1037.3	1047.4	1042.2	1031.5
15°	758.5	764.6	775.7	812.8	867.8	942.0	1013.6	1070.5	1096.2	1093.3	1080.3
17.5°	756.8	759.4	766.3	783.8	826.1	906.8	1007.7	1103.0	1152.2	1151.8	1135.6
20°	785.5	786.4	790.4	793.9	818.0	880.2	992.7	1130.0	1215.0	1215.0	1197.4
22.5°	825.2	824.5	828.4	825.2	836.9	877.9	983.3	1153.8	1284.9	1290.1	1268.0
25°	884.7	881.5	880.5	873.0	875.3	899.0	993.7	1180.8	1367.9	1378.6	1351.0
27.5°	964.1	958.9	955.3	938.1	932.2	942.6	1025.6	1213.3	1460.3	1478.9	1443.7
30°	1067.6	1058.1	1052.9	1023.0	1001.8	1003.5	1073.8	1256.6	1556.9	1586.9	1542.3
32.5°	1208.8	1194.1	1180.2	1131.0	1092.3	1079.6	1135.9	1316.5	1661.7	1709.6	1652.3
35°	1366.9	1355.2	1340.2	1264.4	1204.9	1175.6	1219.9	1400.1	1784.4	1860.2	1785.7
37.5°	1519.2	1509.1	1516.3	1414.1	1337.3	1294.7	1329.8	1512.4	1935.7	2047.6	1952.9
40°	1676.7	1668.9	1669.9	1572.2	1482.8	1434.9	1463.2	1653.3	2109.1	2270.5	2154.0
42.5°	1847.8	1842.0	1822.5	1735.9	1635.4	1590.8	1616.8	1816.0	2295.2	2524.3	2374.6
45°	2039.5	2035.9	2017.7	1918.4	1803.3	1753.2	1788.3	1995.6	2482.3	2763.1	2596.2
47.5°	2205.1	2208.0	2205.8	2122.1	2002.7	1929.2	1971.2	2183.0	2656.4	2987.6	2808.7
50°	2284.8	2300.1	2322.6	2296.5	2222.4	2147.5	2155.6	2363.9	2822.4	3198.2	3012.4
52.5°	2243.2	2272.1	2333.3	2375.0	2403.6	2388.0	2366.2	2543.5	2978.5	3388.2	3205.0
55°	2088.0	2128.6	2230.2	2330.7	2476.8	2590.4	2619.0	2742.6	3130.8	3555.4	3387.2
57.5°	1805.2	1871.3	1962.4	2165.7	2411.7	2688.3	2913.8	3018.9	3292.2	3734.1	3577.9
60°	1320.4	1408.9	1522.1	1824.7	2184.0	2635.9	3164.7	3443.2	3521.6	3965.4	3826.2
62.5°	845.0	899.7	1003.8	1288.8	1701.7	2367.5	3241.4	3973.6	3910.4	4344.8	4198.4
65°	578.5	613.7	709.0	869.1	1100.1	1762.3	3035.8	4371.2	4528.0	4946.1	4834.8
67.5°	420.4	447.1	528.4	668.7	716.8	1042.8	2355.8	4352.9	5128.3	5565.6	5392.5
70°	306.5	325.4	393.7	528.4	551.5	580.2	1427.1	3700.2	5115.3	5730.3	5523.0
72.5°	227.1	240.1	286.0	410.0	446.4	391.8	706.4	2689.3	4395.6	5183.0	5016.7
75°	164.3	174.1	207.9	313.7	357.3	298.4	352.4	1571.6	3066.1	3645.9	3675.2
77.5°	125.6	133.1	155.2	229.7	286.0	223.9	218.7	723.0	1453.8	1461.0	1543.0
80°	100.9	105.7	117.8	161.7	219.3	167.6	142.5	291.9	459.4	388.8	408.0
82.5°	74.2	82.3	99.6	113.6	156.8	115.5	86.9	147.4	174.7	150.3	151.6
85°	42.3	47.8	60.2	81.3	100.2	70.6	49.8	65.4	81.3	66.7	59.5
87.5°	15.0	19.5	21.1	31.9	43.6	29.3	19.2	18.9	26.7	19.8	16.6
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: P939055
 CATALOG NUMBER: GALN-SB1C-722-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0	899.0
2.5°	905.5	903.9	897.4	888.6	879.5	870.7	867.8	861.6	857.4	855.1	857.7
5°	923.8	918.6	903.3	883.7	863.2	841.1	825.5	811.2	800.8	791.0	794.9
7.5°	949.8	940.7	914.3	880.2	843.7	806.9	779.6	758.8	744.8	735.7	737.6
10°	980.0	966.1	925.7	874.6	818.3	765.6	733.4	715.5	706.7	701.8	703.1
12.5°	1014.9	995.0	937.4	861.9	779.6	719.4	697.3	692.1	692.4	692.7	693.4
15°	1057.8	1030.2	946.9	834.3	729.2	684.0	680.0	688.5	697.3	701.5	701.2
17.5°	1106.3	1067.2	948.5	788.7	679.7	661.2	673.5	691.8	705.1	711.0	712.3
20°	1158.4	1105.0	936.8	724.3	639.0	642.6	664.8	688.2	702.8	710.3	712.3
22.5°	1217.9	1145.3	908.8	656.6	605.9	622.5	648.5	671.3	686.6	694.0	696.0
25°	1285.9	1190.6	864.9	599.7	577.2	599.7	625.7	644.6	656.9	663.8	665.7
27.5°	1361.4	1237.7	806.3	554.4	552.2	576.2	597.7	612.4	618.9	624.1	626.0
30°	1437.2	1280.7	735.4	520.3	530.4	553.1	568.4	574.9	576.9	577.9	580.2
32.5°	1519.2	1317.8	660.8	492.0	509.5	530.7	539.8	542.7	533.6	527.4	529.4
35°	1618.4	1357.5	588.0	469.5	489.0	507.3	510.2	507.6	496.9	484.2	484.8
37.5°	1741.1	1406.9	529.7	453.6	469.9	481.9	478.3	477.7	478.6	463.7	464.6
40°	1891.4	1471.4	487.1	441.2	454.2	456.8	446.7	452.3	457.2	434.4	435.0
42.5°	2058.4	1549.1	460.1	432.8	441.2	435.0	419.4	425.6	424.9	395.0	394.7
45°	2228.5	1633.7	450.7	426.6	429.2	416.8	399.6	401.2	387.5	360.5	361.5
47.5°	2397.7	1724.5	456.5	421.4	414.2	400.2	386.9	379.7	359.5	339.4	339.4
50°	2563.7	1819.9	478.0	411.0	393.7	385.6	375.8	363.1	341.7	324.4	323.1
52.5°	2717.6	1915.8	502.1	393.7	368.0	372.9	366.7	352.1	330.9	313.3	313.7
55°	2863.4	2011.8	511.5	370.0	343.9	361.8	358.2	331.2	305.9	291.5	290.2
57.5°	3022.1	2127.3	501.1	339.7	324.4	349.1	335.5	305.5	290.9	280.2	279.2
60°	3242.1	2308.6	478.6	302.3	305.9	330.3	306.8	294.5	278.5	266.5	265.8
62.5°	3607.5	2646.6	442.5	265.2	284.1	302.3	293.2	280.8	264.5	252.8	252.8
65°	4147.6	3116.5	374.5	236.2	259.7	274.9	278.5	266.2	249.2	236.9	237.5
67.5°	4603.2	3411.3	283.4	212.1	234.6	252.8	262.9	250.9	233.0	220.9	221.3
70°	4578.1	3197.2	216.4	188.4	212.5	231.0	244.0	234.6	215.4	204.0	205.0
72.5°	4066.3	2674.6	175.1	164.3	190.0	208.2	223.9	216.7	197.2	186.1	186.1
75°	2987.3	1898.6	139.9	139.9	162.0	184.5	201.7	197.2	179.3	171.5	169.2
77.5°	1259.2	796.5	109.7	116.2	134.7	158.5	179.9	181.6	165.9	175.7	159.4
80°	334.8	219.6	83.6	91.4	105.7	130.8	156.5	155.9	138.9	129.8	120.7
82.5°	127.5	86.6	59.5	64.4	76.5	100.2	124.0	127.9	111.0	96.0	96.0
85°	49.1	37.1	36.8	38.7	44.6	66.4	93.7	97.0	83.6	70.9	73.2
87.5°	12.7	11.1	13.7	13.0	20.5	35.5	53.7	55.6	51.1	29.6	42.3
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)