

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: P939059

Luminaire Tested: **GALN-SB1C-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
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-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6117 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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



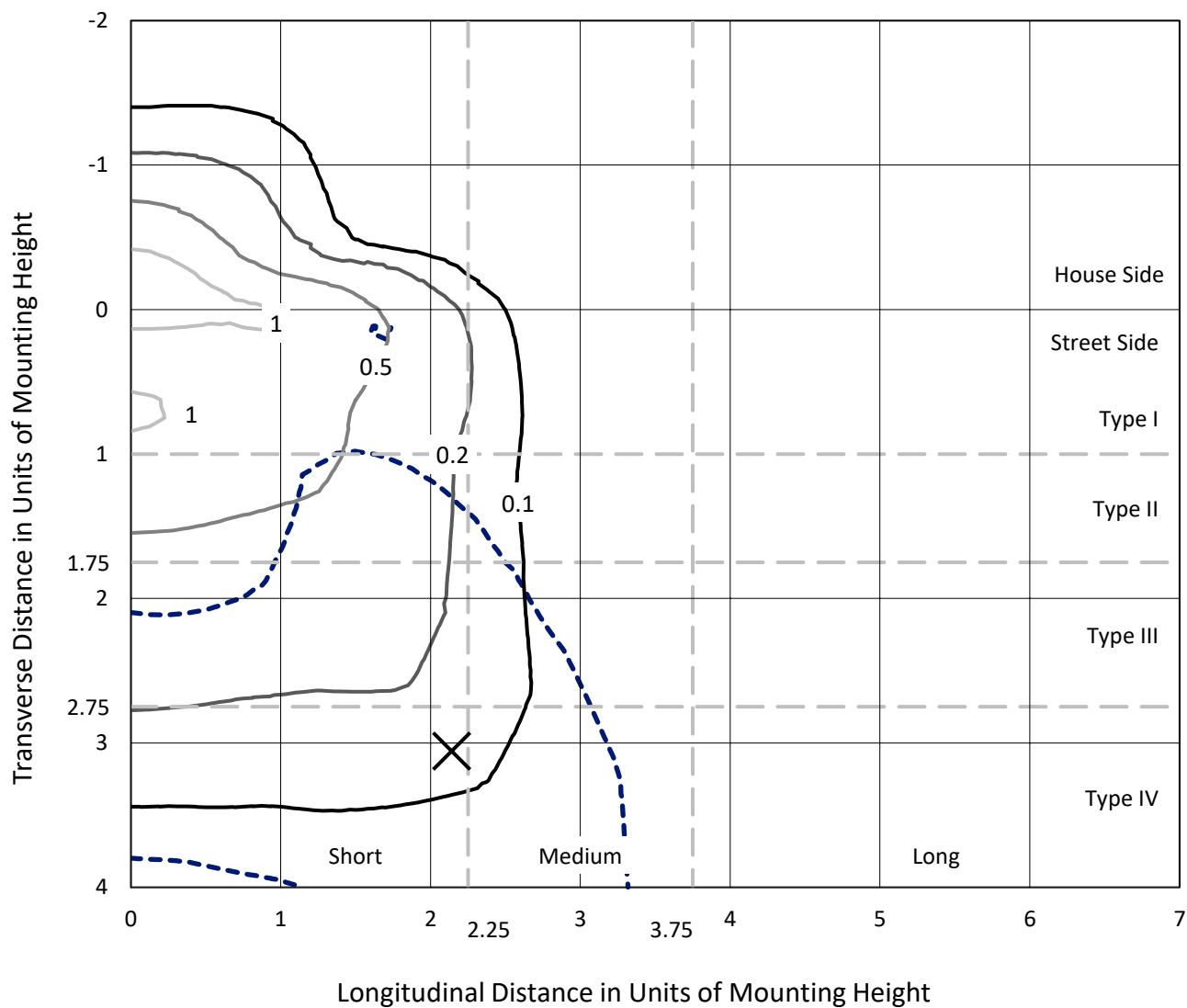
REPORT NUMBER: P939059

CATALOG NUMBER: GALN-SB1C-722-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



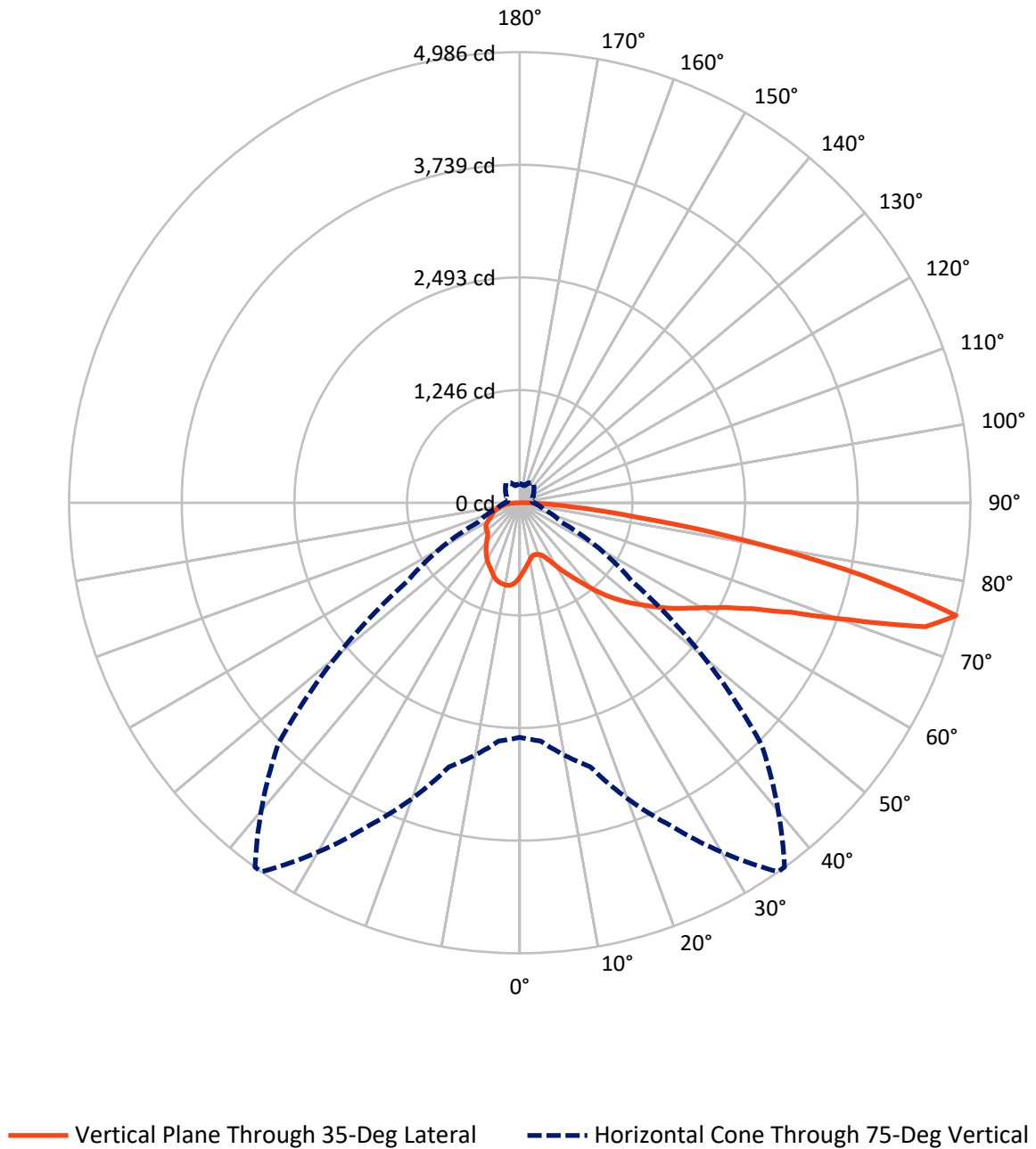
Based on 25 foot mounting height. Maximum calculated value = 1.4 fc

Type IV - Short - N/A

REPORT NUMBER: P939059

CATALOG NUMBER: GALN-SB1C-722-U-T4FT

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1455.7	0.0	1455.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	4661.3	0.0	4661.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	6117.0	0.0	6117.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	1.3
10°-20°	222.6	3.6
20°-30°	373.8	6.1
30°-40°	581.0	9.5
40°-50°	862.3	14.1
50°-60°	1190.5	19.5
60°-70°	1444.3	23.6
70°-80°	1193.6	19.5
80°-90°	171.7	2.8
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°	6117.0	100.0
0°-180°	6117.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939059

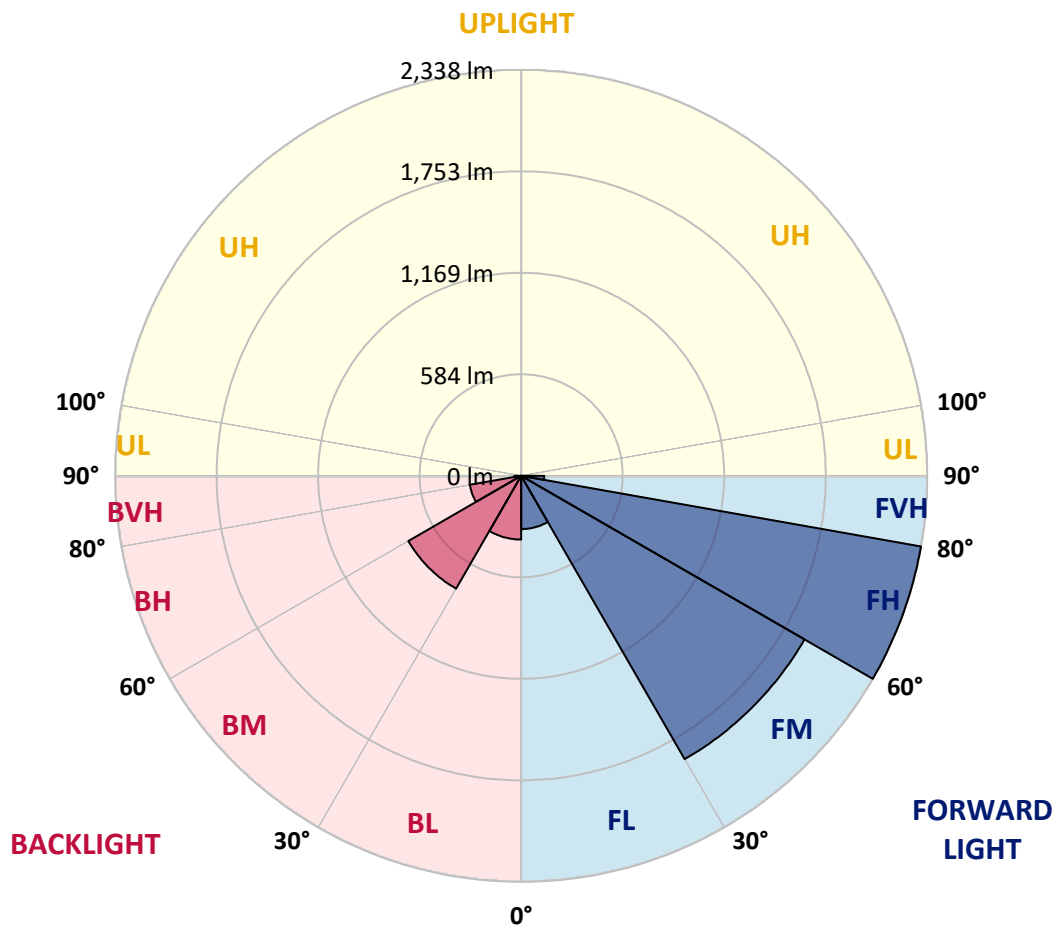
CATALOG NUMBER: GALN-SB1C-722-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	306.8	5.0			
FM	(30°-60°)	1883.7	30.8			
FH	(60°-80°)	2337.8	38.2			G2/5000
FVH	(80°-90°)	133.0	2.2			G2/225
BL	(0°-30°)	366.9	6.0	B1/500		
BM	(30°-60°)	750.1	12.3	B1/1000		
BH	(60°-80°)	300.1	4.9	B1/500		G1/500
BVH	(80°-90°)	38.7	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-G2

Type IV Short



REPORT NUMBER: P939059

CATALOG NUMBER: GALN-SB1C-722-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1
2.5°	751.6	756.3	758.3	757.3	762.2	761.6	768.5	777.1	789.0	800.6	817.4
5°	693.8	698.7	703.0	707.0	716.6	719.6	730.5	747.0	768.8	791.0	818.8
7.5°	639.9	644.2	650.8	658.1	674.3	677.2	695.4	721.2	751.6	784.0	822.4
10°	595.9	600.2	607.1	615.4	635.6	639.2	662.4	696.7	736.4	777.4	826.4
12.5°	577.0	578.4	582.3	590.6	608.1	610.4	635.9	675.3	721.5	772.5	832.3
15°	576.0	578.7	579.0	583.3	597.9	598.9	622.3	661.4	712.3	771.5	841.3
17.5°	586.0	588.0	585.0	587.6	599.9	601.5	620.0	654.8	709.3	775.8	856.5
20°	612.4	614.1	605.1	601.5	610.4	611.8	629.9	659.0	712.3	784.7	877.3
22.5°	668.6	669.6	647.8	632.9	633.6	634.2	650.1	676.6	723.9	800.9	903.8
25°	756.3	755.6	720.9	692.1	675.6	671.9	682.5	705.0	743.4	822.4	937.8
27.5°	858.8	853.8	819.1	776.1	740.1	734.8	732.5	742.1	771.2	850.8	979.5
30°	974.5	969.9	932.5	876.3	826.4	817.8	796.0	791.0	812.5	889.5	1037.4
32.5°	1101.5	1098.5	1053.9	985.8	919.0	909.0	872.3	859.1	876.0	948.1	1118.0
35°	1208.0	1205.3	1168.3	1098.2	1016.5	1004.3	966.9	952.0	960.6	1023.1	1223.5
37.5°	1304.2	1302.9	1271.1	1215.9	1131.6	1116.7	1074.7	1069.8	1068.1	1122.0	1351.5
40°	1393.5	1390.2	1357.1	1328.0	1265.5	1252.0	1214.9	1210.6	1198.1	1243.7	1496.3
42.5°	1492.4	1483.8	1435.8	1422.3	1405.4	1394.2	1372.0	1372.7	1344.9	1380.9	1649.8
45°	1573.1	1568.1	1518.8	1510.9	1529.1	1524.4	1543.6	1548.6	1494.7	1524.8	1809.2
47.5°	1659.7	1655.1	1613.4	1607.8	1657.0	1658.4	1726.2	1727.8	1640.8	1674.2	1968.9
50°	1766.5	1759.9	1718.6	1725.5	1780.7	1785.7	1909.7	1898.4	1775.4	1826.0	2127.3
52.5°	1836.9	1840.9	1832.0	1843.2	1918.6	1923.2	2090.2	2061.5	1908.7	1975.8	2282.7
55°	1888.9	1896.8	1924.6	1950.4	2064.1	2068.7	2260.5	2216.6	2019.1	2114.7	2428.9
57.5°	1955.7	1944.4	1996.3	2046.6	2202.3	2214.6	2426.2	2366.0	2117.0	2234.4	2529.1
60°	2051.6	2043.6	2084.0	2158.4	2357.1	2376.6	2601.5	2500.6	2188.8	2329.3	2548.6
62.5°	2246.0	2226.2	2232.4	2298.2	2552.2	2578.0	2799.2	2618.0	2224.5	2366.4	2444.1
65°	2536.7	2502.6	2470.9	2516.5	2827.0	2852.5	3022.4	2710.3	2211.3	2294.6	2166.6
67.5°	2902.7	2869.0	2830.0	2873.0	3231.8	3251.9	3297.9	2762.2	2107.1	2018.2	1676.2
70°	3204.6	3192.1	3238.7	3415.6	3878.2	3878.9	3651.1	2719.2	1821.7	1430.9	969.9
72.5°	3164.6	3157.0	3402.7	3949.7	4693.0	4675.5	3985.4	2393.8	1227.2	645.5	363.4
75°	2596.2	2645.5	3026.1	3940.1	4985.7	4983.4	3780.7	1521.8	507.6	267.5	187.8
77.5°	1392.2	1470.2	1964.6	2909.0	3892.1	3950.7	2658.0	532.4	217.9	171.3	130.0
80°	454.0	522.1	783.1	1481.1	2529.1	2518.1	1139.2	209.0	149.1	121.4	89.9
82.5°	192.8	200.7	349.9	699.4	1297.9	1277.8	362.8	120.0	104.8	83.0	55.6
85°	75.4	84.3	154.4	323.4	562.2	549.9	131.0	59.5	67.1	54.2	33.1
87.5°	24.8	30.1	55.2	110.8	174.9	168.6	32.1	20.5	29.1	24.8	11.9
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: P939059

CATALOG NUMBER: GALN-SB1C-722-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1	815.1
2.5°	822.1	827.4	833.6	842.9	850.8	857.5	864.4	868.7	870.4	875.3	875.0
5°	828.0	839.6	855.1	870.4	885.2	894.2	902.1	906.1	909.7	912.4	913.0
7.5°	837.9	852.8	877.3	897.1	909.7	917.0	922.3	920.9	922.3	922.9	923.9
10°	846.5	867.4	896.5	915.3	924.9	925.2	923.9	919.3	917.0	917.3	918.0
12.5°	856.8	879.9	911.4	927.2	929.9	922.6	917.0	909.0	906.1	904.7	904.1
15°	870.7	897.1	927.6	933.5	926.9	917.6	908.1	895.2	888.5	883.3	884.9
17.5°	887.6	916.7	940.1	935.8	921.6	906.4	890.9	871.3	857.8	852.2	852.5
20°	911.0	937.2	949.7	930.9	909.4	886.2	859.8	836.0	823.4	817.8	817.1
22.5°	939.5	964.6	959.0	922.3	891.8	854.8	821.7	804.2	797.9	794.0	794.6
25°	973.5	995.0	965.6	909.7	863.1	813.1	787.7	782.1	779.1	776.1	776.1
27.5°	1017.8	1029.4	970.6	891.2	818.1	768.8	759.6	760.6	759.6	754.6	755.6
30°	1076.4	1074.1	975.2	861.1	766.5	728.8	729.5	733.8	734.4	731.1	732.8
32.5°	1153.4	1129.9	977.5	822.1	717.2	693.8	694.4	699.1	702.4	696.7	699.4
35°	1246.7	1195.1	973.9	773.1	679.2	660.4	655.4	656.7	657.7	652.4	656.1
37.5°	1355.5	1268.2	957.7	718.9	647.8	627.6	617.1	608.1	602.8	597.9	601.2
40°	1474.8	1347.9	927.9	666.0	612.8	592.9	577.0	560.2	542.3	535.7	538.7
42.5°	1599.8	1429.9	891.8	615.4	572.4	556.2	539.3	514.9	488.1	474.5	476.2
45°	1729.5	1513.9	856.5	565.5	531.1	524.1	504.6	475.2	446.1	428.9	427.6
47.5°	1856.4	1593.2	804.5	515.2	492.4	500.0	484.8	457.7	425.3	398.1	395.2
50°	1977.8	1667.6	719.6	464.3	461.0	492.7	478.2	439.1	402.1	367.4	364.4
52.5°	2098.2	1727.8	610.8	418.0	444.1	490.7	469.6	426.6	381.3	344.9	340.9
55°	2200.4	1758.9	505.9	378.3	419.6	473.9	459.3	411.7	351.8	313.2	309.8
57.5°	2258.6	1733.8	418.6	339.3	385.9	446.1	441.8	380.0	316.8	287.0	283.1
60°	2233.4	1631.9	347.2	305.2	353.8	416.0	411.4	348.5	290.0	261.9	257.9
62.5°	2094.9	1437.8	290.7	275.5	324.7	385.2	380.9	324.4	269.5	242.4	238.1
65°	1815.8	1169.6	246.7	250.7	295.3	348.2	354.5	304.2	253.3	226.8	222.5
67.5°	1384.9	847.2	212.3	229.2	266.5	311.8	330.0	289.7	239.7	214.6	210.6
70°	789.3	481.1	183.2	208.3	241.1	278.1	311.2	278.1	225.2	204.4	201.7
72.5°	299.3	220.9	158.4	187.5	216.6	249.7	290.3	259.9	208.3	192.8	190.1
75°	159.7	134.6	133.3	163.0	188.5	221.9	264.2	242.1	195.8	203.7	210.3
77.5°	108.8	95.2	111.4	139.5	157.7	191.1	236.4	214.9	169.6	169.0	155.8
80°	75.4	67.5	90.6	112.4	122.0	160.7	206.3	184.5	138.2	129.0	123.3
82.5°	45.3	44.0	67.8	84.0	86.3	124.0	171.0	154.8	113.1	98.5	99.2
85°	24.8	26.1	43.3	49.3	50.3	86.6	133.9	119.7	87.0	73.1	73.7
87.5°	6.9	8.9	15.9	19.5	24.1	45.0	79.7	71.1	43.7	30.4	30.4
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)