

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: P944846

Luminaire Tested: **GALN-SB1A-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3757 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 30.9
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

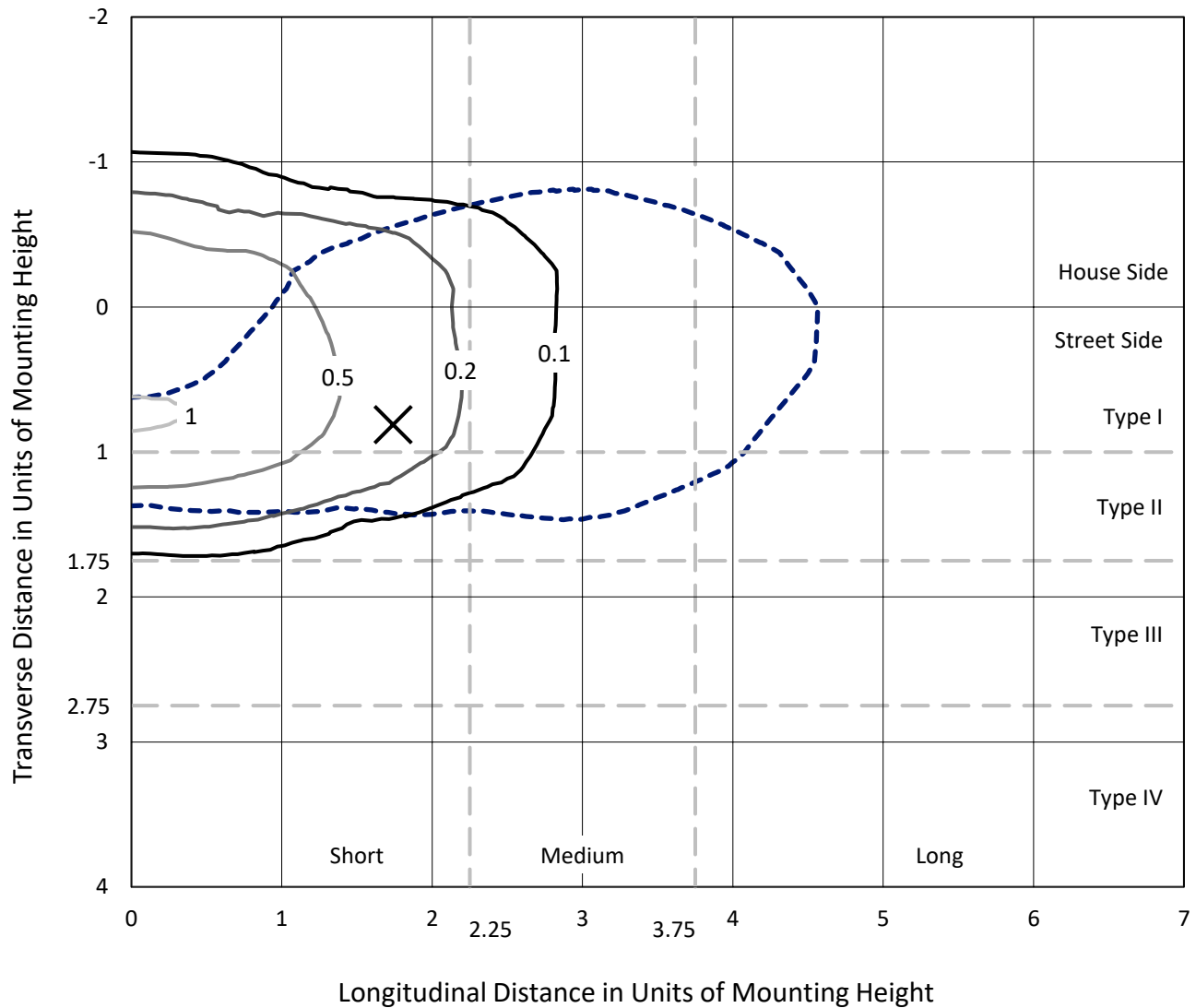


REPORT NUMBER: P944846

CATALOG NUMBER: GALN-SB1A-722-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

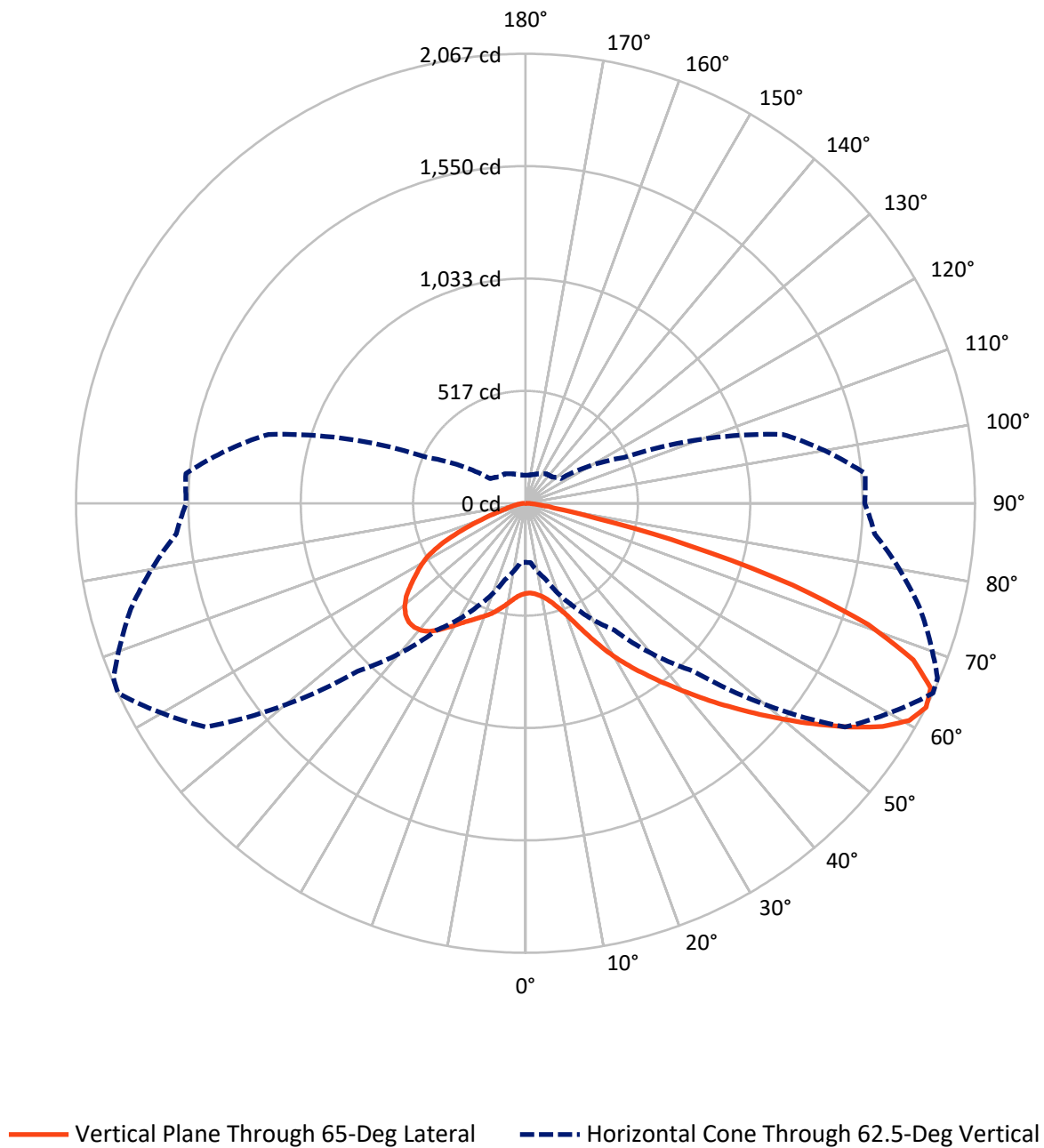


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type II - Short - N/A

REPORT NUMBER: P944846

CATALOG NUMBER: GALN-SB1A-722-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P944846

CATALOG NUMBER: GALN-SB1A-722-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1185.5	0.0	1185.5
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	2571.5	0.0	2571.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	3757.0	0.0	3757.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	1.1
10°-20°	140.0	3.7
20°-30°	283.8	7.6
30°-40°	491.1	13.1
40°-50°	743.2	19.8
50°-60°	871.4	23.2
60°-70°	730.5	19.4
70°-80°	403.3	10.7
80°-90°	52.4	1.4
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°	3757.0	100.0
0°-180°	3757.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944846

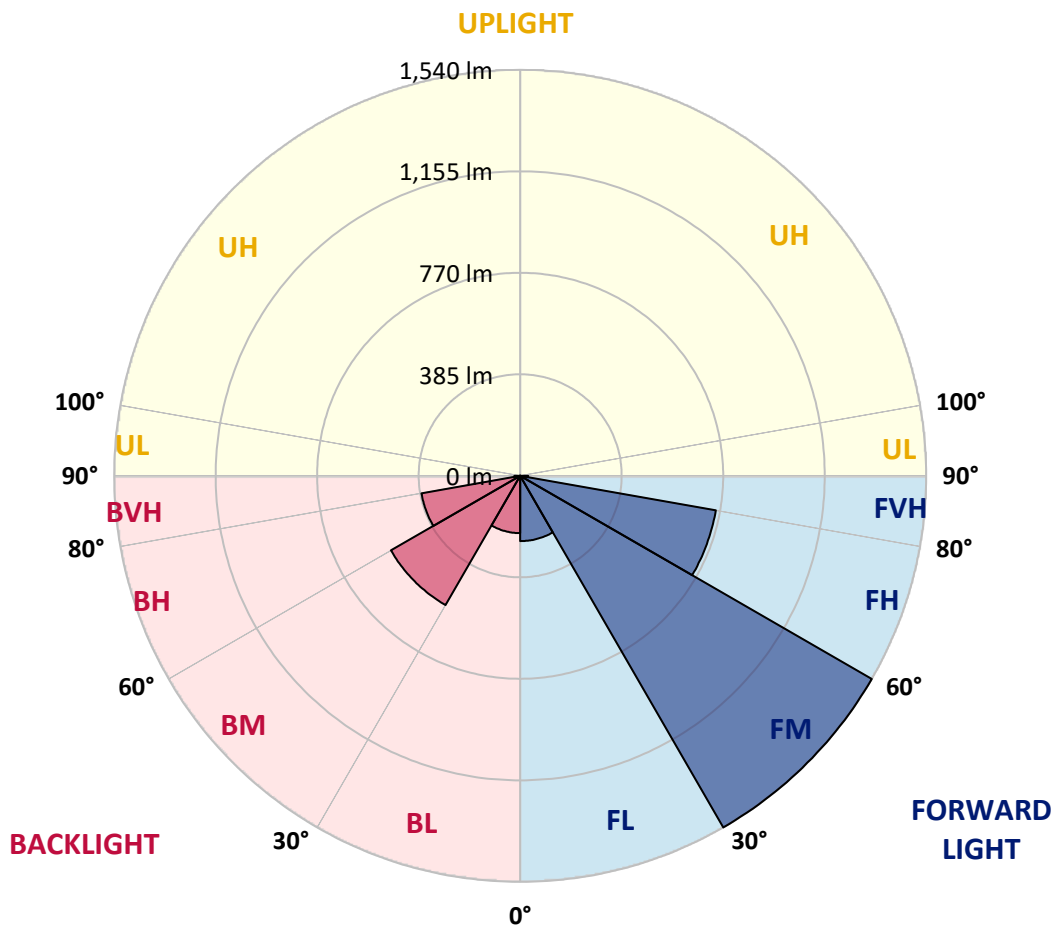
CATALOG NUMBER: GALN-SB1A-722-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	247.6	6.6			
FM	(30°-60°)	1539.7	41.0			
FH	(60°-80°)	753.5	20.1			G1/1800
FVH	(80°-90°)	30.5	0.8			G1/100
BL	(0°-30°)	217.4	5.8	B1/500		
BM	(30°-60°)	566.0	15.1	B1/1000		
BH	(60°-80°)	380.3	10.1	B1/500		G1/500
BVH	(80°-90°)	21.9	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 Short



REPORT NUMBER: P944846

CATALOG NUMBER: GALN-SB1A-722-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0
2.5°	411.3	410.1	411.1	411.1	411.5	411.3	412.6	413.0	413.6	414.8	414.8
5°	407.2	407.0	408.7	410.3	411.9	413.2	415.0	417.5	417.9	419.3	421.0
7.5°	405.8	404.6	407.4	409.3	413.0	416.3	421.0	425.3	427.1	427.6	431.0
10°	416.3	414.4	416.9	418.1	421.2	424.5	430.0	436.8	438.8	441.1	444.8
12.5°	434.3	432.1	435.8	437.6	440.5	443.4	447.1	453.8	454.7	459.0	462.5
15°	458.8	456.3	458.6	460.8	465.7	468.4	472.1	478.5	478.5	481.8	484.4
17.5°	492.2	488.9	490.6	491.4	494.5	498.6	504.8	510.5	513.4	512.2	508.7
20°	541.9	537.8	537.8	533.9	532.7	536.0	544.2	552.0	555.1	549.1	540.5
22.5°	616.5	610.7	607.4	594.1	588.8	589.2	597.4	607.0	609.5	598.8	579.5
25°	711.4	702.3	697.8	678.3	666.4	656.1	662.5	674.8	678.3	665.1	633.9
27.5°	806.4	807.0	802.7	779.3	759.6	740.7	737.4	750.2	753.9	738.9	700.3
30°	939.5	925.7	917.5	889.4	861.3	834.8	821.2	826.5	827.4	809.5	764.7
32.5°	1054.3	1050.8	1033.3	1008.7	972.6	931.1	908.3	899.9	898.4	872.8	819.6
35°	1185.1	1183.2	1164.6	1135.4	1096.4	1038.7	997.6	973.6	971.7	935.8	874.0
37.5°	1318.0	1318.0	1299.9	1267.9	1227.6	1155.5	1092.9	1054.9	1048.7	1001.9	929.4
40°	1424.1	1417.6	1420.9	1407.5	1361.3	1284.7	1198.7	1143.6	1135.2	1079.1	988.2
42.5°	1484.3	1482.2	1502.0	1517.0	1498.1	1436.9	1315.3	1239.7	1228.0	1164.0	1056.1
45°	1497.7	1495.4	1530.9	1585.9	1612.4	1587.2	1442.0	1340.8	1326.6	1252.9	1128.8
47.5°	1466.8	1462.1	1514.1	1600.9	1685.8	1730.1	1579.2	1450.6	1429.9	1339.5	1203.4
50°	1373.6	1369.1	1447.8	1563.0	1710.6	1827.2	1728.1	1566.9	1535.4	1432.3	1278.9
52.5°	1171.1	1173.2	1296.6	1454.9	1678.0	1887.6	1856.4	1689.5	1651.5	1527.2	1349.6
55°	912.2	916.9	1068.5	1242.8	1547.8	1878.4	1943.9	1815.9	1778.0	1616.5	1422.7
57.5°	653.2	673.8	815.9	988.4	1297.8	1733.2	1963.0	1935.9	1899.3	1713.9	1494.2
60°	423.4	427.1	573.3	747.1	988.2	1475.1	1924.2	2026.9	1998.3	1813.3	1554.1
62.5°	271.3	273.9	362.9	522.6	711.3	1091.3	1793.6	2066.5	2057.7	1879.0	1611.6
65°	199.4	197.5	243.8	345.4	479.1	673.1	1540.0	2047.4	2064.8	1920.1	1659.1
67.5°	166.5	163.7	186.5	239.2	353.0	382.2	1139.5	1923.3	1986.8	1915.5	1694.0
70°	151.6	149.3	163.1	177.6	275.4	255.9	574.4	1672.0	1769.9	1862.2	1688.4
72.5°	128.5	124.4	143.3	157.7	214.2	196.3	237.4	1284.3	1403.6	1691.7	1608.9
75°	99.6	96.9	113.1	138.8	161.0	153.2	150.1	779.9	910.1	1308.3	1407.5
77.5°	78.9	75.2	90.1	108.2	144.8	115.6	109.3	335.8	464.9	835.2	1053.1
80°	59.4	56.1	68.4	85.6	111.3	87.1	70.8	137.0	175.2	423.2	529.6
82.5°	42.3	39.4	47.8	62.8	74.8	78.2	43.5	76.8	86.3	163.1	118.3
85°	27.1	25.3	32.0	39.4	47.6	50.3	26.5	40.2	44.1	67.2	49.3
87.5°	14.8	12.1	17.2	18.3	22.0	20.1	12.7	14.6	15.8	24.4	20.9
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: P944846

CATALOG NUMBER: GALN-SB1A-722-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0
2.5°	415.6	416.1	418.1	418.7	420.0	421.8	423.0	424.1	424.1	425.3	425.3
5°	421.2	422.6	426.7	428.8	432.3	435.8	438.0	440.5	442.1	442.9	443.2
7.5°	432.1	434.3	440.1	443.8	449.9	454.7	458.1	461.6	462.3	464.5	463.7
10°	446.9	449.5	456.1	463.1	470.3	476.4	479.5	482.0	483.0	483.4	482.4
12.5°	463.9	467.6	476.2	484.8	492.4	497.6	498.4	497.8	495.1	492.8	492.8
15°	484.8	488.1	497.6	507.0	514.4	515.4	510.5	507.4	504.1	503.5	503.5
17.5°	509.7	511.5	520.2	529.4	530.0	526.7	519.5	516.5	513.4	511.3	511.5
20°	538.8	538.2	544.4	548.3	544.2	534.1	523.2	518.3	515.2	512.6	512.8
22.5°	573.4	569.0	568.2	567.2	556.3	535.0	520.2	514.0	509.1	505.6	506.8
25°	623.9	606.8	594.9	588.3	563.7	529.8	510.9	497.0	487.9	481.8	484.2
27.5°	687.1	658.2	628.2	612.0	563.7	519.1	488.3	465.9	450.8	444.6	447.7
30°	747.3	717.1	672.9	640.7	562.3	501.5	451.8	420.6	403.1	396.9	400.6
32.5°	798.8	765.8	720.2	672.1	559.0	473.1	406.6	372.1	355.1	347.7	351.4
35°	846.5	811.4	767.8	706.6	550.3	431.4	356.9	330.6	311.7	299.8	303.7
37.5°	895.5	853.7	812.8	737.8	534.5	382.6	318.7	296.3	274.1	258.1	262.4
40°	948.7	898.8	861.0	756.3	508.5	336.2	289.1	268.6	245.0	228.1	231.4
42.5°	1010.8	952.8	914.6	765.8	473.1	303.3	269.8	249.7	227.5	213.6	216.4
45°	1075.8	1012.2	963.5	765.6	433.5	287.9	263.5	243.6	219.1	204.7	207.0
47.5°	1143.8	1074.4	1005.8	753.2	399.2	290.0	260.0	230.6	203.5	189.5	191.4
50°	1212.0	1142.4	1046.7	729.8	384.6	285.4	247.0	212.3	180.3	167.6	168.4
52.5°	1279.6	1214.7	1082.0	696.4	369.8	268.0	230.2	188.5	170.7	162.0	162.0
55°	1347.7	1286.3	1120.4	647.9	332.7	247.7	202.1	179.5	163.1	155.2	154.4
57.5°	1415.9	1368.9	1156.8	599.4	286.1	222.8	186.7	168.6	155.5	148.7	147.6
60°	1486.8	1463.4	1194.5	554.7	240.1	190.8	175.4	159.8	146.6	139.0	138.4
62.5°	1559.9	1567.5	1223.9	497.2	197.8	171.3	165.3	149.3	136.4	129.2	129.0
65°	1633.6	1667.9	1243.2	417.5	160.4	152.8	154.4	137.8	124.7	118.5	118.3
67.5°	1689.2	1740.2	1237.7	316.0	131.6	135.3	140.7	125.7	113.4	108.6	108.8
70°	1695.4	1731.6	1183.9	216.4	110.1	118.1	125.5	113.8	101.2	97.7	97.8
72.5°	1612.4	1614.7	1034.0	141.3	93.2	103.7	109.5	101.7	89.5	86.0	85.8
75°	1394.6	1335.4	759.2	93.2	78.0	89.1	94.5	89.1	77.2	78.0	75.2
77.5°	1056.6	945.7	461.0	66.3	65.1	74.8	82.3	78.4	68.2	76.6	67.4
80°	544.4	511.7	205.6	49.5	51.5	59.8	67.6	62.6	54.0	51.5	47.0
82.5°	124.7	145.0	81.1	35.5	37.2	43.1	51.7	47.0	38.8	32.7	32.4
85°	43.7	47.8	35.9	22.2	21.8	26.9	35.1	31.4	26.3	21.1	22.2
87.5°	13.8	18.1	13.4	9.0	9.4	12.1	16.2	14.8	12.3	8.0	8.4
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)