

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: P938712

Luminaire Tested: **GALN-SB1A-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
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-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

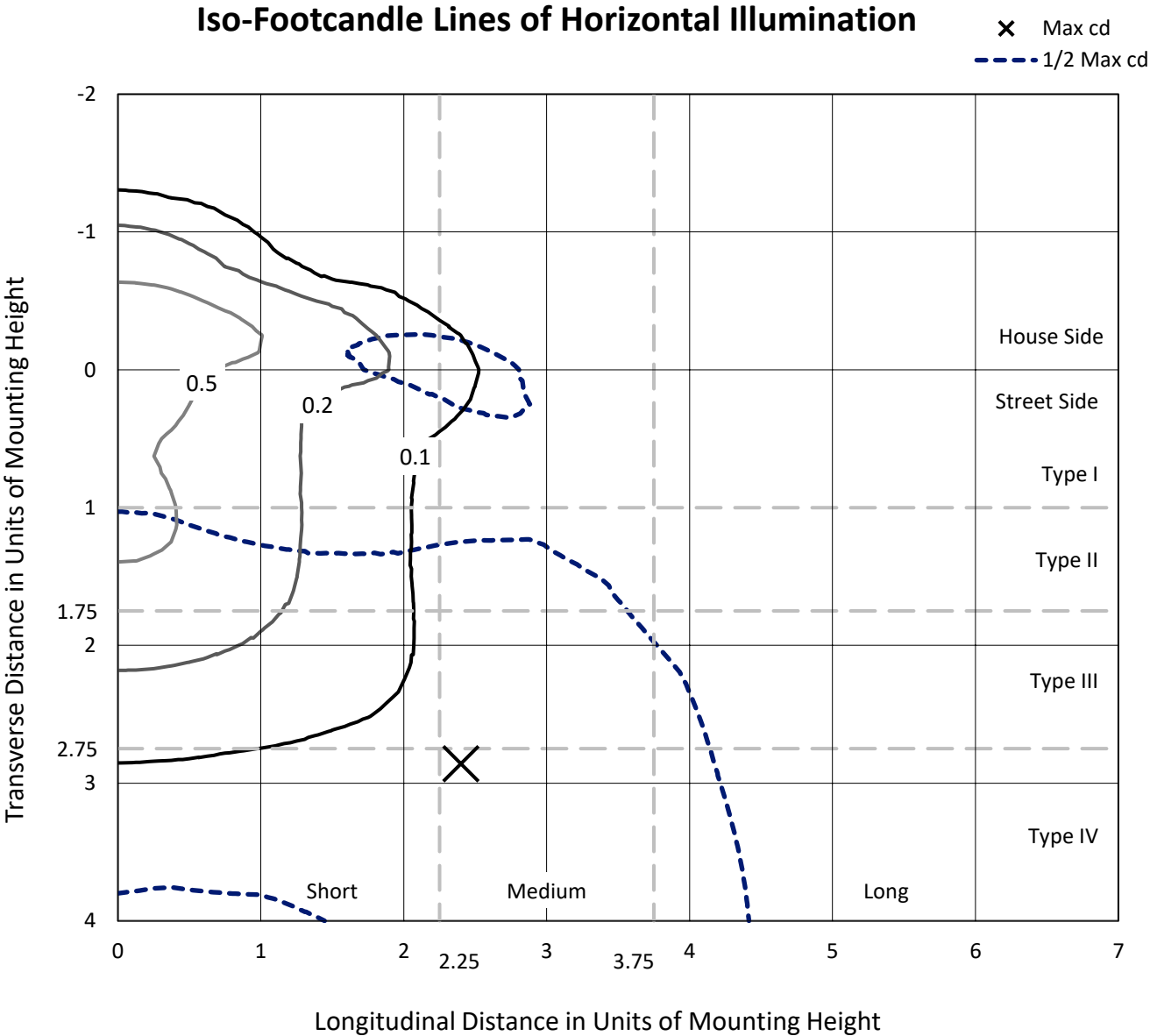
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3674 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
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: P938712
CATALOG NUMBER: GALN-SB1A-722-U-SL4

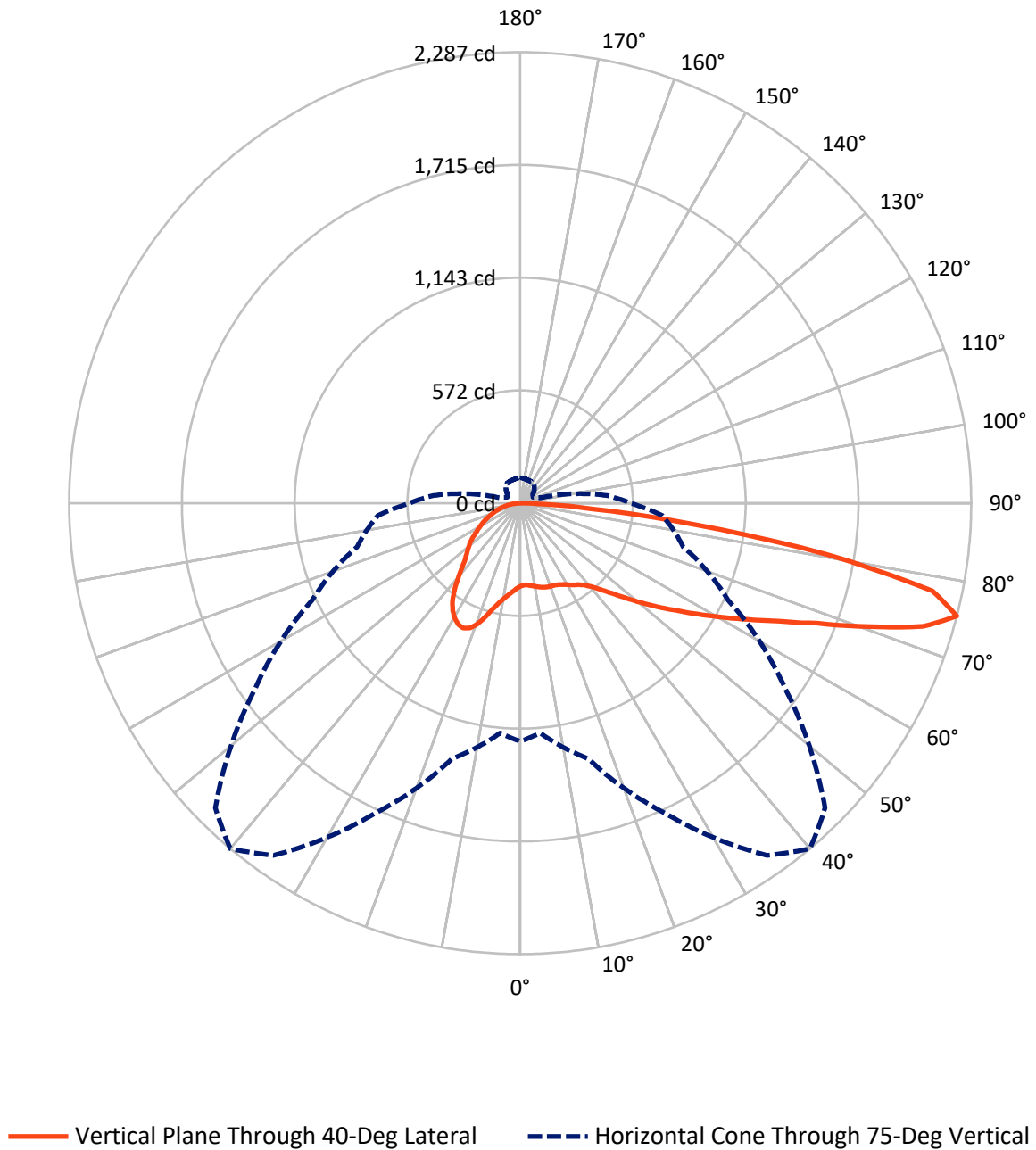


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type IV - Medium - N/A

REPORT NUMBER: P938712

CATALOG NUMBER: GALN-SB1A-722-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P938712

CATALOG NUMBER: GALN-SB1A-722-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1138.3	0.0	1138.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	2535.7	0.0	2535.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	3674.0	0.0	3674.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	1.1
10°-20°	140.8	3.8
20°-30°	257.1	7.0
30°-40°	364.6	9.9
40°-50°	492.4	13.4
50°-60°	662.3	18.0
60°-70°	840.7	22.9
70°-80°	763.0	20.8
80°-90°	111.2	3.0
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°	3674.0	100.0
0°-180°	3674.0	100.0

Coefficient of Utilization



REPORT NUMBER: P938712

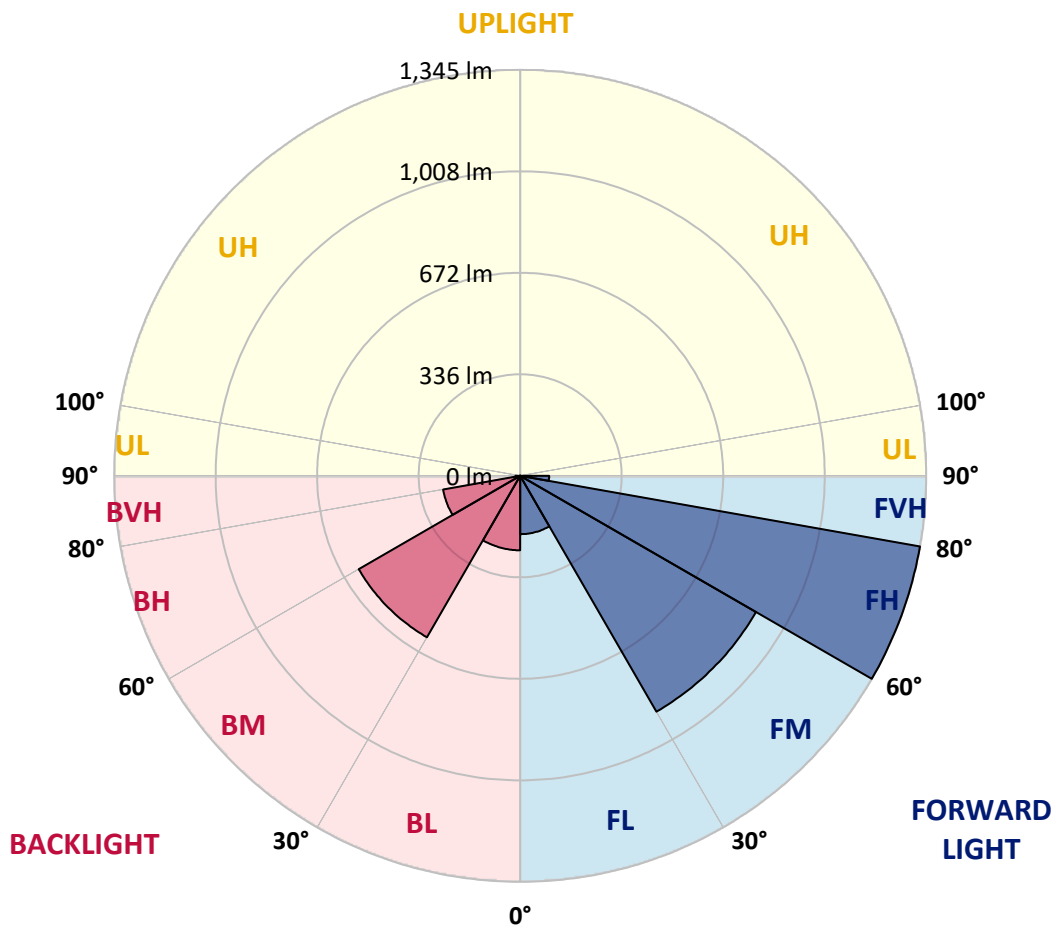
CATALOG NUMBER: GALN-SB1A-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.3	5.3			
FM	(30°-60°)	901.9	24.5			
FH	(60°-80°)	1344.6	36.6			G1/1800
FVH	(80°-90°)	95.9	2.6			G1/100
BL	(0°-30°)	246.6	6.7	B1/500		
BM	(30°-60°)	617.4	16.8	B1/1000		
BH	(60°-80°)	259.0	7.0	B1/500		G1/500
BVH	(80°-90°)	15.3	0.4			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 IV Medium



REPORT NUMBER: P938712

CATALOG NUMBER: GALN-SB1A-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1
2.5°	413.7	416.0	415.5	414.7	414.7	414.9	414.7	416.0	417.4	418.8	420.9
5°	418.0	420.3	419.2	418.2	417.4	417.2	416.6	416.4	417.2	419.0	421.9
7.5°	426.4	428.7	426.9	425.2	423.6	422.9	422.1	420.9	420.3	421.3	425.4
10°	435.7	438.1	435.9	432.8	430.3	429.3	428.5	427.3	426.6	427.1	431.6
12.5°	445.1	447.4	444.5	440.2	436.9	436.3	435.3	434.9	434.7	434.5	439.0
15°	453.8	455.8	452.1	447.0	443.5	442.5	441.6	442.1	443.1	444.3	449.4
17.5°	460.7	462.6	457.2	450.5	447.2	446.8	446.2	448.2	450.9	453.8	460.1
20°	466.9	468.8	461.8	452.9	449.0	449.0	449.2	453.3	457.2	461.4	470.0
22.5°	475.7	477.2	468.6	456.4	450.7	451.1	452.7	456.8	461.6	467.5	479.4
25°	488.7	489.9	479.4	463.0	456.6	457.7	459.1	461.0	465.7	472.5	488.5
27.5°	509.8	510.7	496.9	474.7	464.9	466.9	468.8	467.5	469.6	475.5	495.9
30°	539.4	540.0	522.4	493.0	479.2	480.1	480.5	474.9	470.8	475.5	501.2
32.5°	574.5	574.3	553.4	515.2	495.3	494.4	491.1	480.0	470.4	474.5	505.9
35°	628.8	626.7	599.8	546.4	513.7	507.6	499.8	485.6	472.4	473.5	510.0
37.5°	718.9	712.2	675.0	597.5	540.9	525.5	514.1	494.8	476.6	473.1	514.8
40°	820.4	812.0	771.1	667.4	581.9	557.1	538.6	507.8	483.7	474.9	522.0
42.5°	940.8	928.9	884.9	749.8	633.7	597.8	570.0	524.4	494.0	480.5	531.8
45°	1088.7	1072.9	1010.6	842.8	699.0	651.2	614.0	549.5	509.8	491.4	546.4
47.5°	1238.2	1242.1	1153.4	949.2	777.3	717.1	669.2	587.3	532.8	509.0	570.0
50°	1397.0	1399.7	1295.5	1067.1	866.2	791.5	731.1	629.6	564.7	533.9	605.2
52.5°	1520.9	1521.3	1424.5	1190.4	958.7	873.4	798.0	677.9	601.7	567.1	652.2
55°	1598.5	1597.5	1514.9	1307.1	1065.1	959.3	872.0	732.9	646.9	606.0	711.3
57.5°	1654.8	1651.9	1577.2	1407.5	1178.5	1060.8	955.8	795.2	700.3	652.4	789.0
60°	1676.2	1674.5	1619.5	1494.2	1297.8	1173.1	1052.5	865.0	760.9	707.2	889.0
62.5°	1684.4	1687.7	1661.0	1578.2	1425.4	1297.4	1158.7	948.4	829.1	769.1	994.4
65°	1713.2	1719.3	1713.8	1688.1	1569.6	1443.0	1299.5	1047.6	903.6	835.6	1104.5
67.5°	1770.3	1776.4	1778.7	1819.6	1745.8	1624.4	1475.3	1171.1	990.7	904.6	1187.3
70°	1769.0	1767.2	1808.5	1924.3	1966.4	1875.6	1712.3	1323.1	1094.6	961.8	1197.8
72.5°	1610.2	1596.1	1693.8	1923.1	2149.9	2137.9	2001.6	1519.2	1184.2	968.9	1039.4
75°	1208.0	1170.5	1343.0	1733.1	2180.5	2286.7	2185.6	1640.8	1162.9	856.0	723.3
77.5°	516.6	479.0	682.2	1283.0	1951.6	2137.7	2016.8	1431.5	928.3	566.1	355.2
80°	135.2	135.0	206.2	581.7	1327.2	1578.6	1384.9	924.4	530.4	202.3	98.0
82.5°	55.9	54.6	75.8	226.2	648.5	885.9	722.9	412.3	191.6	54.8	32.5
85°	20.9	20.7	36.8	78.1	228.8	365.4	264.4	105.4	47.7	26.7	14.6
87.5°	5.8	5.7	8.0	27.1	55.7	84.6	45.2	17.3	13.4	10.5	4.3
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: P938712

CATALOG NUMBER: GALN-SB1A-722-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1	420.1
2.5°	421.5	422.5	424.2	425.6	427.3	429.3	432.0	433.8	435.5	436.7	435.9
5°	423.2	425.4	429.9	434.4	439.6	444.5	450.1	454.2	457.5	458.5	458.9
7.5°	427.1	430.6	438.2	445.8	454.2	462.2	470.4	477.4	483.1	485.2	485.4
10°	434.0	438.6	449.4	460.1	471.2	483.5	494.0	504.1	512.1	515.4	515.6
12.5°	442.5	448.4	462.4	477.2	492.6	509.6	523.2	535.7	545.6	550.1	550.1
15°	453.6	461.2	479.2	499.0	521.7	545.2	562.6	576.4	587.5	593.0	592.6
17.5°	465.7	475.9	498.5	528.5	560.8	591.8	612.1	622.2	633.7	639.0	638.8
20°	477.4	489.9	522.2	565.9	609.0	641.9	658.3	661.0	661.8	662.3	663.9
22.5°	489.5	506.3	552.0	613.0	659.2	682.0	684.4	672.7	656.3	648.7	650.8
25°	502.7	525.0	591.0	665.1	702.5	705.2	687.3	658.8	627.9	613.6	615.8
27.5°	515.6	546.6	637.8	714.8	733.7	709.7	671.1	630.8	593.4	578.4	580.1
30°	528.5	571.3	689.4	758.2	747.9	698.6	645.6	600.6	563.0	547.2	548.9
32.5°	541.5	600.2	748.9	789.6	745.4	675.0	613.8	566.7	533.5	517.0	519.1
35°	556.3	635.6	805.2	806.7	728.4	640.3	571.9	526.1	497.3	484.0	487.0
37.5°	575.6	680.7	854.9	811.0	698.8	589.5	519.9	478.2	454.4	448.4	452.7
40°	599.6	734.8	892.9	804.2	654.9	527.7	463.0	429.7	416.2	417.6	422.3
42.5°	630.8	795.4	919.6	786.7	593.9	464.0	413.1	398.3	404.7	410.2	415.3
45°	671.3	858.4	936.1	756.9	525.0	410.0	383.7	387.2	392.1	392.7	396.5
47.5°	723.1	922.1	947.0	711.8	454.6	372.0	365.0	365.8	364.8	360.7	363.8
50°	787.8	984.1	956.8	652.2	394.8	348.2	338.9	336.1	322.7	309.4	311.2
52.5°	861.5	1041.0	960.9	578.2	348.2	328.3	313.1	296.0	270.9	266.8	268.1
55°	943.3	1093.6	950.4	487.2	309.1	302.8	279.8	259.2	256.4	252.9	253.5
57.5°	1041.2	1150.3	928.9	385.6	268.9	273.0	250.6	252.9	248.1	242.6	241.6
60°	1148.1	1208.9	891.3	293.1	227.4	235.8	243.0	242.8	241.4	237.0	235.4
62.5°	1244.4	1247.5	817.3	224.5	191.0	206.9	226.6	226.4	225.3	222.7	221.8
65°	1301.7	1241.7	693.7	176.7	161.0	183.2	204.4	206.0	206.2	206.0	206.0
67.5°	1291.6	1173.3	524.2	140.7	136.2	159.0	182.4	184.5	186.1	186.5	186.9
70°	1177.0	1023.0	341.8	112.2	114.2	137.8	161.5	163.7	165.0	166.6	167.4
72.5°	917.4	752.2	195.6	90.8	94.9	119.5	140.9	143.4	144.2	147.1	148.3
75°	559.1	442.3	105.6	71.5	77.9	102.1	120.4	123.3	124.7	128.2	128.6
77.5°	265.8	191.6	60.2	55.7	62.7	83.4	101.7	105.0	101.3	103.3	101.7
80°	89.8	71.1	38.0	42.5	47.9	65.1	81.5	84.8	77.0	76.6	75.8
82.5°	31.4	28.8	24.2	28.3	31.0	46.6	61.6	65.9	57.3	57.1	54.4
85°	12.3	11.7	13.4	15.4	18.5	28.6	40.5	42.7	35.3	28.5	28.1
87.5°	2.5	2.7	3.3	3.5	5.7	9.9	14.6	17.9	14.2	12.1	11.1
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)