

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: P938719

Luminaire Tested: **GALN-SB1A-722-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938719  
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-SB1A-722-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

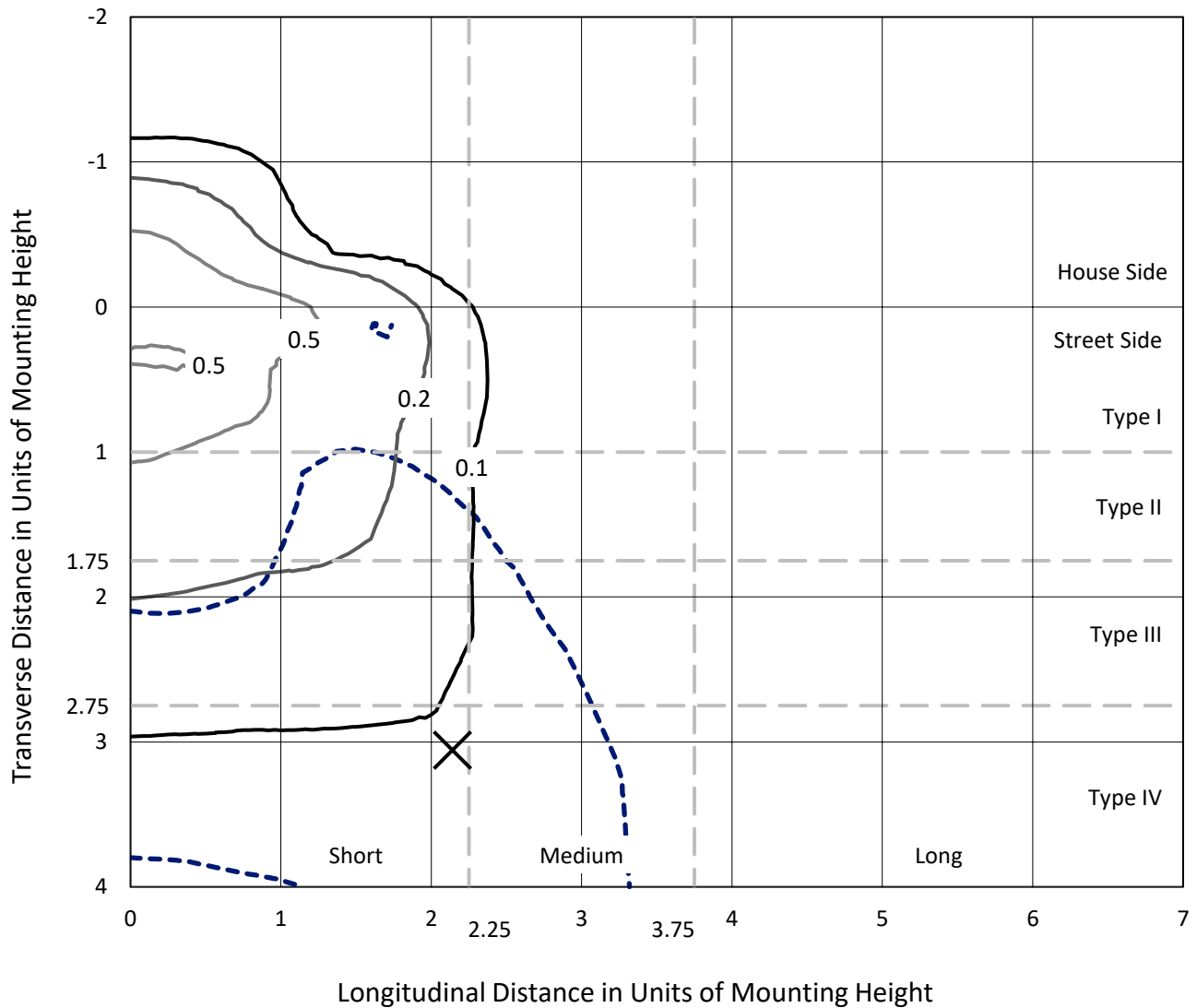
Lumens per Lamp: N/A  
Luminaire Lumens: 3664 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

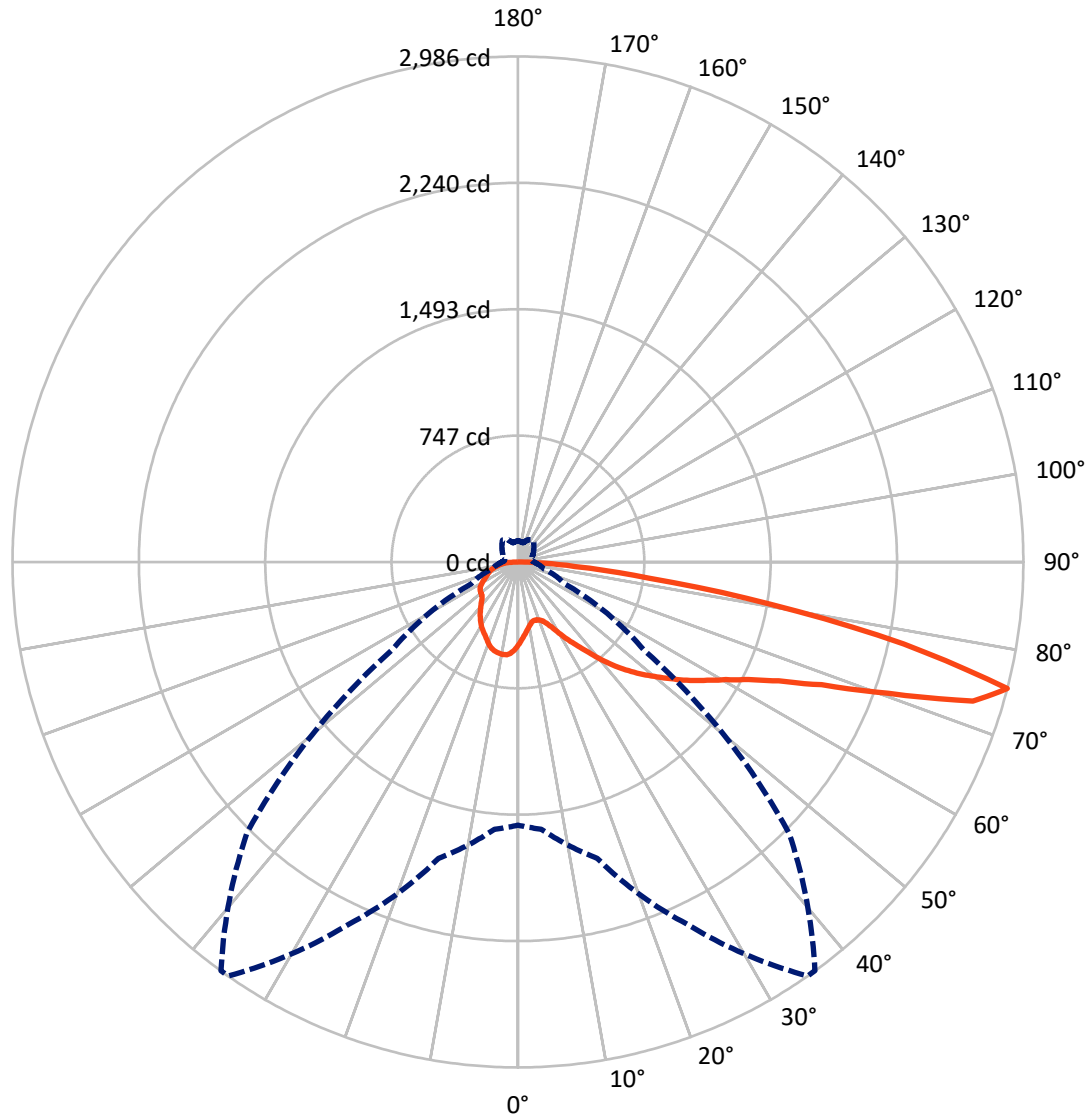
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	871.9	0.0	871.9
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	2792.1	0.0	2792.1
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	3664.0	0.0	3664.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.2	1.3
10°-20°	133.3	3.6
20°-30°	223.9	6.1
30°-40°	348.0	9.5
40°-50°	516.5	14.1
50°-60°	713.1	19.5
60°-70°	865.1	23.6
70°-80°	715.0	19.5
80°-90°	102.8	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°	3664.0	100.0
0°-180°	3664.0	100.0

**Coefficient of Utilization**



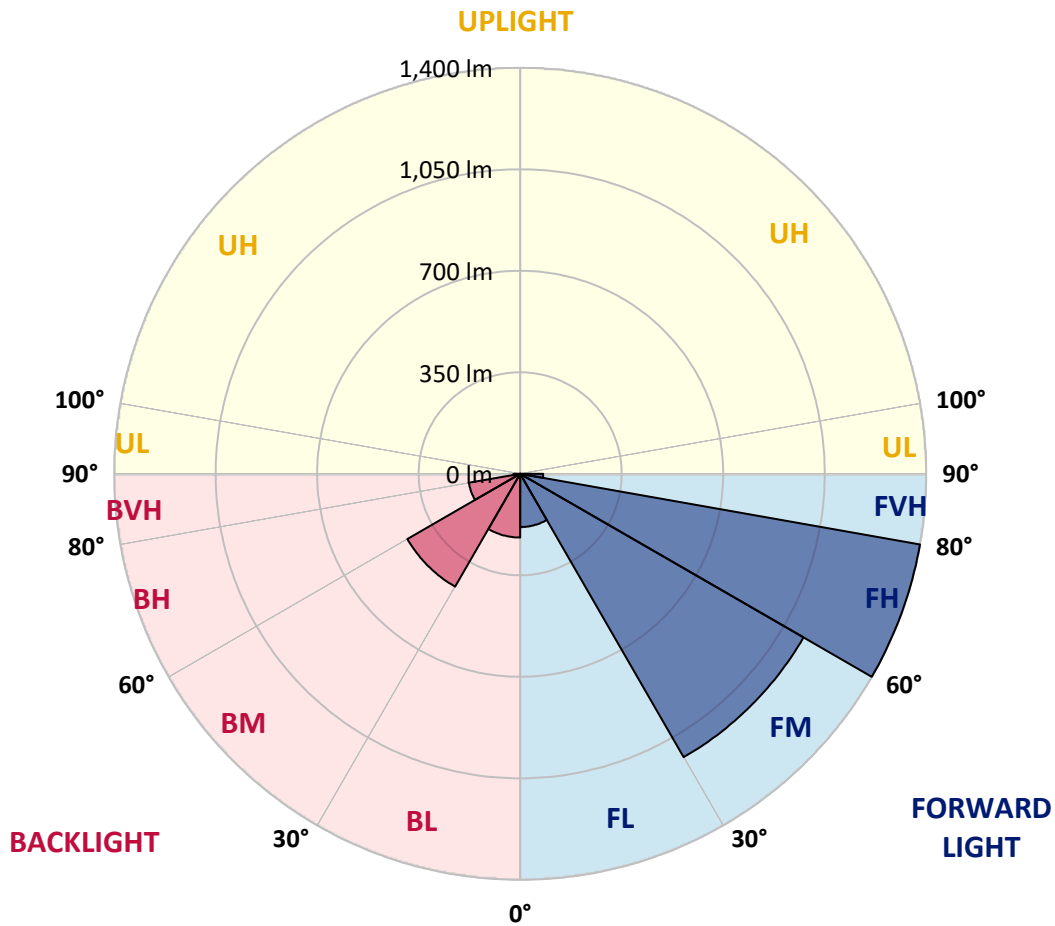
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.7	5.0			
FM (30°-60°)	1128.3	30.8			
FH (60°-80°)	1400.3	38.2			G1/1800
FVH (80°-90°)	79.7	2.2			G1/100
BL (0°-30°)	219.7	6.0	B1/500		
BM (30°-60°)	449.3	12.3	B1/1000		
BH (60°-80°)	179.8	4.9	B1/500		G1/500
BVH (80°-90°)	23.2	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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3
2.5°	450.2	453.0	454.2	453.6	456.6	456.2	460.3	465.5	472.6	479.5	489.6
5°	415.6	418.5	421.1	423.5	429.2	431.0	437.5	447.4	460.5	473.8	490.4
7.5°	383.3	385.8	389.8	394.2	403.9	405.7	416.5	432.0	450.2	469.6	492.6
10°	356.9	359.5	363.7	368.6	380.7	382.9	396.7	417.3	441.1	465.7	495.0
12.5°	345.6	346.4	348.8	353.8	364.3	365.6	380.9	404.5	432.2	462.7	498.6
15°	345.0	346.6	346.8	349.4	358.1	358.7	372.8	396.1	426.7	462.1	503.9
17.5°	351.0	352.2	350.4	352.0	359.3	360.3	371.4	392.2	424.9	464.7	513.0
20°	366.8	367.8	362.5	360.3	365.6	366.4	377.3	394.8	426.7	470.0	525.5
22.5°	400.5	401.1	388.0	379.1	379.5	379.9	389.4	405.3	433.6	479.7	541.3
25°	453.0	452.6	431.8	414.6	404.7	402.5	408.8	422.3	445.3	492.6	561.7
27.5°	514.4	511.4	490.6	464.9	443.3	440.1	438.7	444.5	461.9	509.6	586.7
30°	583.7	581.0	558.6	524.9	495.0	489.8	476.8	473.8	486.7	532.8	621.4
32.5°	659.8	658.0	631.3	590.5	550.4	544.5	522.5	514.6	524.7	567.9	669.7
35°	723.6	722.0	699.8	657.8	608.9	601.6	579.2	570.3	575.4	612.8	732.9
37.5°	781.2	780.4	761.4	728.3	677.8	668.9	643.7	640.8	639.8	672.1	809.5
40°	834.7	832.7	812.9	795.5	758.0	749.9	727.7	725.1	717.6	745.0	896.3
42.5°	893.9	888.8	860.0	851.9	841.8	835.1	821.8	822.2	805.6	827.2	988.2
45°	942.2	939.3	909.8	905.0	915.9	913.1	924.6	927.6	895.3	913.3	1083.7
47.5°	994.1	991.4	966.4	963.0	992.5	993.3	1033.9	1034.9	982.8	1002.8	1179.3
50°	1058.1	1054.2	1029.4	1033.6	1066.6	1069.6	1143.9	1137.1	1063.5	1093.8	1274.2
52.5°	1100.3	1102.7	1097.3	1104.1	1149.2	1152.0	1252.0	1234.8	1143.3	1183.5	1367.3
55°	1131.4	1136.2	1152.8	1168.2	1236.4	1239.2	1354.0	1327.7	1209.4	1266.7	1454.9
57.5°	1171.4	1164.7	1195.8	1225.9	1319.2	1326.5	1453.3	1417.2	1268.1	1338.4	1514.9
60°	1228.9	1224.1	1248.3	1292.8	1411.9	1423.6	1558.2	1497.8	1311.1	1395.2	1526.6
62.5°	1345.3	1333.4	1337.2	1376.6	1528.7	1544.2	1676.7	1568.2	1332.4	1417.4	1464.0
65°	1519.4	1499.0	1480.0	1507.3	1693.3	1708.6	1810.4	1623.4	1324.5	1374.4	1297.8
67.5°	1738.7	1718.5	1695.1	1720.9	1935.8	1947.9	1975.4	1654.5	1262.1	1208.8	1004.0
70°	1919.5	1912.0	1939.9	2045.9	2323.0	2323.4	2186.9	1628.8	1091.2	857.1	581.0
72.5°	1895.6	1891.0	2038.2	2365.8	2811.1	2800.6	2387.2	1433.9	735.1	386.6	217.7
75°	1555.1	1584.6	1812.6	2360.1	2986.4	2985.0	2264.6	911.5	304.0	160.2	112.5
77.5°	833.9	880.6	1176.8	1742.5	2331.3	2366.4	1592.1	318.9	130.5	102.6	77.8
80°	272.0	312.8	469.0	887.2	1514.9	1508.3	682.4	125.2	89.3	72.7	53.9
82.5°	115.5	120.2	209.6	418.9	777.4	765.4	217.3	71.9	62.8	49.7	33.3
85°	45.2	50.5	92.5	193.7	336.7	329.4	78.4	35.7	40.2	32.5	19.8
87.5°	14.9	18.0	33.1	66.4	104.8	101.0	19.2	12.3	17.4	14.9	7.1
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°	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3	488.3
2.5°	492.4	495.6	499.3	504.9	509.6	513.6	517.8	520.3	521.3	524.3	524.1
5°	496.0	502.9	512.2	521.3	530.2	535.6	540.3	542.7	544.9	546.5	546.9
7.5°	501.9	510.8	525.5	537.4	544.9	549.3	552.4	551.6	552.4	552.8	553.4
10°	507.1	519.5	537.0	548.3	554.0	554.2	553.4	550.6	549.3	549.5	549.9
12.5°	513.2	527.1	545.9	555.4	557.0	552.6	549.3	544.5	542.7	541.9	541.5
15°	521.5	537.4	555.6	559.2	555.2	549.7	543.9	536.2	532.2	529.1	530.0
17.5°	531.6	549.1	563.1	560.5	552.0	542.9	533.6	521.9	513.8	510.4	510.6
20°	545.7	561.3	568.9	557.6	544.7	530.8	515.0	500.7	493.2	489.8	489.4
22.5°	562.7	577.8	574.4	552.4	534.2	512.0	492.2	481.7	478.0	475.6	476.0
25°	583.1	596.0	578.4	544.9	517.0	487.1	471.8	468.4	466.7	464.9	464.9
27.5°	609.7	616.6	581.3	533.8	490.0	460.5	455.0	455.6	455.0	452.0	452.6
30°	644.7	643.3	584.1	515.8	459.1	436.6	437.0	439.5	439.9	437.9	438.9
32.5°	690.9	676.8	585.5	492.4	429.6	415.6	416.0	418.7	420.7	417.3	418.9
35°	746.7	715.8	583.3	463.1	406.8	395.6	392.6	393.4	394.0	390.8	393.0
37.5°	811.9	759.6	573.6	430.6	388.0	375.9	369.6	364.3	361.1	358.1	360.1
40°	883.4	807.4	555.8	398.9	367.0	355.1	345.6	335.5	324.8	320.9	322.7
42.5°	958.3	856.5	534.2	368.6	342.9	333.2	323.1	308.4	292.4	284.2	285.2
45°	1035.9	906.8	513.0	338.7	318.1	313.9	302.3	284.6	267.2	256.9	256.1
47.5°	1112.0	954.3	481.9	308.6	294.9	299.5	290.4	274.1	254.7	238.5	236.7
50°	1184.7	998.9	431.0	278.1	276.1	295.1	286.4	263.0	240.9	220.1	218.3
52.5°	1256.8	1034.9	365.8	250.4	266.0	293.9	281.3	255.5	228.4	206.6	204.2
55°	1318.0	1053.6	303.1	226.6	251.4	283.8	275.1	246.6	210.8	187.6	185.6
57.5°	1352.8	1038.5	250.8	203.2	231.2	267.2	264.6	227.6	189.8	171.9	169.6
60°	1337.8	977.5	208.0	182.8	211.9	249.2	246.4	208.8	173.7	156.9	154.5
62.5°	1254.8	861.2	174.1	165.0	194.5	230.8	228.2	194.3	161.4	145.2	142.6
65°	1087.6	700.6	147.8	150.1	176.9	208.6	212.3	182.2	151.7	135.9	133.3
67.5°	829.5	507.5	127.2	137.3	159.6	186.8	197.7	173.5	143.6	128.6	126.2
70°	472.8	288.2	109.7	124.8	144.4	166.6	186.4	166.6	134.9	122.4	120.8
72.5°	179.3	132.3	94.9	112.3	129.7	149.5	173.9	155.7	124.8	115.5	113.9
75°	95.7	80.6	79.8	97.7	112.9	132.9	158.3	145.0	117.3	122.0	126.0
77.5°	65.2	57.0	66.8	83.6	94.5	114.5	141.6	128.7	101.6	101.2	93.3
80°	45.2	40.4	54.3	67.3	73.1	96.3	123.6	110.5	82.8	77.2	73.9
82.5°	27.1	26.3	40.6	50.3	51.7	74.3	102.4	92.7	67.7	59.0	59.4
85°	14.9	15.6	25.9	29.5	30.1	51.9	80.2	71.7	52.1	43.8	44.2
87.5°	4.2	5.3	9.5	11.7	14.5	26.9	47.7	42.6	26.1	18.2	18.2
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)