

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: P526237

Luminaire Tested: **GALN-SA1A-830-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-830-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH
BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2169 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 33
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

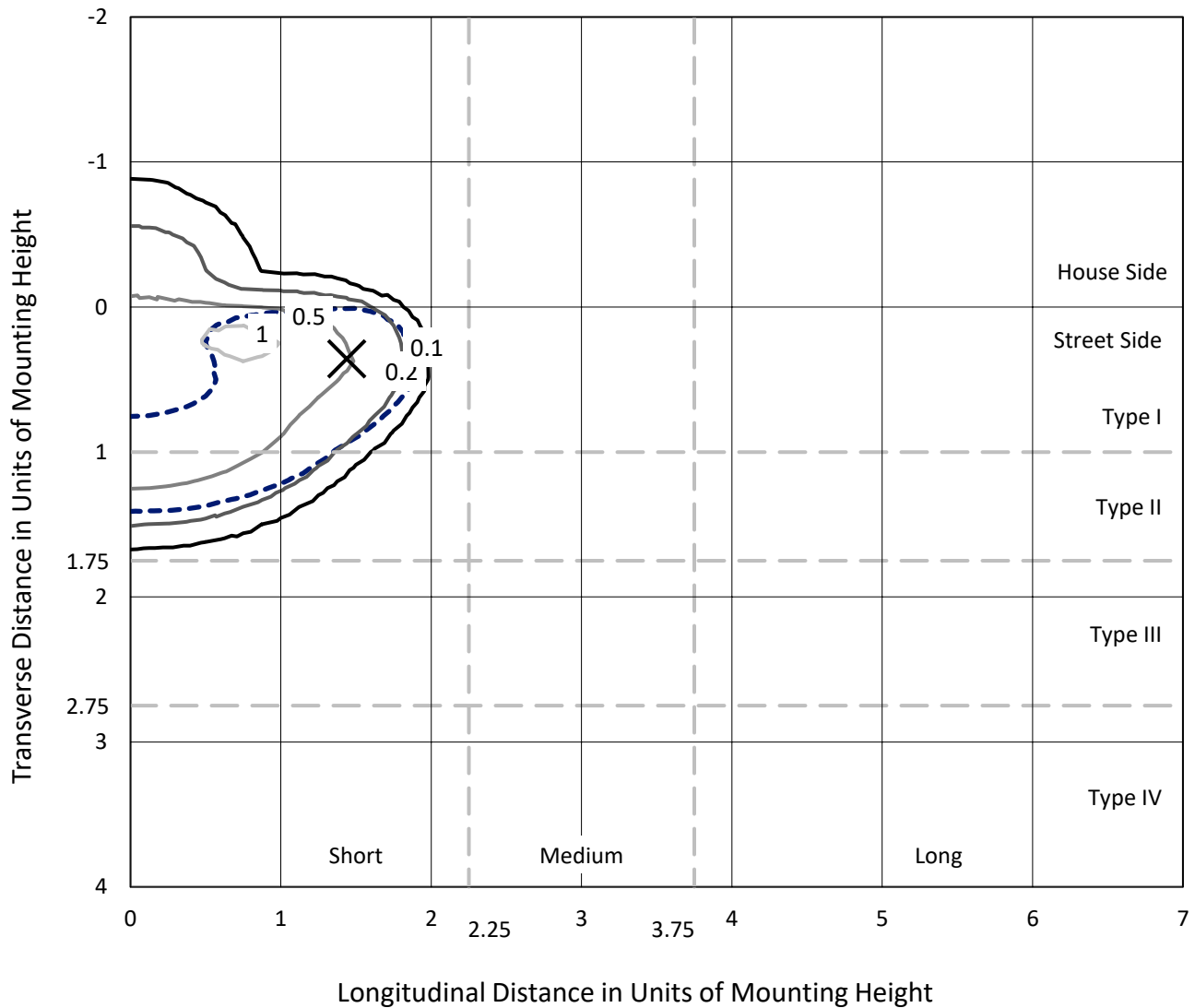


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Iso-Footcandle Lines of Horizontal Illumination

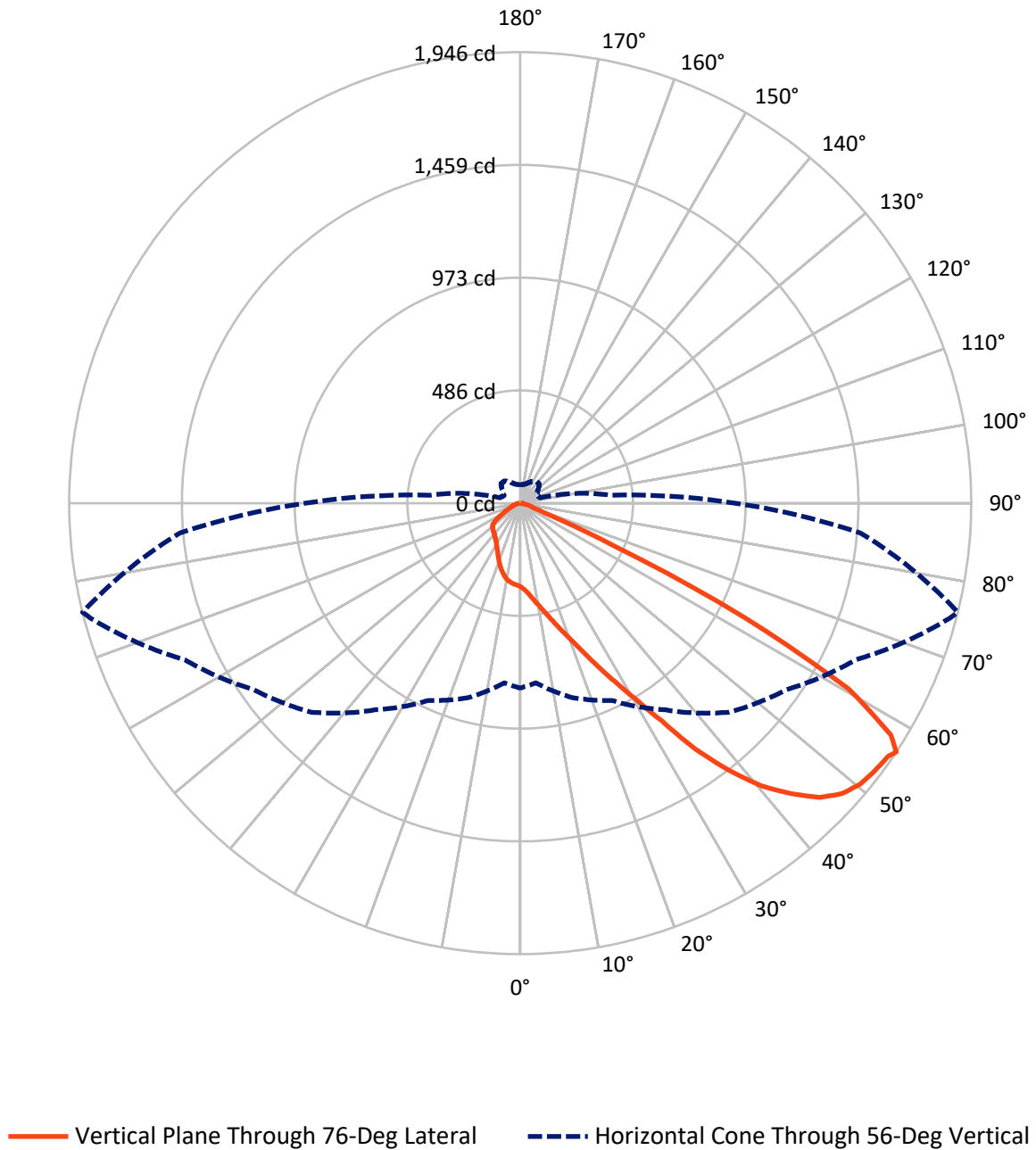
✕ Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	340.7	0.0	340.7
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	1828.3	0.0	1828.3
	% Fixture	84.3	0.0	84.3
Total	Lumens	2169.0	0.0	2169.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	1.7
10°-20°	116.8	5.4
20°-30°	211.9	9.8
30°-40°	365.4	16.8
40°-50°	593.5	27.4
50°-60°	625.6	28.8
60°-70°	191.2	8.8
70°-80°	24.5	1.1
80°-90°	3.7	0.2
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°	2169.0	100.0
0°-180°	2169.0	100.0

Coefficient of Utilization



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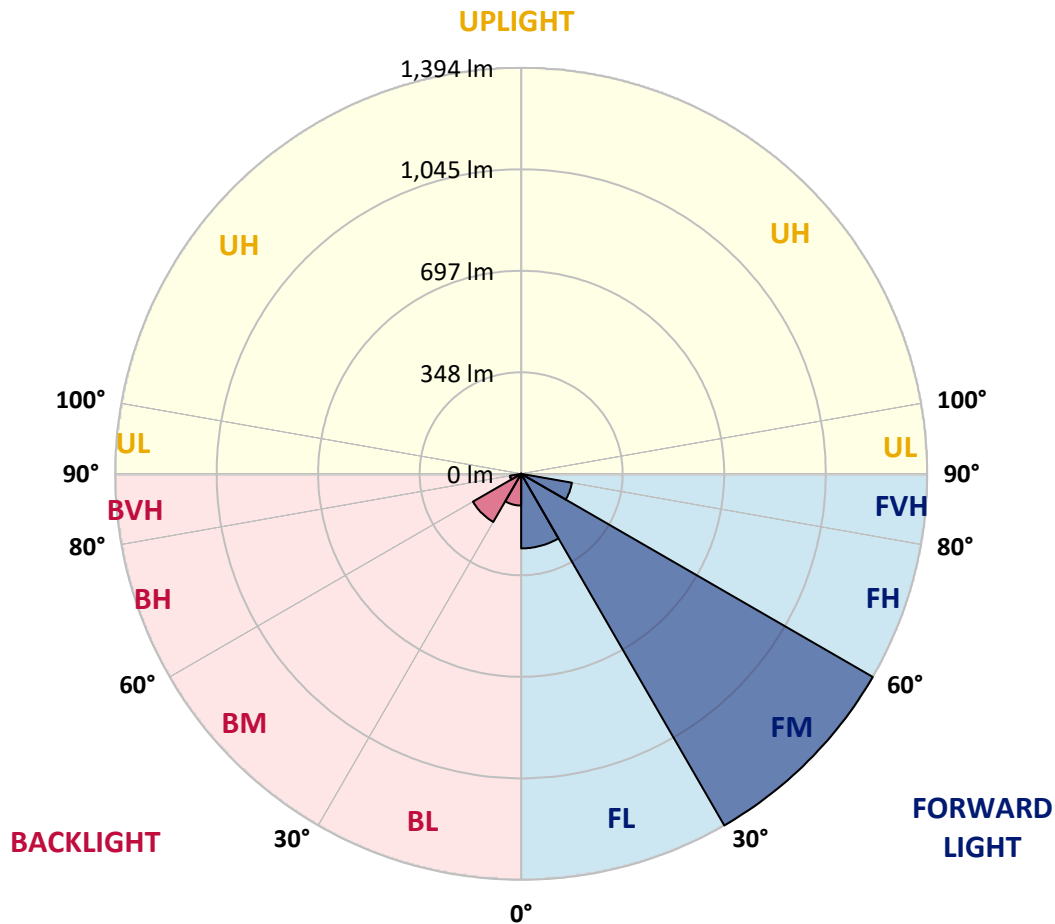
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	256.1	11.8			
FM	(30°-60°)	1393.6	64.2			
FH	(60°-80°)	176.8	8.2			G0/660
FVH	(80°-90°)	1.8	0.1			G0/10
BL	(0°-30°)	109.0	5.0	B0/110		
BM	(30°-60°)	191.0	8.8	B0/220		
BH	(60°-80°)	38.9	1.8	B0/110		G0/110
BVH	(80°-90°)	1.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0
2.5°	415.8	406.2	406.6	405.8	404.6	400.2	387.0	385.0	376.2	373.8	365.8
5°	465.8	457.4	462.2	455.0	448.2	444.2	422.6	412.6	398.6	393.4	382.2
7.5°	497.0	493.0	491.4	491.8	485.4	475.4	465.8	443.8	425.0	421.0	397.4
10°	512.2	509.8	512.2	511.0	513.8	515.0	498.2	485.0	457.4	450.6	413.8
12.5°	515.8	520.6	522.6	527.8	534.6	546.1	544.9	527.0	490.2	485.8	439.0
15°	524.6	528.6	526.6	535.0	547.7	567.3	577.7	574.9	535.4	527.4	468.2
17.5°	532.6	525.4	532.2	548.9	561.7	591.7	616.9	628.5	584.5	575.3	495.0
20°	543.3	541.4	540.2	548.5	571.3	611.3	661.3	682.5	639.7	630.1	533.4
22.5°	576.1	576.5	575.7	563.3	579.7	624.9	700.1	752.5	705.7	697.7	576.9
25°	619.3	614.1	610.1	600.1	598.1	637.3	739.3	838.0	784.8	779.2	624.1
27.5°	664.9	664.9	652.9	643.7	630.9	668.1	775.2	921.2	880.4	872.8	665.3
30°	714.5	717.3	715.7	696.1	688.1	701.7	812.0	1027.5	989.9	980.3	733.3
32.5°	787.6	781.6	788.4	772.0	748.5	760.4	870.0	1122.7	1132.3	1118.7	822.4
35°	884.4	880.8	876.4	849.6	821.6	831.2	952.0	1239.8	1311.0	1304.2	912.4
37.5°	971.2	969.2	965.6	947.2	914.8	926.4	1045.1	1361.8	1485.3	1462.9	1039.5
40°	1062.3	1073.1	1061.5	1045.1	1015.5	1041.1	1154.7	1434.1	1632.0	1604.9	1136.7
42.5°	1185.9	1177.5	1182.7	1152.7	1136.7	1164.7	1264.6	1506.5	1746.0	1713.6	1239.8
45°	1317.4	1317.8	1303.8	1294.2	1252.6	1283.0	1332.2	1546.5	1836.8	1811.6	1317.8
47.5°	1401.8	1401.4	1416.5	1431.7	1389.0	1359.0	1378.2	1584.5	1883.5	1871.9	1346.2
50°	1388.6	1392.6	1412.1	1468.9	1491.3	1450.9	1421.3	1573.3	1904.7	1903.5	1370.6
52.5°	1207.8	1221.0	1253.8	1335.8	1448.5	1498.5	1466.5	1594.1	1915.1	1917.1	1407.0
55°	919.6	926.8	989.1	1088.7	1213.4	1384.6	1448.5	1610.5	1923.1	1926.7	1450.9
56°	797.6	778.4	868.4	939.2	1088.3	1275.4	1403.0	1597.7	1918.3	1945.9	1472.9
57.5°	602.1	589.3	662.1	750.5	894.0	1091.5	1261.4	1537.3	1885.9	1885.5	1441.3
60°	366.2	353.4	409.4	461.4	541.7	672.1	852.4	1224.2	1594.5	1628.0	1167.1
62.5°	217.9	225.9	281.1	312.7	338.6	352.2	441.0	727.7	1063.9	1087.9	724.1
65°	145.1	147.9	189.5	241.5	253.1	201.5	179.5	294.7	461.4	446.6	298.7
67.5°	89.6	96.0	127.1	181.5	201.1	147.1	85.2	109.9	127.1	127.1	86.4
70°	54.4	57.6	84.8	123.5	137.9	94.8	62.0	62.0	61.2	60.0	51.6
72.5°	26.0	28.0	43.2	63.6	64.8	50.0	48.0	52.4	51.2	50.8	42.8
75°	11.2	12.0	15.2	20.0	22.8	21.2	29.2	37.6	38.8	37.6	30.8
77.5°	3.6	4.0	5.6	7.2	7.6	9.2	12.4	15.6	18.0	16.8	15.2
80°	0.4	0.8	1.6	3.6	5.6	7.2	9.2	10.4	11.6	11.6	10.8
82.5°	0.4	0.4	1.6	3.2	5.2	6.8	8.8	10.0	11.6	12.0	11.2
85°	0.0	0.4	1.2	2.8	4.4	4.4	4.0	4.0	2.8	2.8	2.8
87.5°	0.0	0.0	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8
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°	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0	361.0
2.5°	364.2	363.4	352.6	345.8	342.2	335.0	330.6	327.4	325.0	322.3	322.7
5°	369.0	366.2	348.2	335.8	321.1	313.1	306.3	300.7	297.1	296.3	294.7
7.5°	382.6	367.8	340.6	318.3	299.5	291.5	285.5	281.9	283.5	279.9	282.7
10°	393.0	371.0	331.4	299.1	280.3	274.3	271.1	273.9	277.9	276.3	274.3
12.5°	405.8	374.2	316.7	280.7	263.1	258.7	264.3	269.5	277.5	280.7	276.7
15°	420.2	377.8	297.9	259.5	248.3	251.9	261.5	270.7	278.7	282.7	285.1
17.5°	437.8	376.6	279.5	242.7	234.3	244.7	256.3	264.7	276.7	282.7	281.1
20°	454.2	372.6	259.1	225.9	226.3	235.9	245.5	259.1	265.5	273.5	270.7
22.5°	469.8	365.4	237.9	214.3	214.3	229.1	233.9	242.7	248.3	252.3	251.9
25°	491.8	351.8	220.3	203.1	207.9	217.5	221.5	224.3	221.9	225.1	225.5
27.5°	507.4	337.8	205.9	193.1	201.9	209.1	207.9	206.3	200.7	196.3	199.1
30°	524.2	321.5	193.5	186.3	191.1	197.5	192.7	187.9	179.1	171.9	172.3
32.5°	548.1	313.9	182.7	178.3	184.7	185.5	180.3	173.1	164.3	157.5	157.1
35°	592.9	309.1	173.5	173.1	174.3	174.7	169.5	160.7	157.1	151.5	153.5
37.5°	637.7	306.7	167.1	165.5	165.1	165.5	159.5	151.1	157.9	157.5	158.3
40°	694.9	317.5	157.9	155.9	156.3	156.3	148.7	146.3	158.3	159.5	159.9
42.5°	752.9	331.0	151.9	145.5	147.1	147.1	143.1	140.3	148.7	140.7	139.5
45°	803.2	351.0	145.5	135.1	139.1	141.1	139.9	135.1	129.9	116.3	116.3
47.5°	819.6	368.6	137.9	125.1	128.3	137.1	133.5	123.5	114.3	103.2	102.4
50°	848.4	387.8	131.9	113.5	120.3	131.1	127.5	117.5	107.2	99.2	99.6
52.5°	878.0	409.8	120.7	100.0	108.3	126.3	126.3	115.1	99.2	93.6	92.8
55°	922.4	409.0	100.8	82.0	96.8	119.1	121.1	103.2	88.8	84.4	84.4
56°	928.8	390.6	90.8	76.8	91.6	117.1	117.5	100.0	84.8	80.0	80.0
57.5°	880.8	352.6	79.6	70.4	85.2	113.5	113.9	97.2	81.6	74.8	74.0
60°	677.7	238.7	66.4	62.8	77.2	102.4	104.4	88.4	71.6	66.4	66.0
62.5°	382.6	132.3	58.4	56.8	66.4	87.2	93.2	77.2	60.8	58.0	58.8
65°	174.7	72.8	49.2	46.0	53.6	67.2	75.2	63.6	50.0	46.8	46.8
67.5°	64.0	49.6	42.0	36.4	37.6	43.6	48.8	41.2	33.2	28.4	29.6
70°	45.6	41.6	36.8	31.6	29.2	28.4	28.0	23.2	16.4	12.8	13.6
72.5°	36.8	34.4	30.8	26.8	22.8	19.2	16.4	12.0	7.6	5.2	4.8
75°	26.4	25.2	22.4	19.2	16.0	13.6	11.2	7.6	4.0	2.0	2.0
77.5°	13.6	13.6	13.2	12.0	10.0	8.0	6.4	4.4	2.4	0.8	0.8
80°	10.4	11.2	11.6	10.4	9.2	7.2	5.2	3.2	1.6	0.4	0.4
82.5°	10.0	11.6	12.4	10.8	9.2	6.8	5.2	3.2	1.6	0.4	0.4
85°	2.4	2.4	3.6	4.0	5.2	5.6	4.4	2.8	1.2	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.0
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)