

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: P527983

Luminaire Tested: **GALN-SA3A-735-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-735-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7594 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

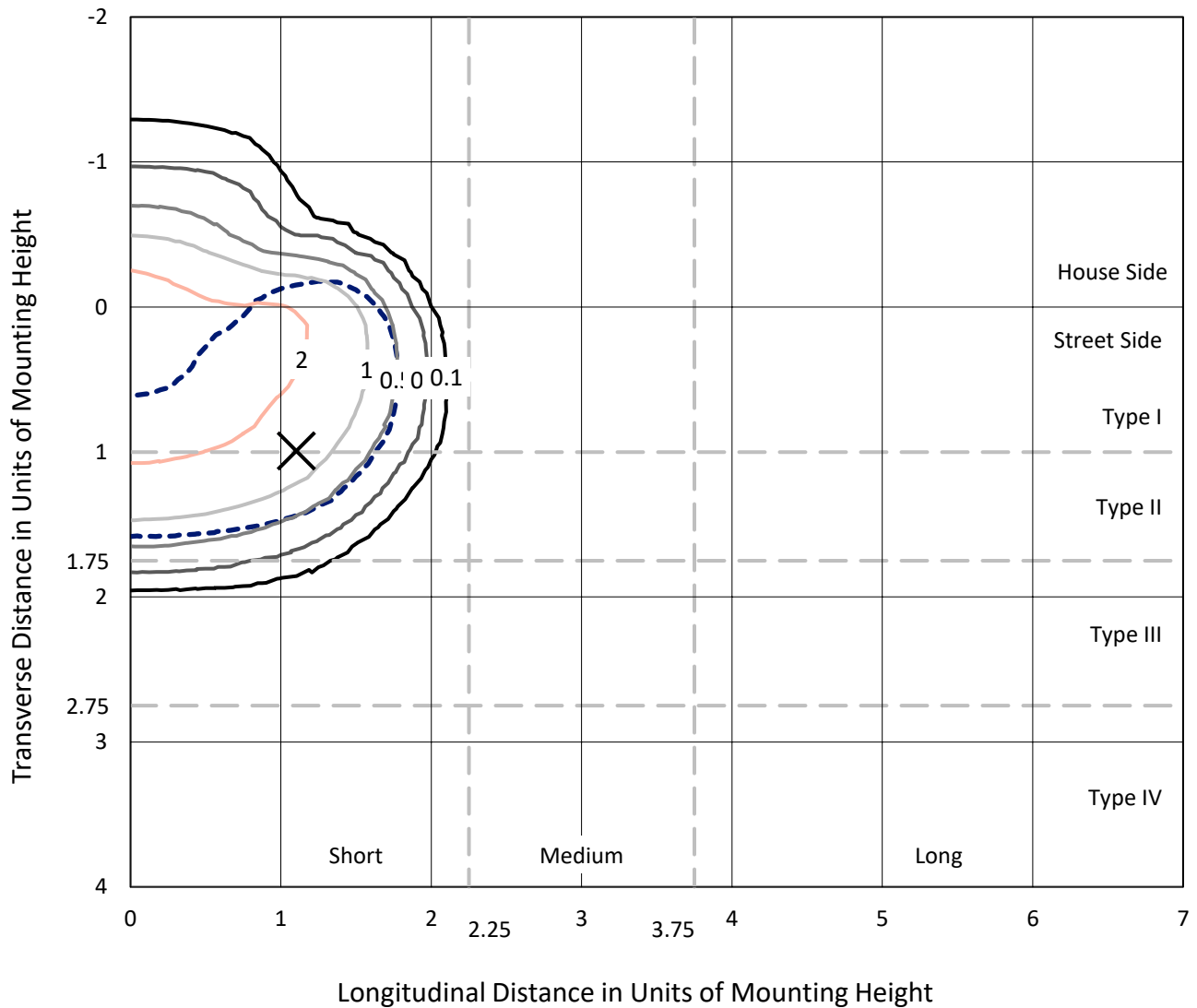
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527983
 CATALOG NUMBER: GALN-SA3A-735-U-T3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

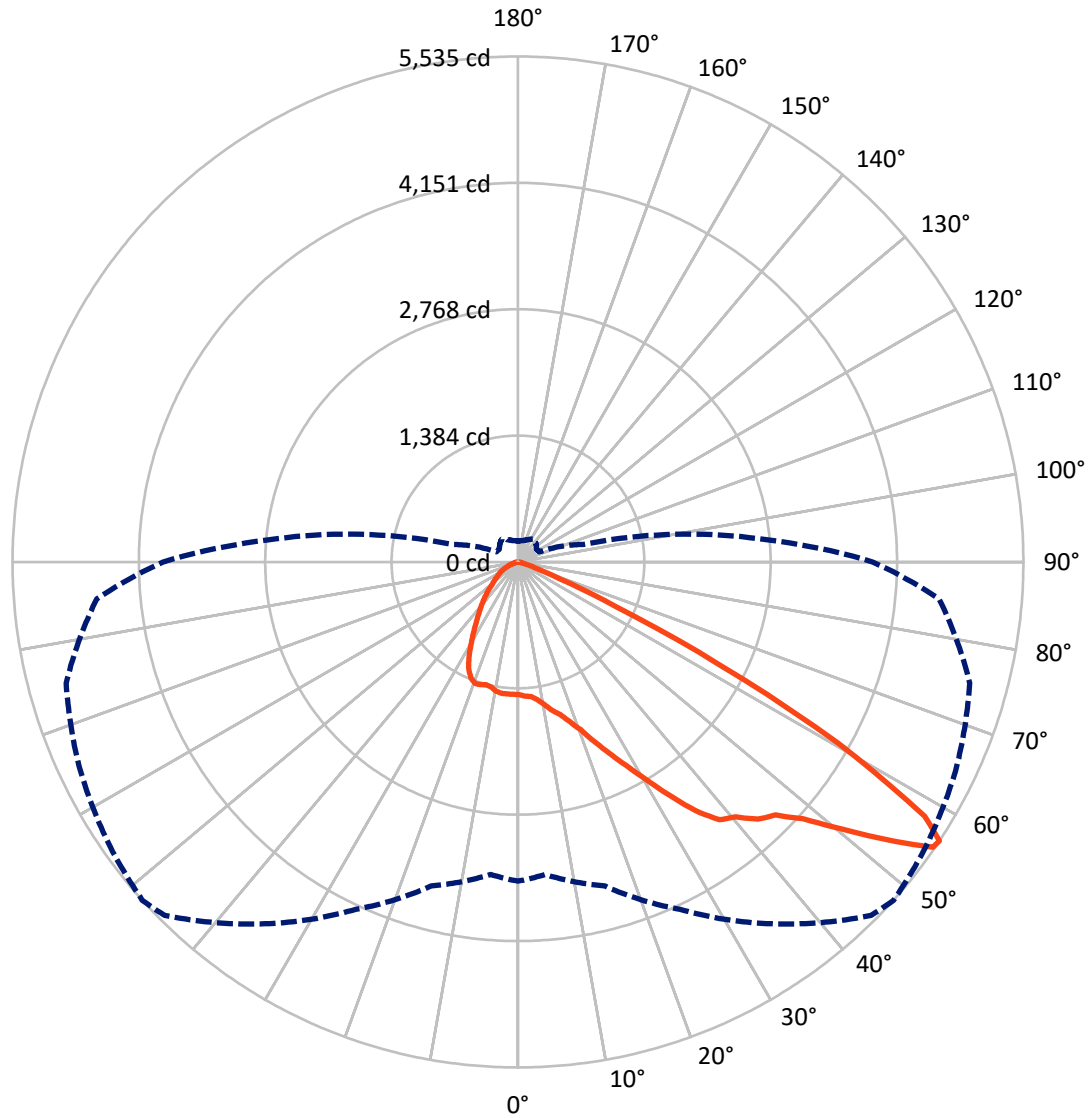
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - N/A

REPORT NUMBER: P527983
CATALOG NUMBER: GALN-SA3A-735-U-T3-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P527983
 CATALOG NUMBER: GALN-SA3A-735-U-T3-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1651.6	0.0	1651.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	5942.5	0.0	5942.5
	% Fixture	78.3	0.0	78.3
Total	Lumens	7594.0	0.0	7594.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.3	1.9
10°-20°	451.5	5.9
20°-30°	819.0	10.8
30°-40°	1286.5	16.9
40°-50°	1876.8	24.7
50°-60°	2261.1	29.8
60°-70°	662.0	8.7
70°-80°	84.0	1.1
80°-90°	11.8	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°	7594.0	100.0
0°-180°	7594.0	100.0

Coefficient of Utilization

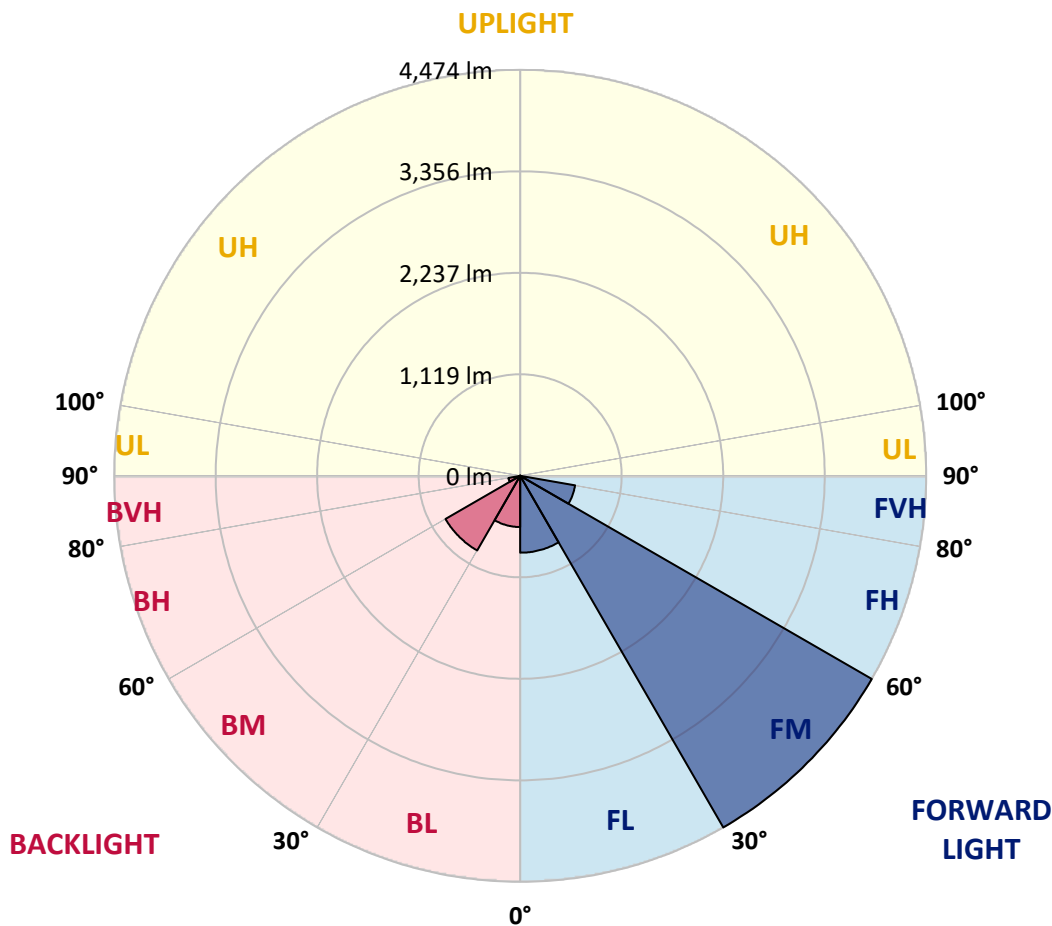


REPORT NUMBER: P527983
 CATALOG NUMBER: GALN-SA3A-735-U-T3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	847.3	11.2			
FM (30°-60°)	4474.4	58.9			
FH (60°-80°)	614.8	8.1			G0/660
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	564.5	7.4	B2/1000		
BM (30°-60°)	950.0	12.5	B1/1000		
BH (60°-80°)	131.2	1.7	B1/500		G1/500
BVH (80°-90°)	5.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





REPORT NUMBER: P527983

CATALOG NUMBER: GALN-SA3A-735-U-T3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	1450.5	1450.5	1450.5	1450.5	1450.5	1450.5	1450.5	1450.5	1450.5	1450.5	1450.5
2.5°	1476.7	1469.8	1469.8	1458.8	1471.2	1465.7	1469.8	1456.0	1469.8	1449.1	1465.7
5°	1483.6	1485.0	1479.5	1486.4	1486.4	1494.7	1480.9	1493.3	1500.2	1485.0	1478.1
7.5°	1519.6	1522.4	1521.0	1515.4	1526.5	1525.1	1523.7	1514.1	1516.8	1511.3	1503.0
10°	1590.1	1588.7	1595.6	1581.8	1573.5	1583.2	1586.0	1570.8	1559.7	1555.5	1529.3
12.5°	1692.4	1675.8	1666.2	1652.3	1656.5	1642.7	1667.5	1641.3	1635.7	1610.9	1584.6
15°	1775.4	1772.6	1774.0	1751.9	1727.0	1732.5	1732.5	1718.7	1710.4	1680.0	1642.7
17.5°	1945.5	1887.4	1899.8	1872.2	1851.4	1850.1	1837.6	1840.4	1818.3	1754.7	1698.0
20°	2078.2	2053.3	2034.0	1986.9	1955.1	1964.8	1959.3	1945.5	1938.6	1855.6	1775.4
22.5°	2197.1	2205.4	2173.6	2161.2	2116.9	2121.1	2132.1	2119.7	2067.1	1981.4	1862.5
25°	2364.4	2354.7	2311.9	2296.7	2255.2	2270.4	2313.3	2303.6	2270.4	2115.5	1930.3
27.5°	2562.2	2529.0	2537.3	2468.1	2428.0	2470.9	2522.1	2570.4	2476.4	2273.2	2010.5
30°	2701.8	2667.2	2664.5	2661.7	2652.0	2701.8	2761.3	2805.5	2729.5	2430.8	2143.2
32.5°	2770.9	2779.2	2802.7	2794.4	2878.8	2981.1	3043.3	3106.9	3011.5	2688.0	2318.8
35°	2954.8	2902.3	2954.8	2960.4	3047.5	3264.6	3343.4	3495.5	3472.0	3051.6	2533.1
37.5°	3062.7	3058.5	3065.5	3118.0	3202.3	3470.6	3582.6	3700.1	3655.9	3270.1	2800.0
40°	3241.1	3252.1	3250.7	3290.8	3383.5	3625.5	3671.1	3766.5	3770.6	3572.9	3192.7
42.5°	3527.3	3483.0	3454.0	3495.5	3625.5	3759.6	3850.8	3831.5	3968.4	3940.7	3697.4
45°	3784.5	3810.7	3767.9	3837.0	3884.0	3955.9	3953.2	3994.6	4168.9	4300.2	4077.6
47.5°	4025.1	4041.6	4062.4	4109.4	4211.7	4222.8	4199.3	4181.3	4421.9	4557.4	4372.1
50°	4168.9	4184.1	4280.9	4365.2	4556.0	4580.9	4594.7	4549.1	4712.3	4727.5	4650.0
52.5°	4130.1	4146.7	4282.2	4560.2	4864.4	5092.5	5051.0	4973.6	4963.9	5023.4	4907.2
55°	3787.2	3772.0	3958.7	4391.5	4961.1	5508.7	5514.2	5432.6	5276.4	5236.3	4868.5
56°	3495.5	3436.0	3673.8	4196.5	4836.7	5472.7	5535.0	5447.9	5301.3	5121.5	4629.3
57.5°	2863.6	2920.3	3156.7	3589.5	4406.7	5214.2	5250.1	5229.4	5118.8	4817.3	4073.4
60°	1579.0	1678.6	1887.4	2417.0	3137.4	4001.5	4030.6	4199.3	4220.0	3689.1	2802.7
62.5°	670.6	659.6	876.6	1266.6	1786.5	2415.6	2469.5	2642.3	2674.2	2126.6	1406.2
65°	272.4	287.6	396.8	637.4	944.4	1100.6	1176.7	1233.4	1338.5	878.0	518.5
67.5°	179.8	178.4	233.7	363.7	508.8	490.9	490.9	518.5	479.8	358.1	224.0
70°	128.6	132.7	167.3	251.7	316.6	235.1	225.4	215.7	244.7	236.4	181.1
72.5°	84.3	89.9	112.0	150.7	164.5	128.6	128.6	154.9	201.9	190.8	147.9
75°	55.3	56.7	69.1	87.1	81.6	66.4	73.3	103.7	146.6	141.0	105.1
77.5°	37.3	38.7	47.0	56.7	45.6	37.3	40.1	52.5	71.9	71.9	55.3
80°	13.8	15.2	19.4	18.0	20.7	26.3	29.0	36.0	42.9	42.9	37.3
82.5°	0.0	1.4	4.1	9.7	15.2	20.7	23.5	27.7	31.8	36.0	34.6
85°	0.0	1.4	4.1	6.9	11.1	12.4	13.8	9.7	8.3	8.3	6.9
87.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	2.8	1.4	1.4
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: P527983

CATALOG NUMBER: GALN-SA3A-735-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1450.5	1450.5	1450.5	1450.5	1450.5	1450.5	1450.5	1450.5	1450.5	1450.5	1450.5
2.5°	1450.5	1449.1	1449.1	1444.9	1453.2	1449.1	1451.8	1450.5	1432.5	1446.3	1436.6
5°	1465.7	1475.3	1460.1	1457.4	1446.3	1450.5	1450.5	1436.6	1449.1	1447.7	1444.9
7.5°	1504.4	1487.8	1471.2	1454.6	1451.8	1447.7	1432.5	1427.0	1436.6	1425.6	1442.2
10°	1521.0	1523.7	1498.9	1476.7	1456.0	1427.0	1406.2	1393.8	1378.6	1395.1	1404.8
12.5°	1597.0	1569.4	1526.5	1491.9	1421.4	1392.4	1371.6	1366.1	1392.4	1397.9	1388.2
15°	1623.3	1619.1	1563.8	1486.4	1413.1	1378.6	1382.7	1371.6	1374.4	1360.6	1363.3
17.5°	1677.2	1630.2	1565.2	1468.4	1411.7	1403.4	1378.6	1334.3	1309.4	1298.4	1308.0
20°	1736.7	1691.0	1597.0	1475.3	1424.2	1402.1	1320.5	1266.6	1215.4	1187.7	1189.1
22.5°	1789.2	1732.5	1583.2	1478.1	1435.2	1344.0	1245.8	1139.3	1075.7	1032.9	1034.3
25°	1852.8	1772.6	1588.7	1483.6	1406.2	1251.3	1110.3	1006.6	930.6	901.5	911.2
27.5°	1888.8	1797.5	1619.1	1496.1	1330.2	1120.0	967.9	871.1	826.9	813.0	811.6
30°	1996.6	1852.8	1656.5	1471.2	1203.0	979.0	837.9	778.5	735.6	723.2	725.9
32.5°	2157.0	1953.8	1704.9	1406.2	1073.0	853.1	753.6	709.3	669.2	645.7	643.0
35°	2291.1	2126.6	1756.0	1305.3	922.3	756.3	694.1	638.8	578.0	551.7	544.8
37.5°	2546.9	2321.6	1745.0	1153.2	778.5	684.4	630.5	562.8	510.2	474.3	470.1
40°	2887.1	2549.7	1691.0	967.9	672.0	620.8	562.8	497.8	432.8	402.4	399.6
42.5°	3300.5	2829.0	1592.9	779.8	565.5	557.2	504.7	430.0	371.9	349.8	351.2
45°	3636.5	3068.2	1493.3	626.4	486.7	495.0	449.4	378.9	338.8	320.8	320.8
47.5°	3935.2	3230.0	1385.5	517.1	413.4	432.8	392.7	351.2	316.6	302.8	300.0
50°	4222.8	3394.5	1277.6	419.0	352.6	371.9	367.8	334.6	307.0	290.4	291.8
52.5°	4402.5	3420.8	1140.7	342.9	308.3	330.5	344.3	313.9	283.5	273.8	271.0
55°	4182.7	3082.0	884.9	282.1	261.3	290.4	316.6	282.1	258.6	242.0	240.6
56°	3886.8	2755.7	739.7	259.9	247.5	279.3	307.0	269.6	243.4	233.7	226.8
57.5°	3290.8	2255.2	546.2	230.9	229.5	259.9	291.8	257.2	226.8	218.5	218.5
60°	2051.9	1269.3	330.5	193.6	199.1	230.9	262.7	229.5	201.9	201.9	206.0
62.5°	934.7	528.2	200.5	164.5	171.5	199.1	233.7	207.4	192.2	207.4	210.2
65°	318.0	228.1	145.2	131.4	135.5	164.5	200.5	210.2	208.8	218.5	224.0
67.5°	178.4	146.6	121.7	109.2	106.5	121.7	164.5	210.2	201.9	197.7	200.5
70°	150.7	124.4	107.9	96.8	92.6	98.2	127.2	159.0	142.4	138.3	135.5
72.5°	121.7	103.7	94.0	87.1	74.7	63.6	58.1	60.8	67.8	71.9	78.8
75°	85.7	78.8	78.8	70.5	53.9	40.1	31.8	26.3	18.0	12.4	13.8
77.5°	48.4	48.4	49.8	42.9	34.6	26.3	19.4	13.8	6.9	2.8	1.4
80°	33.2	36.0	38.7	34.6	29.0	23.5	16.6	9.7	4.1	0.0	0.0
82.5°	33.2	37.3	40.1	34.6	29.0	22.1	16.6	9.7	4.1	1.4	0.0
85°	6.9	8.3	9.7	11.1	16.6	16.6	12.4	8.3	4.1	1.4	0.0
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	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)