

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: P528217

Luminaire Tested: **GALN-SA3B-735-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528217
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-SA3B-735-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA 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: 9450 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

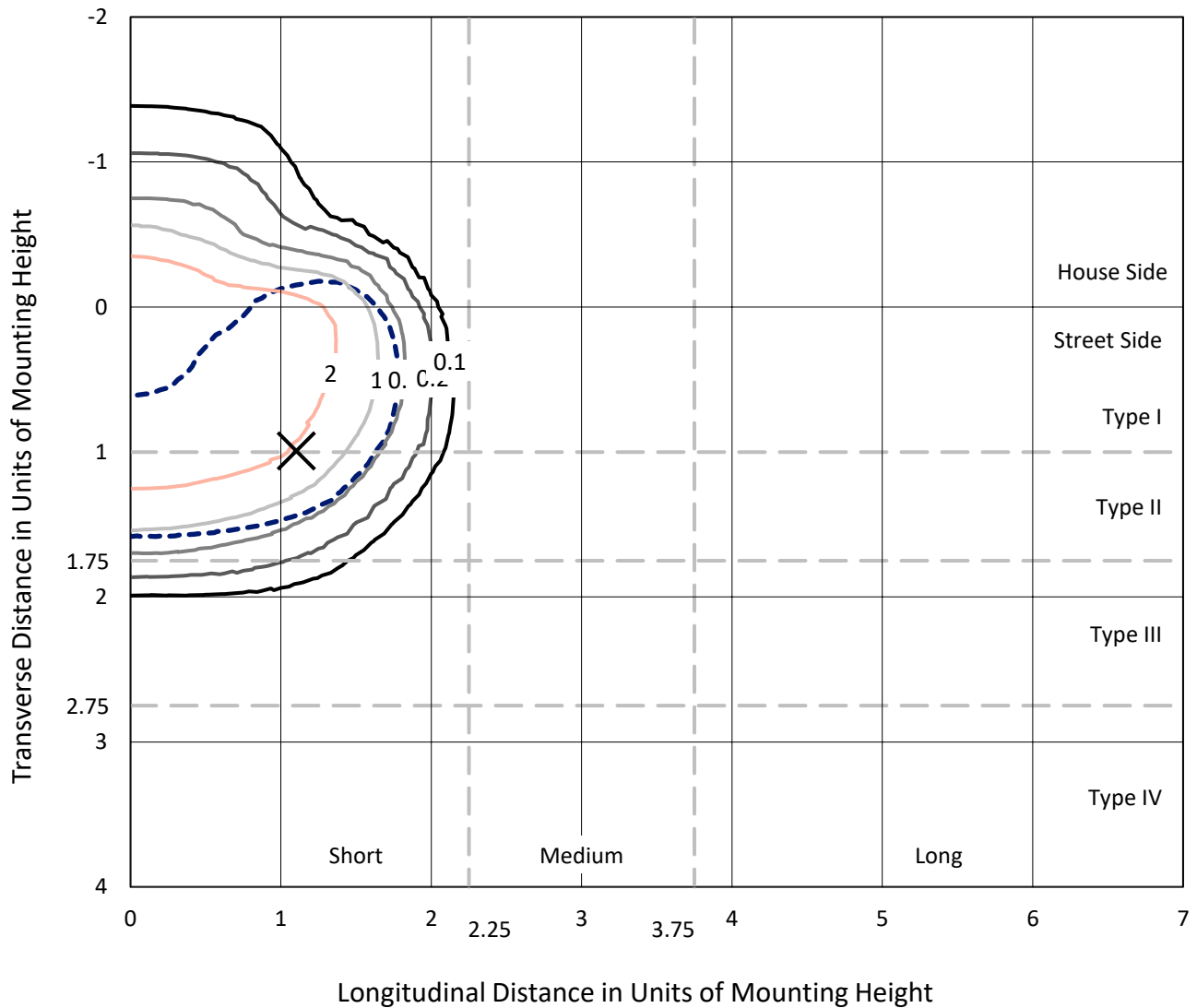
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528217
 CATALOG NUMBER: GALN-SA3B-735-U-T3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

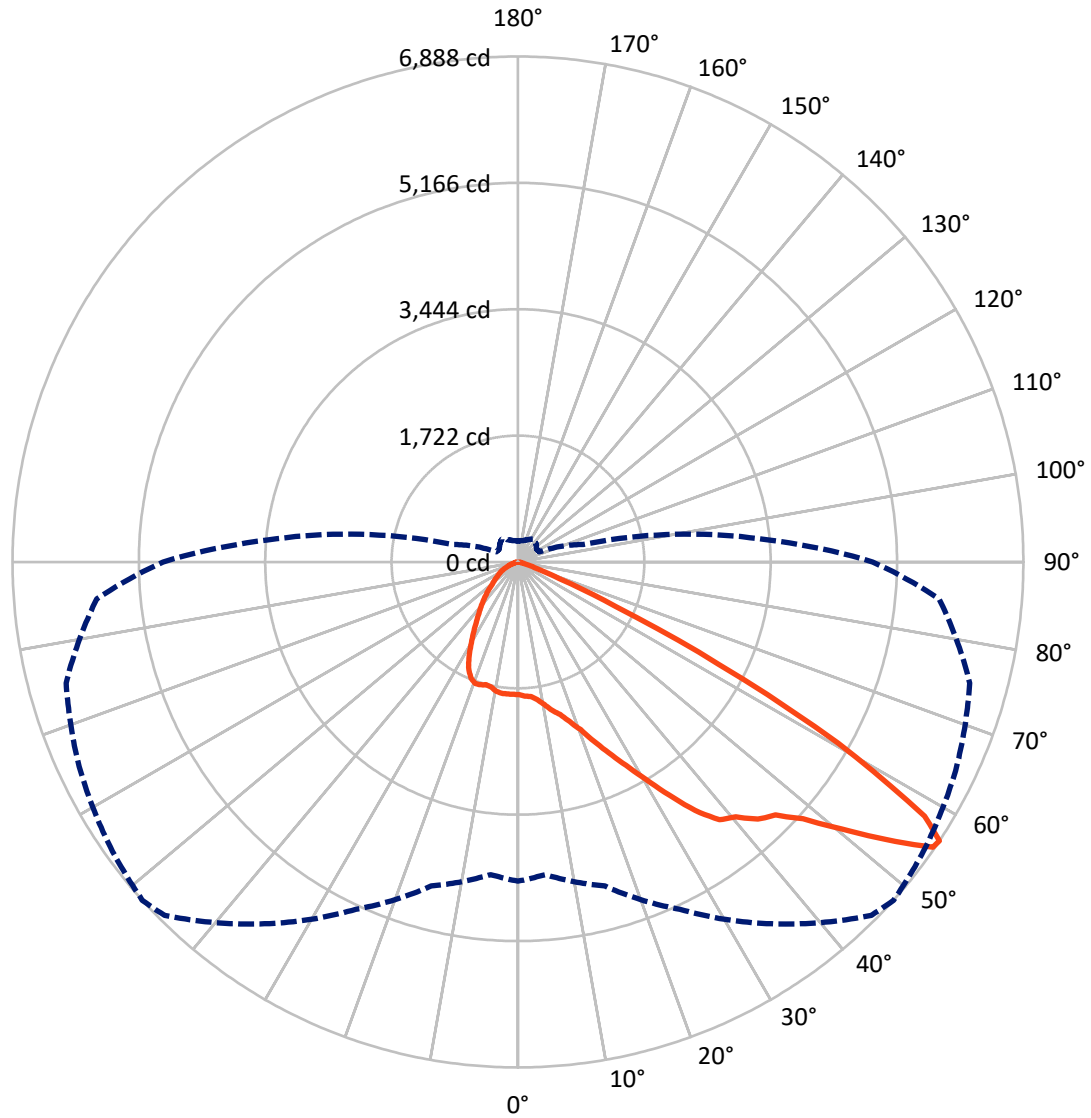
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Short - N/A

REPORT NUMBER: P528217
CATALOG NUMBER: GALN-SA3B-735-U-T3-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P528217
 CATALOG NUMBER: GALN-SA3B-735-U-T3-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2055.2	0.0	2055.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	7394.8	0.0	7394.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	9450.0	0.0	9450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.8	1.9
10°-20°	561.9	5.9
20°-30°	1019.2	10.8
30°-40°	1600.9	16.9
40°-50°	2335.4	24.7
50°-60°	2813.8	29.8
60°-70°	823.8	8.7
70°-80°	104.5	1.1
80°-90°	14.6	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°	9450.0	100.0
0°-180°	9450.0	100.0

Coefficient of Utilization

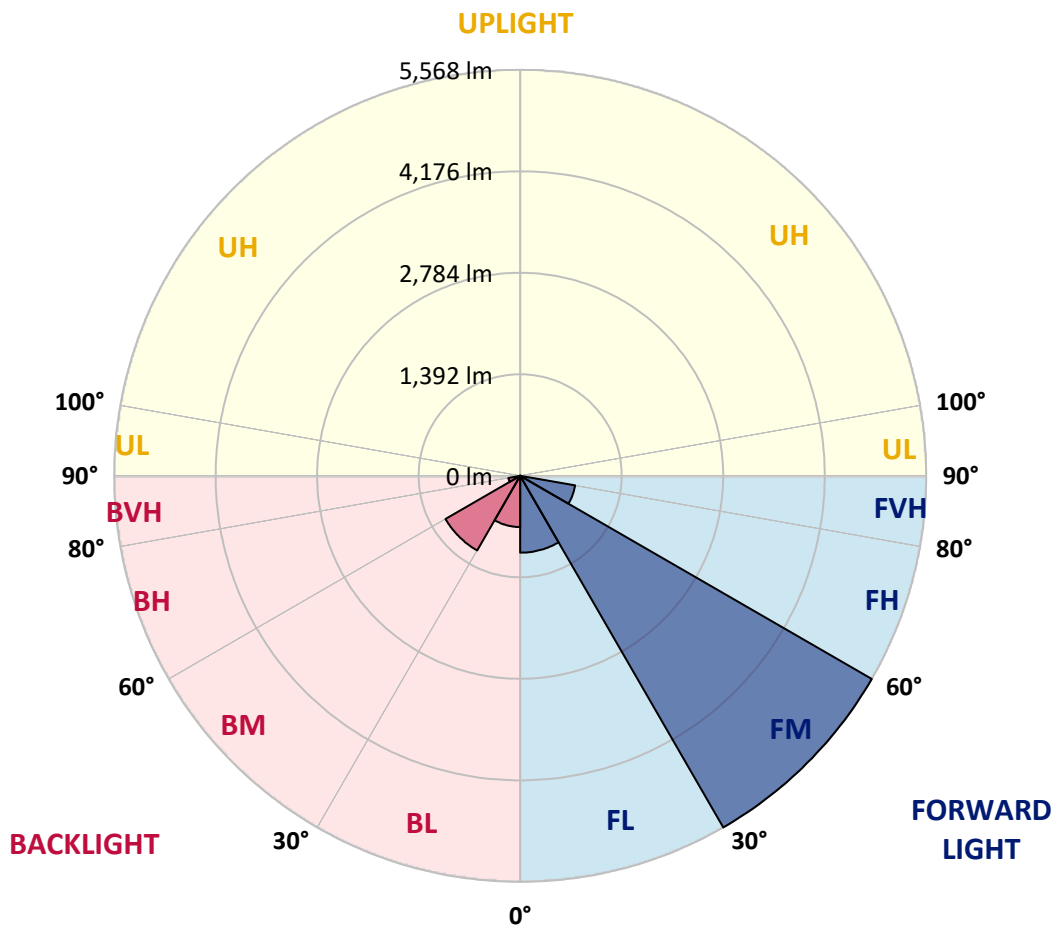


REPORT NUMBER: P528217
 CATALOG NUMBER: GALN-SA3B-735-U-T3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1054.4	11.2			
FM (30°-60°)	5568.0	58.9			
FH (60°-80°)	765.0	8.1			G1/1800
FVH (80°-90°)	7.4	0.1			G0/10
BL (0°-30°)	702.5	7.4	B2/1000		
BM (30°-60°)	1182.1	12.5	B2/2500		
BH (60°-80°)	163.3	1.7	B1/500		G1/500
BVH (80°-90°)	7.3	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: P528217

CATALOG NUMBER: GALN-SA3B-735-U-T3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0
2.5°	1837.6	1829.0	1829.0	1815.3	1830.8	1823.9	1829.0	1811.8	1829.0	1803.2	1823.9
5°	1846.2	1848.0	1841.1	1849.7	1849.7	1860.0	1842.8	1858.3	1866.9	1848.0	1839.4
7.5°	1891.0	1894.4	1892.7	1885.8	1899.6	1897.9	1896.1	1884.1	1887.5	1880.7	1870.3
10°	1978.7	1977.0	1985.6	1968.4	1958.1	1970.1	1973.6	1954.6	1940.9	1935.7	1903.0
12.5°	2106.1	2085.4	2073.4	2056.2	2061.3	2044.1	2075.1	2042.4	2035.5	2004.5	1971.9
15°	2209.3	2205.9	2207.6	2180.1	2149.1	2156.0	2156.0	2138.8	2128.4	2090.6	2044.1
17.5°	2420.9	2348.7	2364.2	2329.8	2303.9	2302.2	2286.7	2290.2	2262.6	2183.5	2112.9
20°	2586.1	2555.2	2531.1	2472.6	2433.0	2445.0	2438.2	2420.9	2412.3	2309.1	2209.3
22.5°	2734.1	2744.4	2704.9	2689.4	2634.3	2639.5	2653.2	2637.7	2572.4	2465.7	2317.7
25°	2942.3	2930.3	2876.9	2858.0	2806.4	2825.3	2878.6	2866.6	2825.3	2632.6	2402.0
27.5°	3188.4	3147.1	3157.4	3071.3	3021.4	3074.8	3138.5	3198.7	3081.7	2828.7	2501.8
30°	3362.1	3319.1	3315.7	3312.2	3300.2	3362.1	3436.1	3491.2	3396.5	3024.9	2667.0
32.5°	3448.2	3458.5	3487.7	3477.4	3582.4	3709.7	3787.1	3866.3	3747.6	3344.9	2885.5
35°	3677.0	3611.6	3677.0	3683.9	3792.3	4062.4	4160.5	4349.8	4320.5	3797.5	3152.2
37.5°	3811.2	3806.1	3814.7	3880.0	3985.0	4318.8	4458.2	4604.4	4549.4	4069.3	3484.3
40°	4033.2	4047.0	4045.2	4095.1	4210.4	4511.5	4568.3	4687.0	4692.2	4446.1	3973.0
42.5°	4389.4	4334.3	4298.2	4349.8	4511.5	4678.4	4792.0	4767.9	4938.2	4903.8	4601.0
45°	4709.4	4742.1	4688.8	4774.8	4833.3	4922.8	4919.3	4970.9	5187.7	5351.2	5074.2
47.5°	5008.8	5029.4	5055.2	5113.7	5241.1	5254.8	5225.6	5203.2	5502.6	5671.2	5440.7
50°	5187.7	5206.7	5327.1	5432.1	5669.5	5700.5	5717.7	5660.9	5863.9	5882.9	5786.5
52.5°	5139.6	5160.2	5328.8	5674.7	6053.2	6337.1	6285.5	6189.2	6177.1	6251.1	6106.6
55°	4712.8	4693.9	4926.2	5464.8	6173.7	6855.0	6861.9	6760.4	6566.0	6516.1	6058.4
56°	4349.8	4275.8	4571.7	5222.2	6018.8	6810.3	6887.7	6779.3	6596.9	6373.3	5760.7
57.5°	3563.5	3634.0	3928.2	4466.8	5483.7	6488.5	6533.3	6507.5	6369.8	5994.7	5069.0
60°	1965.0	2088.9	2348.7	3007.7	3904.1	4979.5	5015.7	5225.6	5251.4	4590.7	3487.7
62.5°	834.5	820.7	1090.9	1576.1	2223.1	3006.0	3073.1	3288.1	3327.7	2646.3	1749.9
65°	339.0	357.9	493.8	793.2	1175.2	1369.6	1464.3	1534.8	1665.6	1092.6	645.2
67.5°	223.7	222.0	290.8	452.5	633.2	610.8	610.8	645.2	597.1	445.6	278.7
70°	160.0	165.2	208.2	313.2	394.0	292.5	280.5	268.4	304.6	294.2	225.4
72.5°	105.0	111.8	139.4	187.6	204.8	160.0	160.0	192.7	251.2	237.4	184.1
75°	68.8	70.5	86.0	108.4	101.5	82.6	91.2	129.0	182.4	175.5	130.8
77.5°	46.5	48.2	58.5	70.5	56.8	46.5	49.9	65.4	89.5	89.5	68.8
80°	17.2	18.9	24.1	22.4	25.8	32.7	36.1	44.7	53.3	53.3	46.5
82.5°	0.0	1.7	5.2	12.0	18.9	25.8	29.3	34.4	39.6	44.7	43.0
85°	0.0	1.7	5.2	8.6	13.8	15.5	17.2	12.0	10.3	10.3	8.6
87.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.4	1.7	1.7
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: P528217

CATALOG NUMBER: GALN-SA3B-735-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0	1805.0
2.5°	1805.0	1803.2	1803.2	1798.1	1808.4	1803.2	1806.7	1805.0	1782.6	1799.8	1787.7
5°	1823.9	1835.9	1817.0	1813.6	1799.8	1805.0	1805.0	1787.7	1803.2	1801.5	1798.1
7.5°	1872.1	1851.4	1830.8	1810.1	1806.7	1801.5	1782.6	1775.7	1787.7	1774.0	1794.6
10°	1892.7	1896.1	1865.2	1837.6	1811.8	1775.7	1749.9	1734.4	1715.5	1736.1	1748.2
12.5°	1987.3	1952.9	1899.6	1856.6	1768.8	1732.7	1706.9	1700.0	1732.7	1739.6	1727.5
15°	2020.0	2014.9	1946.0	1849.7	1758.5	1715.5	1720.6	1706.9	1710.3	1693.1	1696.6
17.5°	2087.1	2028.6	1947.8	1827.3	1756.8	1746.5	1715.5	1660.4	1629.4	1615.7	1627.7
20°	2161.1	2104.3	1987.3	1835.9	1772.3	1744.7	1643.2	1576.1	1512.4	1478.0	1479.8
22.5°	2226.5	2156.0	1970.1	1839.4	1786.0	1672.5	1550.3	1417.8	1338.7	1285.3	1287.0
25°	2305.7	2205.9	1977.0	1846.2	1749.9	1557.2	1381.7	1252.6	1158.0	1121.9	1133.9
27.5°	2350.4	2236.8	2014.9	1861.7	1655.3	1393.7	1204.4	1084.0	1028.9	1011.7	1010.0
30°	2484.6	2305.7	2061.3	1830.8	1497.0	1218.2	1042.7	968.7	915.4	899.9	903.3
32.5°	2684.2	2431.3	2121.6	1749.9	1335.2	1061.6	937.8	882.7	832.8	803.5	800.1
35°	2851.1	2646.3	2185.2	1624.3	1147.7	941.2	863.8	794.9	719.2	686.5	677.9
37.5°	3169.4	2889.0	2171.5	1435.0	968.7	851.7	784.6	700.3	634.9	590.2	585.0
40°	3592.7	3172.9	2104.3	1204.4	836.2	772.6	700.3	619.4	538.6	500.7	497.3
42.5°	4107.2	3520.4	1982.2	970.4	703.7	693.4	628.0	535.1	462.9	435.3	437.0
45°	4525.3	3818.1	1858.3	779.5	605.7	616.0	559.2	471.5	421.6	399.2	399.2
47.5°	4896.9	4019.4	1724.1	643.5	514.5	538.6	488.7	437.0	394.0	376.8	373.4
50°	5254.8	4224.2	1589.9	521.4	438.8	462.9	457.7	416.4	382.0	361.3	363.1
52.5°	5478.5	4256.9	1419.5	426.7	383.7	411.2	428.4	390.6	352.7	340.7	337.2
55°	5204.9	3835.3	1101.2	351.0	325.2	361.3	394.0	351.0	321.8	301.1	299.4
56°	4836.7	3429.2	920.5	323.5	308.0	347.6	382.0	335.5	302.8	290.8	282.2
57.5°	4095.1	2806.4	679.7	287.3	285.6	323.5	363.1	320.0	282.2	271.9	271.9
60°	2553.4	1579.5	411.2	240.9	247.8	287.3	326.9	285.6	251.2	251.2	256.4
62.5°	1163.2	657.3	249.5	204.8	213.4	247.8	290.8	258.1	239.2	258.1	261.5
65°	395.7	283.9	180.7	163.5	168.6	204.8	249.5	261.5	259.8	271.9	278.7
67.5°	222.0	182.4	151.4	135.9	132.5	151.4	204.8	261.5	251.2	246.1	249.5
70°	187.6	154.9	134.2	120.4	115.3	122.2	158.3	197.9	177.2	172.1	168.6
72.5°	151.4	129.0	117.0	108.4	92.9	79.1	72.3	75.7	84.3	89.5	98.1
75°	106.7	98.1	98.1	87.8	67.1	49.9	39.6	32.7	22.4	15.5	17.2
77.5°	60.2	60.2	61.9	53.3	43.0	32.7	24.1	17.2	8.6	3.4	1.7
80°	41.3	44.7	48.2	43.0	36.1	29.3	20.6	12.0	5.2	0.0	0.0
82.5°	41.3	46.5	49.9	43.0	36.1	27.5	20.6	12.0	5.2	1.7	0.0
85°	8.6	10.3	12.0	13.8	20.6	20.6	15.5	10.3	5.2	1.7	0.0
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	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)