

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: P530761

Luminaire Tested: **GALN-SA6A-730-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530761
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-SA6A-730-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14569 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

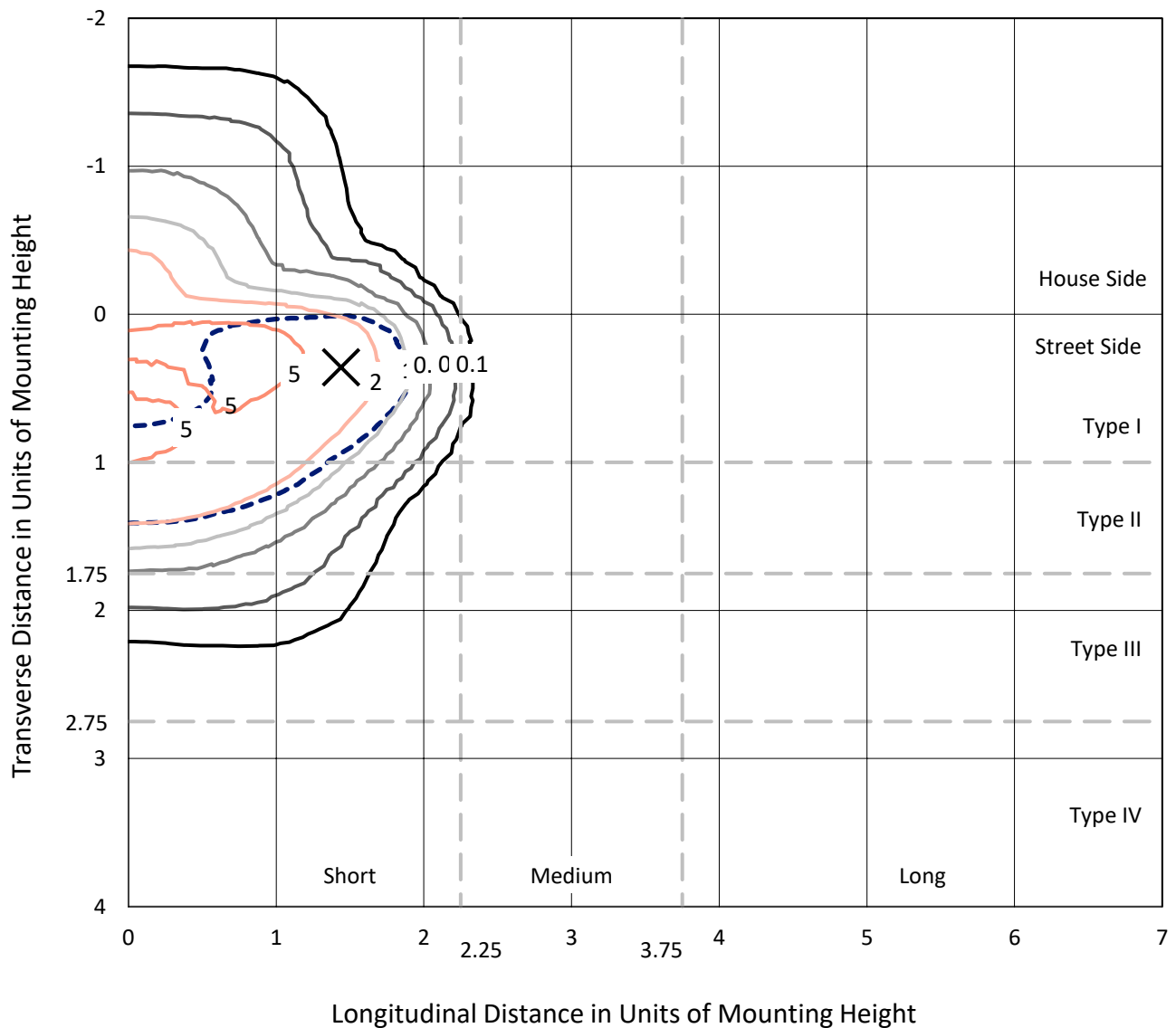
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530761
 CATALOG NUMBER: GALN-SA6A-730-U-T2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

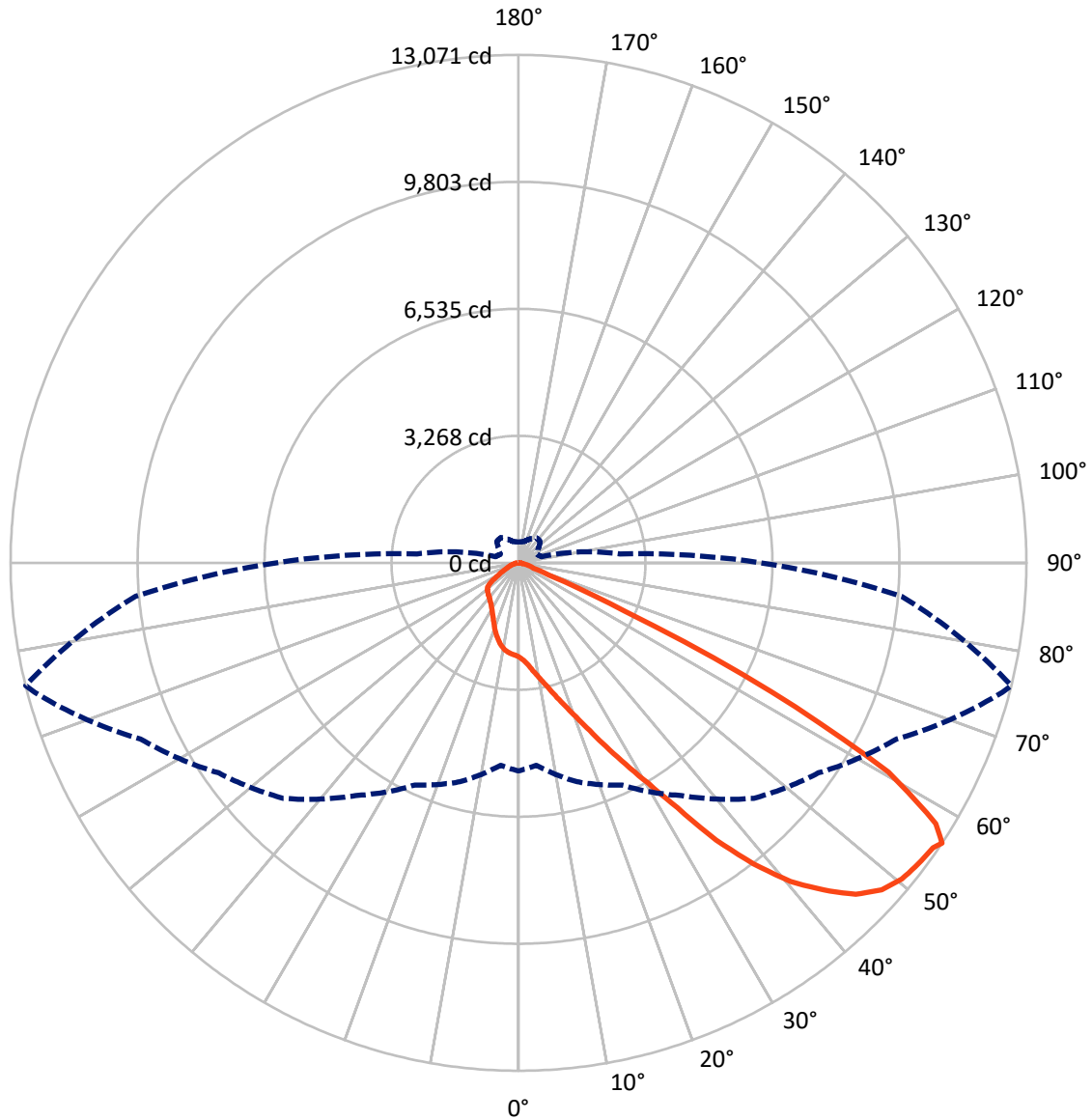
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

REPORT NUMBER: P530761
CATALOG NUMBER: GALN-SA6A-730-U-T2-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P530761
 CATALOG NUMBER: GALN-SA6A-730-U-T2-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2288.7	0.0	2288.7
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	12280.3	0.0	12280.3
	% Fixture	84.3	0.0	84.3
Total	Lumens	14569.0	0.0	14569.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.3	1.7
10°-20°	784.8	5.4
20°-30°	1423.1	9.8
30°-40°	2454.1	16.8
40°-50°	3986.8	27.4
50°-60°	4202.3	28.8
60°-70°	1284.0	8.8
70°-80°	164.6	1.1
80°-90°	25.0	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°	14569.0	100.0
0°-180°	14569.0	100.0

Coefficient of Utilization

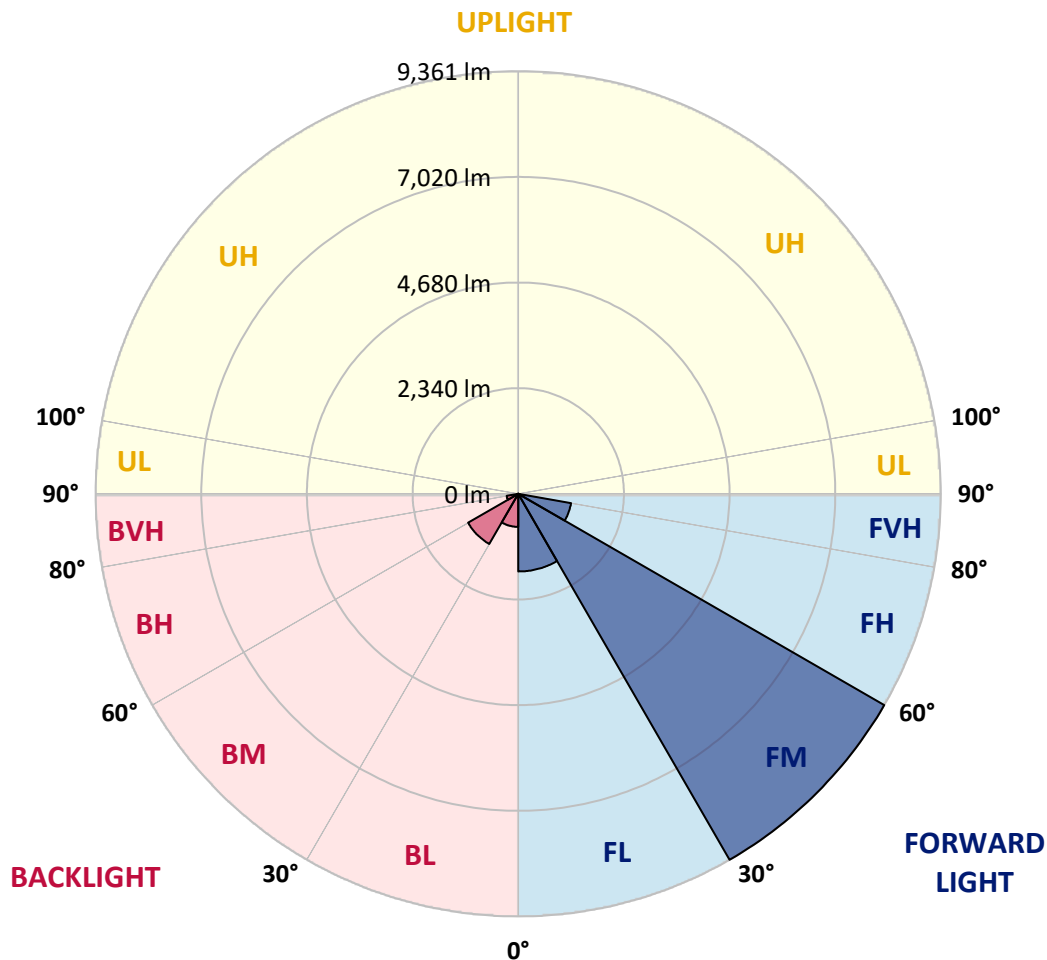


REPORT NUMBER: P530761
 CATALOG NUMBER: GALN-SA6A-730-U-T2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1720.0	11.8			
FM (30°-60°)	9360.6	64.2			
FH (60°-80°)	1187.5	8.2			G1/1800
FVH (80°-90°)	12.3	0.1			G1/100
BL (0°-30°)	732.2	5.0	B2/1000		
BM (30°-60°)	1282.7	8.8	B2/2500		
BH (60°-80°)	261.1	1.8	B1/500		G1/500
BVH (80°-90°)	12.8	0.1			G1/100
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: P530761

CATALOG NUMBER: GALN-SA6A-730-U-T2-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2425.0	2425.0	2425.0	2425.0	2425.0	2425.0	2425.0	2425.0	2425.0	2425.0	2425.0
2.5°	2792.9	2728.5	2731.2	2725.8	2717.8	2688.2	2599.6	2586.2	2527.1	2511.0	2457.3
5°	3128.6	3072.2	3104.5	3056.1	3010.5	2983.6	2838.6	2771.5	2677.5	2642.6	2567.4
7.5°	3338.1	3311.3	3300.5	3303.2	3260.2	3193.1	3128.6	2980.9	2854.7	2827.9	2669.4
10°	3440.2	3424.0	3440.2	3432.1	3450.9	3459.0	3346.2	3257.5	3072.2	3026.6	2779.5
12.5°	3464.3	3496.6	3510.0	3544.9	3590.6	3668.4	3660.4	3539.5	3292.5	3262.9	2948.7
15°	3523.4	3550.3	3536.8	3593.2	3679.2	3810.8	3880.6	3861.8	3595.9	3542.2	3144.8
17.5°	3577.1	3528.8	3574.4	3687.2	3773.2	3974.6	4143.8	4221.7	3926.2	3864.5	3324.7
20°	3649.6	3636.2	3628.1	3684.5	3837.6	4106.2	4441.9	4584.2	4296.8	4232.4	3582.5
22.5°	3869.8	3872.5	3867.2	3783.9	3894.0	4197.5	4702.4	5054.2	4740.0	4686.2	3875.2
25°	4159.9	4125.0	4098.1	4031.0	4017.6	4280.7	4965.5	5628.9	5271.7	5234.1	4192.1
27.5°	4466.0	4466.0	4385.5	4323.7	4237.8	4487.5	5207.2	6187.5	5913.5	5862.5	4468.7
30°	4799.0	4817.8	4807.1	4675.5	4621.8	4713.1	5454.3	6901.8	6649.4	6584.9	4925.3
32.5°	5290.5	5250.2	5295.9	5185.8	5027.3	5107.9	5843.7	7541.0	7605.4	7514.1	5524.1
35°	5940.4	5916.2	5886.7	5706.7	5518.8	5583.2	6394.2	8327.8	8805.8	8760.2	6128.4
37.5°	6523.1	6509.7	6485.6	6362.0	6144.5	6222.4	7020.0	9146.9	9976.7	9826.3	6982.4
40°	7135.4	7208.0	7130.1	7020.0	6821.2	6993.1	7755.8	9633.0	10962.3	10779.7	7635.0
42.5°	7965.3	7908.9	7943.8	7742.4	7635.0	7822.9	8494.3	10119.1	11727.7	11510.2	8327.8
45°	8848.8	8851.5	8757.5	8693.1	8413.8	8617.9	8948.2	10387.6	12337.3	12168.1	8851.5
47.5°	9415.5	9412.8	9514.8	9616.9	9329.5	9128.1	9257.0	10642.7	12651.5	12573.6	9042.2
50°	9326.8	9353.7	9485.3	9866.6	10017.0	9745.8	9547.1	10567.6	12793.9	12785.8	9206.0
52.5°	8113.0	8201.6	8421.8	8972.3	9729.7	10065.4	9850.5	10707.2	12863.7	12877.1	9450.4
55°	6176.7	6225.1	6644.0	7312.7	8150.6	9300.0	9729.7	10817.3	12917.4	12941.6	9745.8
56°	5357.6	5228.7	5833.0	6308.3	7310.0	8566.8	9423.5	10731.4	12885.2	13070.5	9893.5
57.5°	4044.4	3958.5	4447.2	5040.7	6004.8	7331.5	8472.8	10325.9	12667.6	12665.0	9681.3
60°	2459.9	2374.0	2750.0	3099.1	3638.9	4514.4	5725.5	8223.1	10709.9	10935.5	7839.1
62.5°	1463.6	1517.3	1887.9	2100.1	2274.6	2366.0	2962.1	4887.7	7146.2	7307.3	4863.5
65°	974.8	993.6	1272.9	1622.1	1699.9	1353.5	1205.8	1979.2	3099.1	2999.7	2006.1
67.5°	601.6	644.5	854.0	1219.2	1350.8	988.3	572.0	738.5	854.0	854.0	580.1
70°	365.2	386.7	569.3	829.8	926.5	636.5	416.3	416.3	410.9	402.8	346.4
72.5°	174.6	188.0	290.0	427.0	435.1	335.7	322.3	351.8	343.7	341.1	287.4
75°	75.2	80.6	102.1	134.3	153.1	142.3	196.0	252.4	260.5	252.4	206.8
77.5°	24.2	26.9	37.6	48.3	51.0	61.8	83.3	104.7	120.8	112.8	102.1
80°	2.7	5.4	10.7	24.2	37.6	48.3	61.8	69.8	77.9	77.9	72.5
82.5°	2.7	2.7	10.7	21.5	34.9	45.7	59.1	67.1	77.9	80.6	75.2
85°	0.0	2.7	8.1	18.8	29.5	29.5	26.9	26.9	18.8	18.8	18.8
87.5°	0.0	0.0	2.7	2.7	2.7	5.4	5.4	5.4	5.4	5.4	5.4
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: P530761

CATALOG NUMBER: GALN-SA6A-730-U-T2-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2425.0	2425.0	2425.0	2425.0	2425.0	2425.0	2425.0	2425.0	2425.0	2425.0	2425.0
2.5°	2446.5	2441.1	2368.6	2323.0	2298.8	2250.5	2220.9	2199.4	2183.3	2164.5	2167.2
5°	2478.7	2459.9	2339.1	2255.8	2156.5	2102.8	2057.1	2019.5	1995.3	1990.0	1979.2
7.5°	2570.1	2470.7	2288.1	2137.7	2011.5	1957.8	1917.5	1893.3	1904.0	1879.9	1898.7
10°	2639.9	2492.2	2226.3	2008.8	1882.6	1842.3	1820.8	1839.6	1866.4	1855.7	1842.3
12.5°	2725.8	2513.7	2126.9	1885.2	1767.1	1737.5	1775.1	1810.0	1863.8	1885.2	1858.4
15°	2822.5	2537.8	2000.7	1742.9	1667.7	1691.9	1756.3	1818.1	1871.8	1898.7	1914.8
17.5°	2940.7	2529.8	1877.2	1630.1	1573.7	1643.5	1721.4	1777.8	1858.4	1898.7	1887.9
20°	3050.8	2502.9	1740.2	1517.3	1520.0	1584.5	1648.9	1740.2	1783.2	1836.9	1818.1
22.5°	3155.5	2454.6	1597.9	1439.4	1439.4	1538.8	1571.0	1630.1	1667.7	1694.6	1691.9
25°	3303.2	2363.3	1479.7	1364.2	1396.5	1460.9	1487.8	1506.6	1490.5	1512.0	1514.6
27.5°	3407.9	2269.3	1383.0	1297.1	1356.2	1404.5	1396.5	1385.7	1348.1	1318.6	1337.4
30°	3520.7	2159.2	1299.8	1251.5	1283.7	1326.7	1294.4	1262.2	1203.1	1154.8	1157.5
32.5°	3681.9	2108.1	1227.3	1197.7	1240.7	1246.1	1211.2	1162.8	1103.8	1058.1	1055.4
35°	3982.6	2075.9	1165.5	1162.8	1170.9	1173.6	1138.7	1079.6	1055.4	1017.8	1031.2
37.5°	4283.4	2059.8	1122.6	1111.8	1109.1	1111.8	1071.5	1015.1	1060.8	1058.1	1063.5
40°	4667.4	2132.3	1060.8	1047.4	1050.0	1050.0	999.0	982.9	1063.5	1071.5	1074.2
42.5°	5056.8	2223.6	1020.5	977.5	988.3	988.3	961.4	942.6	999.0	945.3	937.2
45°	5395.2	2357.9	977.5	907.7	934.6	948.0	939.9	907.7	872.8	781.5	781.5
47.5°	5505.3	2476.1	926.5	840.6	862.1	921.1	897.0	829.8	768.1	692.9	687.5
50°	5698.7	2605.0	886.2	762.7	808.3	880.9	856.7	789.5	719.7	666.0	668.7
52.5°	5897.4	2752.7	811.0	671.4	727.8	848.6	848.6	773.4	666.0	628.4	623.0
55°	6195.5	2747.3	676.8	550.5	649.9	800.3	813.7	692.9	596.2	566.6	566.6
56°	6238.5	2623.8	609.6	515.6	615.0	786.9	789.5	671.4	569.3	537.1	537.1
57.5°	5916.2	2368.6	534.4	472.7	572.0	762.7	765.4	652.6	547.8	502.2	496.8
60°	4552.0	1603.3	445.8	421.6	518.3	687.5	700.9	593.5	480.7	445.8	443.1
62.5°	2570.1	888.9	392.1	381.3	445.8	585.4	625.7	518.3	408.2	389.4	394.8
65°	1173.6	488.8	330.3	308.8	359.9	451.2	504.9	427.0	335.7	314.2	314.2
67.5°	429.7	333.0	282.0	244.4	252.4	292.7	327.6	276.6	222.9	190.7	198.7
70°	306.2	279.3	247.1	212.2	196.0	190.7	188.0	155.8	110.1	85.9	91.3
72.5°	247.1	231.0	206.8	179.9	153.1	128.9	110.1	80.6	51.0	34.9	32.2
75°	177.2	169.2	150.4	128.9	107.4	91.3	75.2	51.0	26.9	13.4	13.4
77.5°	91.3	91.3	88.6	80.6	67.1	53.7	43.0	29.5	16.1	5.4	5.4
80°	69.8	75.2	77.9	69.8	61.8	48.3	34.9	21.5	10.7	2.7	2.7
82.5°	67.1	77.9	83.3	72.5	61.8	45.7	34.9	21.5	10.7	2.7	2.7
85°	16.1	16.1	24.2	26.9	34.9	37.6	29.5	18.8	8.1	2.7	2.7
87.5°	5.4	5.4	5.4	5.4	5.4	5.4	2.7	2.7	2.7	2.7	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)