

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: P530987

Luminaire Tested: **GALN-SA6B-730-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-730-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17937 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

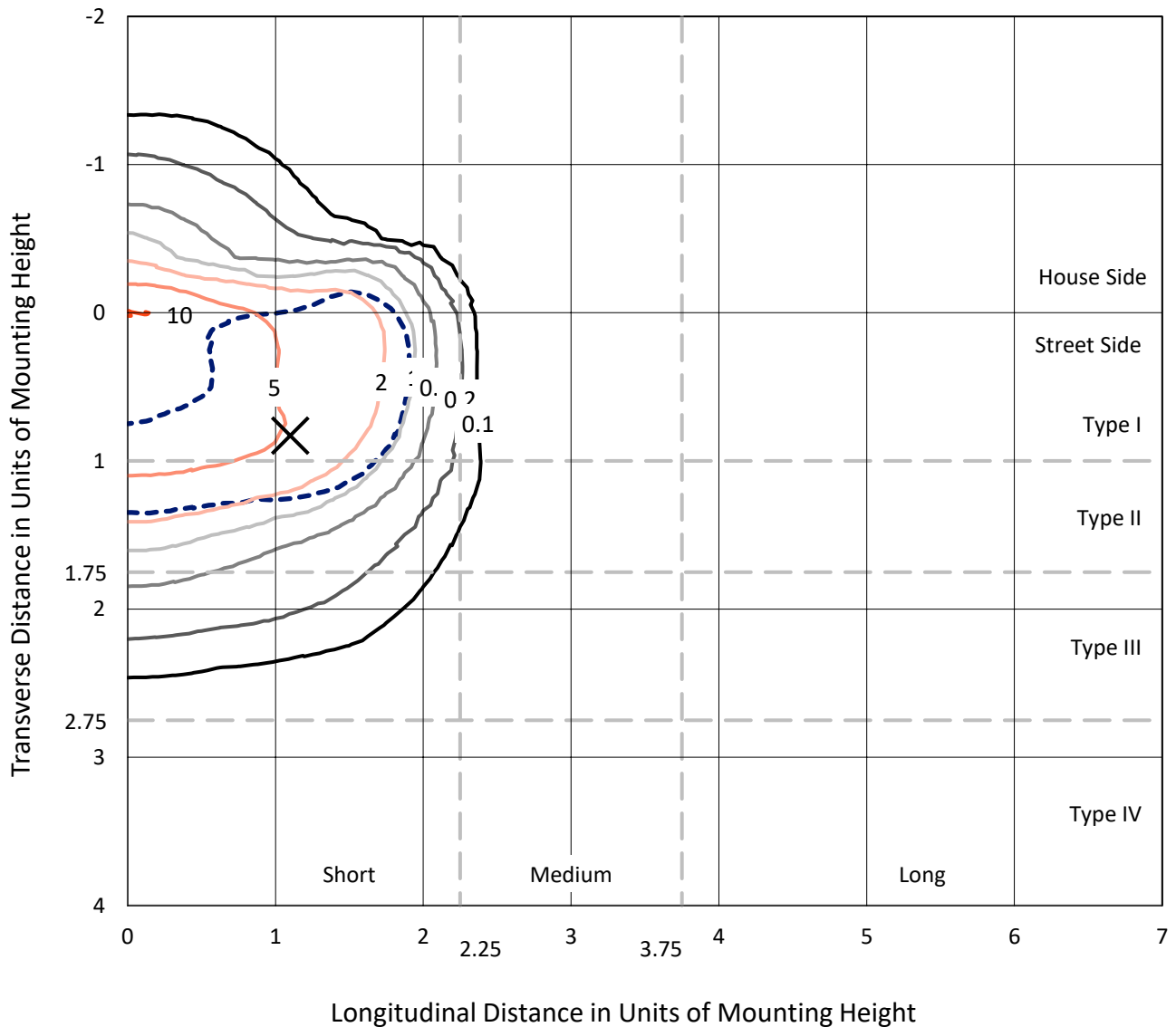
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530987
 CATALOG NUMBER: GALN-SA6B-730-U-SL2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

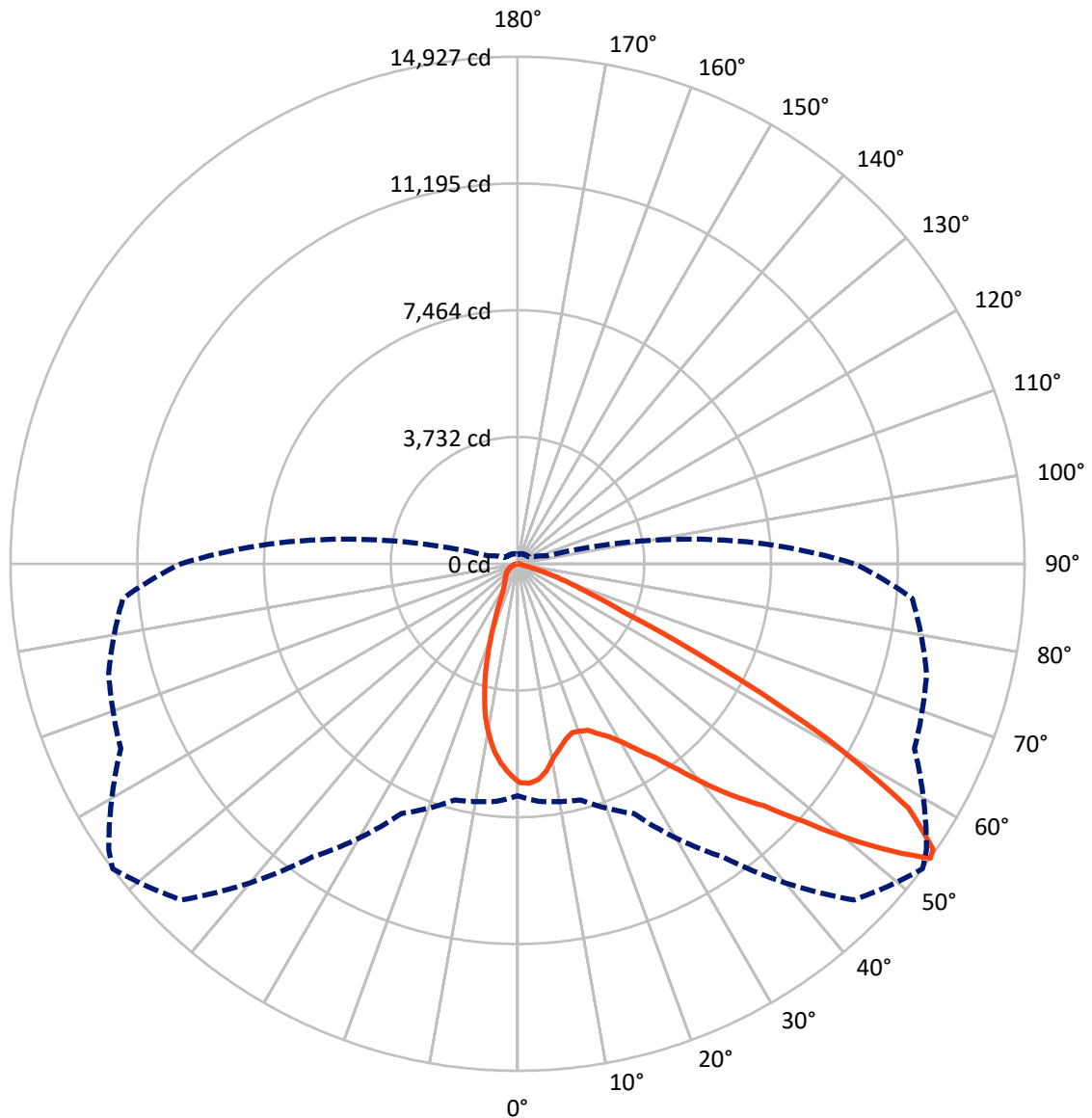
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Short - N/A

REPORT NUMBER: P530987
CATALOG NUMBER: GALN-SA6B-730-U-SL2-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

REPORT NUMBER: P530987
 CATALOG NUMBER: GALN-SA6B-730-U-SL2-GRSBK

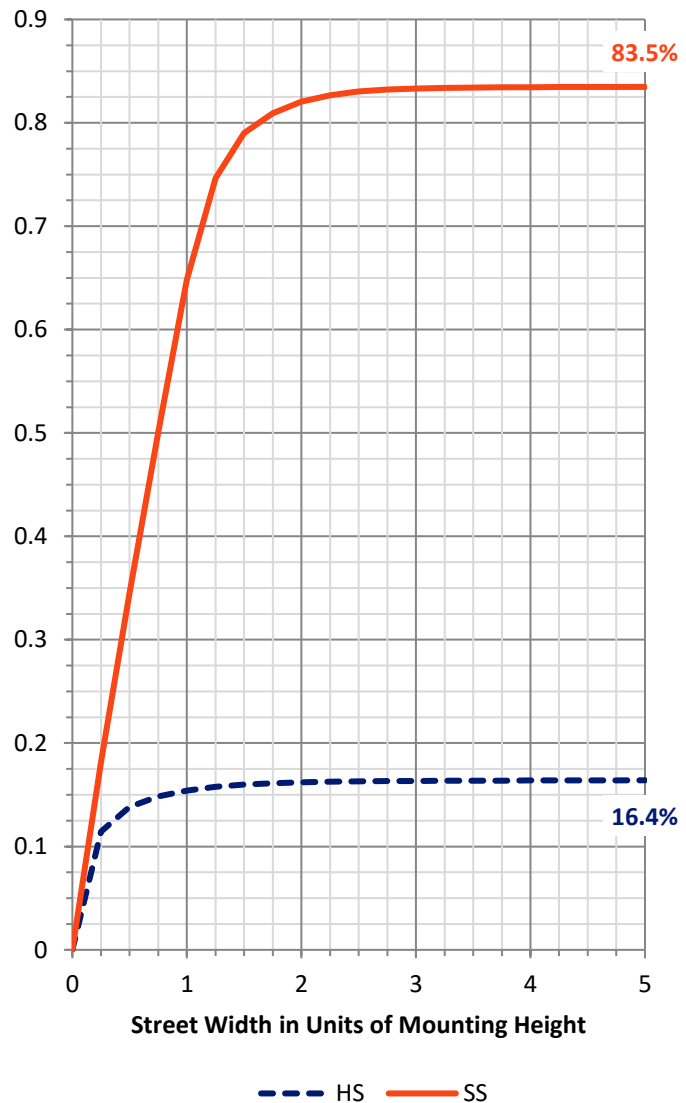
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2967.7	0.0	2967.7
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	14969.3	0.0	14969.3
	% Fixture	83.5	0.0	83.5
Total	Lumens	17937.0	0.0	17937.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.8	3.1
10°-20°	1267.3	7.1
20°-30°	1801.1	10.0
30°-40°	2779.6	15.5
40°-50°	4358.2	24.3
50°-60°	5062.6	28.2
60°-70°	1913.0	10.7
70°-80°	181.9	1.0
80°-90°	20.5	0.1
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°	17937.0	100.0
0°-180°	17937.0	100.0

Coefficient of Utilization



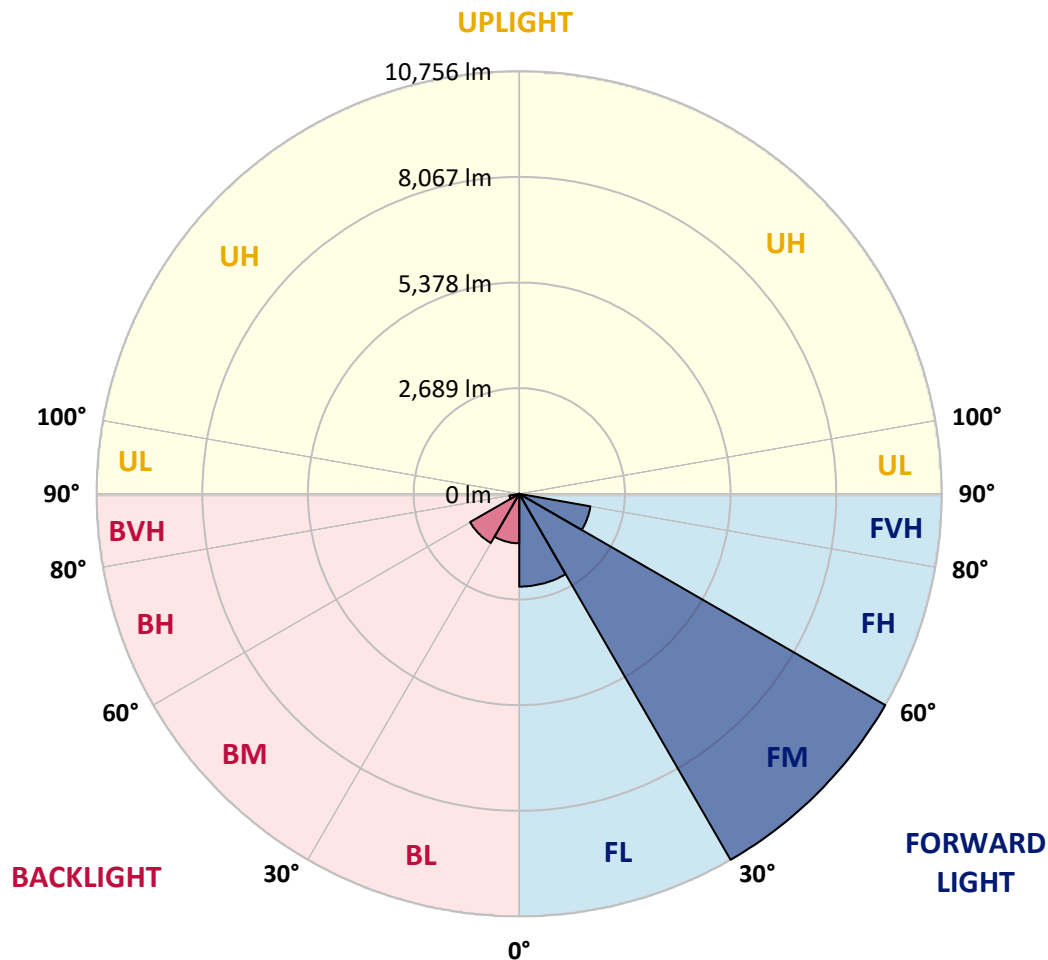
REPORT NUMBER: P530987
 CATALOG NUMBER: GALN-SA6B-730-U-SL2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2361.8	13.2			
FM (30°-60°)	10756.3	60.0			
FH (60°-80°)	1840.6	10.3			G2/5000
FVH (80°-90°)	10.6	0.1			G1/100
BL (0°-30°)	1259.4	7.0	B3/2500		
BM (30°-60°)	1444.2	8.1	B2/2500		
BH (60°-80°)	254.3	1.4	B1/500		G1/500
BVH (80°-90°)	9.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P530987

CATALOG NUMBER: GALN-SA6B-730-U-SL2-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	6442.7	6442.7	6442.7	6442.7	6442.7	6442.7	6442.7	6442.7	6442.7	6442.7	6442.7
2.5°	6409.3	6352.4	6409.3	6415.9	6456.0	6492.8	6469.4	6522.9	6492.8	6459.4	6449.4
5°	5891.3	5968.2	5971.5	6091.8	6065.1	6285.6	6382.5	6355.8	6519.5	6509.5	6486.1
7.5°	5426.8	5396.7	5436.8	5577.2	5754.3	6008.3	6148.6	6145.3	6379.2	6546.3	6529.6
10°	4995.7	4992.4	5075.9	5186.2	5336.6	5603.9	5797.7	5894.6	6258.9	6512.8	6549.6
12.5°	4705.0	4691.7	4781.9	4872.1	5109.4	5316.5	5563.8	5610.6	6028.3	6395.9	6456.0
15°	4514.5	4544.6	4551.3	4725.1	4875.4	5149.5	5343.3	5440.2	5921.4	6302.3	6532.9
17.5°	4481.1	4521.2	4524.6	4668.3	4828.7	5059.2	5229.7	5360.0	5831.1	6349.1	6536.2
20°	4548.0	4524.6	4544.6	4634.8	4791.9	5012.4	5259.7	5303.2	5801.1	6372.5	6573.0
22.5°	4738.4	4731.8	4681.6	4755.1	4865.4	5096.0	5329.9	5396.7	5888.0	6492.8	6603.1
25°	4949.0	4985.7	4938.9	4928.9	5005.8	5233.0	5543.8	5630.7	6178.7	6710.0	6696.6
27.5°	5343.3	5306.5	5306.5	5259.7	5239.7	5350.0	5774.3	5918.0	6502.8	6990.7	6803.6
30°	5720.9	5761.0	5730.9	5747.6	5613.9	5603.9	6101.8	6278.9	7077.6	7418.4	7030.8
32.5°	6319.0	6265.6	6315.7	6272.2	6095.1	5914.7	6546.3	6730.0	7772.6	7909.6	7371.6
35°	6816.9	6793.5	7007.4	7000.7	6713.3	6536.2	7017.4	7291.4	8257.2	8497.8	7772.6
37.5°	7525.4	7481.9	7725.9	7842.8	7585.5	7321.5	7692.4	8009.9	8708.3	8968.9	8183.7
40°	8253.8	8364.1	8691.6	8885.4	8611.4	8260.5	8517.8	8614.7	9009.0	9276.4	8464.4
42.5°	9176.1	9336.5	9670.7	9837.8	9814.4	9433.4	9356.6	9353.2	9226.2	9189.5	8671.5
45°	10061.7	10001.5	10516.1	10880.4	11174.4	11064.1	10165.2	10065.0	9570.4	9319.8	8725.0
47.5°	10449.3	10429.2	10780.1	11428.4	12430.9	12567.9	11341.5	10953.9	10151.9	9867.8	9015.7
50°	9948.0	10051.6	10399.2	11117.6	12654.8	13700.7	12785.1	12263.8	10830.2	10536.2	9704.1
52.5°	8310.6	8380.8	8711.6	9623.9	11892.9	14369.0	14168.5	13867.8	12076.7	11588.8	10903.7
54°	6833.6	7020.8	7201.2	8116.8	10536.2	13998.1	14927.1	14696.5	12888.7	12464.3	11659.0
55°	5951.4	6061.7	6192.0	7104.3	9597.2	13369.9	14840.2	14860.2	13433.4	12738.3	12166.9
57.5°	4347.5	4424.3	4290.7	4695.0	6589.7	10857.0	13573.7	14115.1	14168.5	13149.3	12477.7
60°	3321.6	3355.0	3204.6	3268.1	4096.8	7451.8	10499.4	11151.0	12781.7	11491.9	10569.6
62.5°	2576.4	2583.1	2579.7	2690.0	2823.7	4384.2	6566.3	7144.4	8811.9	8160.3	7177.8
65°	1898.0	1868.0	1921.4	2255.6	2409.3	2756.8	3458.6	3879.6	4788.6	4043.4	2890.5
67.5°	1229.7	1239.7	1293.2	1677.5	2065.1	2115.3	2128.6	2095.2	2098.5	1156.2	725.1
70°	738.5	755.2	738.5	949.0	1477.0	1517.1	1386.8	1353.4	1056.0	274.0	270.7
72.5°	437.8	414.4	370.9	407.7	614.9	735.2	661.6	658.3	414.4	160.4	160.4
75°	183.8	167.1	137.0	123.6	163.7	157.1	157.1	140.3	110.3	106.9	100.2
77.5°	36.8	36.8	26.7	30.1	40.1	46.8	56.8	56.8	66.8	66.8	63.5
80°	0.0	3.3	10.0	20.0	30.1	43.4	50.1	50.1	56.8	56.8	46.8
82.5°	0.0	3.3	10.0	20.0	26.7	40.1	50.1	50.1	56.8	60.1	50.1
85°	0.0	3.3	10.0	16.7	26.7	33.4	33.4	30.1	23.4	20.0	13.4
87.5°	0.0	0.0	3.3	6.7	3.3	6.7	6.7	6.7	6.7	6.7	6.7
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: P530987

CATALOG NUMBER: GALN-SA6B-730-U-SL2-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6442.7	6442.7	6442.7	6442.7	6442.7	6442.7	6442.7	6442.7	6442.7	6442.7	6442.7
2.5°	6472.7	6469.4	6389.2	6258.9	6228.8	6118.5	6105.2	6038.3	6075.1	5951.4	5938.1
5°	6419.3	6379.2	6282.3	6198.7	5954.8	5781.0	5644.0	5476.9	5380.0	5396.7	5333.2
7.5°	6496.1	6392.5	6222.1	5931.4	5634.0	5329.9	5166.2	4825.3	4701.7	4517.9	4491.2
10°	6415.9	6339.1	6075.1	5593.9	5182.9	4745.1	4360.8	3983.2	3695.8	3572.2	3545.5
12.5°	6409.3	6275.6	5834.5	5299.8	4705.0	4076.8	3518.7	3047.6	2763.5	2603.1	2566.4
15°	6305.7	6145.3	5563.8	4845.4	4023.3	3241.4	2633.2	2178.7	1961.5	1868.0	1894.7
17.5°	6315.7	6075.1	5293.1	4364.2	3351.7	2379.2	1797.8	1563.9	1507.1	1530.5	1530.5
20°	6305.7	5918.0	4965.7	3809.5	2566.4	1650.8	1319.9	1236.4	1273.2	1346.7	1330.0
22.5°	6252.2	5844.5	4664.9	3224.7	1888.0	1223.0	1059.3	1062.6	1119.4	1209.7	1229.7
25°	6292.3	5680.8	4284.0	2633.2	1376.8	975.8	918.9	942.3	1002.5	1069.3	1082.7
27.5°	6262.2	5563.8	3886.3	2045.1	1005.8	838.7	835.4	862.1	888.9	939.0	939.0
30°	6295.6	5456.9	3495.3	1520.4	828.7	768.6	755.2	775.3	802.0	812.0	808.7
32.5°	6419.3	5376.7	3044.2	1136.2	731.8	701.7	701.7	701.7	698.4	711.8	715.1
35°	6689.9	5390.1	2646.6	878.8	668.3	644.9	634.9	621.5	614.9	621.5	624.9
37.5°	6984.0	5383.4	2235.6	748.5	621.5	601.5	578.1	558.1	554.7	561.4	551.4
40°	7114.3	5446.9	1854.6	671.7	578.1	554.7	518.0	501.2	504.6	511.3	504.6
42.5°	7291.4	5466.9	1607.3	611.5	538.0	501.2	477.9	457.8	454.5	464.5	461.1
45°	7288.1	5353.3	1346.7	578.1	501.2	461.1	431.1	414.4	414.4	421.0	424.4
47.5°	7502.0	5336.6	1156.2	548.0	474.5	434.4	397.7	384.3	380.9	380.9	374.3
50°	7999.9	5570.5	1009.2	514.6	441.1	404.3	374.3	357.6	344.2	337.5	334.2
52.5°	8972.3	6299.0	895.6	474.5	404.3	374.3	347.5	334.2	317.5	300.7	297.4
54°	9914.6	7050.8	888.9	441.1	374.3	354.2	330.8	324.1	304.1	280.7	274.0
55°	10339.0	7488.6	912.3	414.4	354.2	340.8	320.8	314.1	294.1	267.3	264.0
57.5°	10689.9	7659.0	898.9	344.2	320.8	317.5	300.7	290.7	267.3	230.6	223.9
60°	8604.7	5791.0	644.9	304.1	294.1	287.4	274.0	267.3	237.3	197.2	193.8
62.5°	5436.8	3331.6	411.0	267.3	257.3	247.3	230.6	223.9	197.2	157.1	147.0
65°	2315.8	1380.1	277.4	237.3	220.5	203.8	190.5	180.4	157.1	117.0	113.6
67.5°	601.5	491.2	230.6	207.2	183.8	160.4	150.4	133.7	106.9	80.2	76.9
70°	270.7	247.3	193.8	173.8	147.0	123.6	110.3	93.6	70.2	53.5	50.1
72.5°	160.4	157.1	147.0	130.3	110.3	93.6	80.2	63.5	46.8	30.1	30.1
75°	100.2	96.9	100.2	90.2	76.9	70.2	60.1	43.4	26.7	13.4	13.4
77.5°	60.1	60.1	60.1	56.8	53.5	53.5	43.4	26.7	13.4	3.3	3.3
80°	46.8	46.8	50.1	46.8	46.8	46.8	36.8	20.0	6.7	0.0	0.0
82.5°	46.8	50.1	56.8	53.5	46.8	40.1	33.4	20.0	6.7	0.0	0.0
85°	13.4	10.0	16.7	23.4	33.4	30.1	23.4	16.7	6.7	0.0	0.0
87.5°	6.7	6.7	6.7	6.7	3.3	3.3	3.3	3.3	3.3	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)