

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: P530768

Luminaire Tested: **GALN-SA6A-730-U-T3R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530768  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)  
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-T3R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21559 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

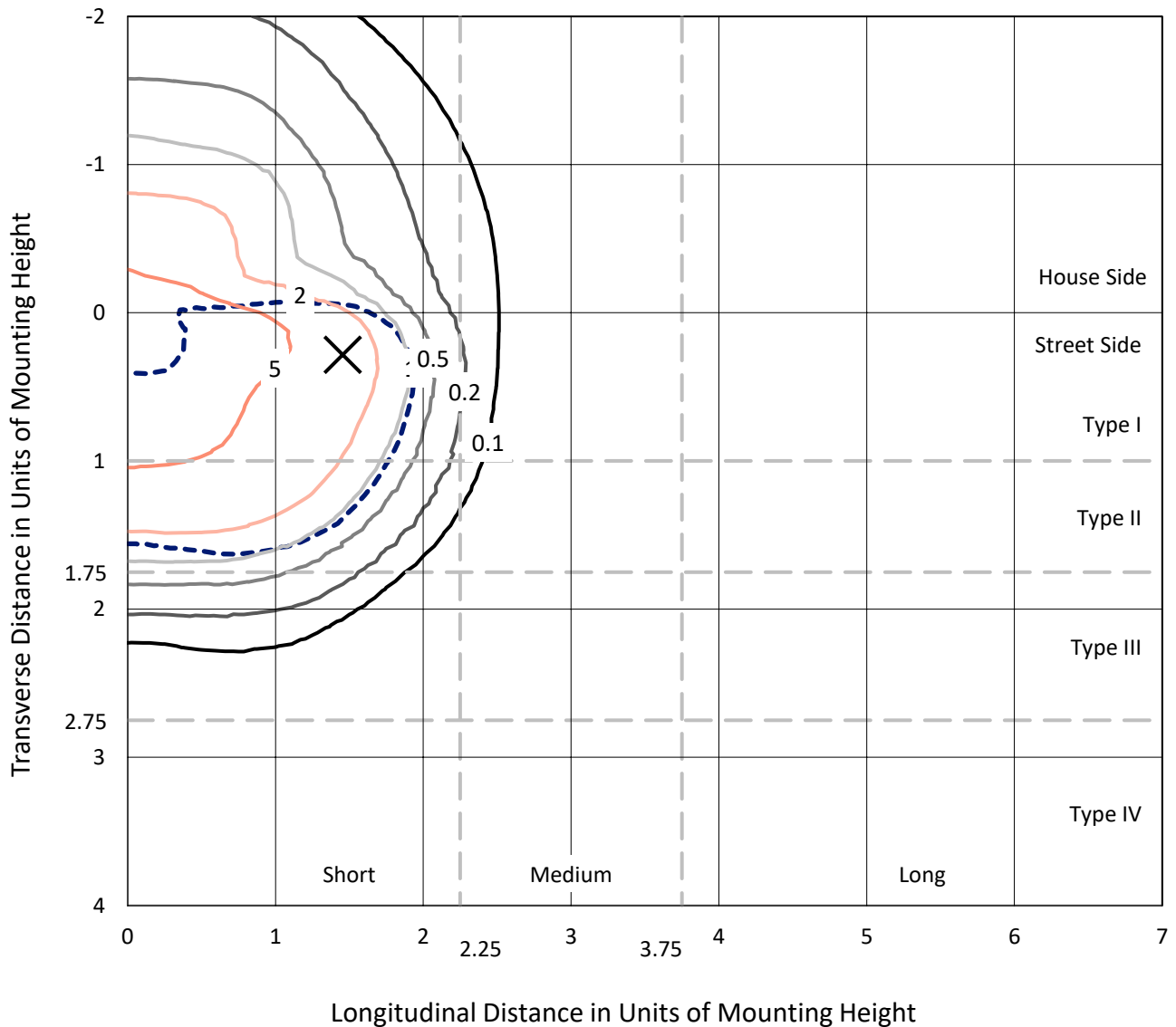
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

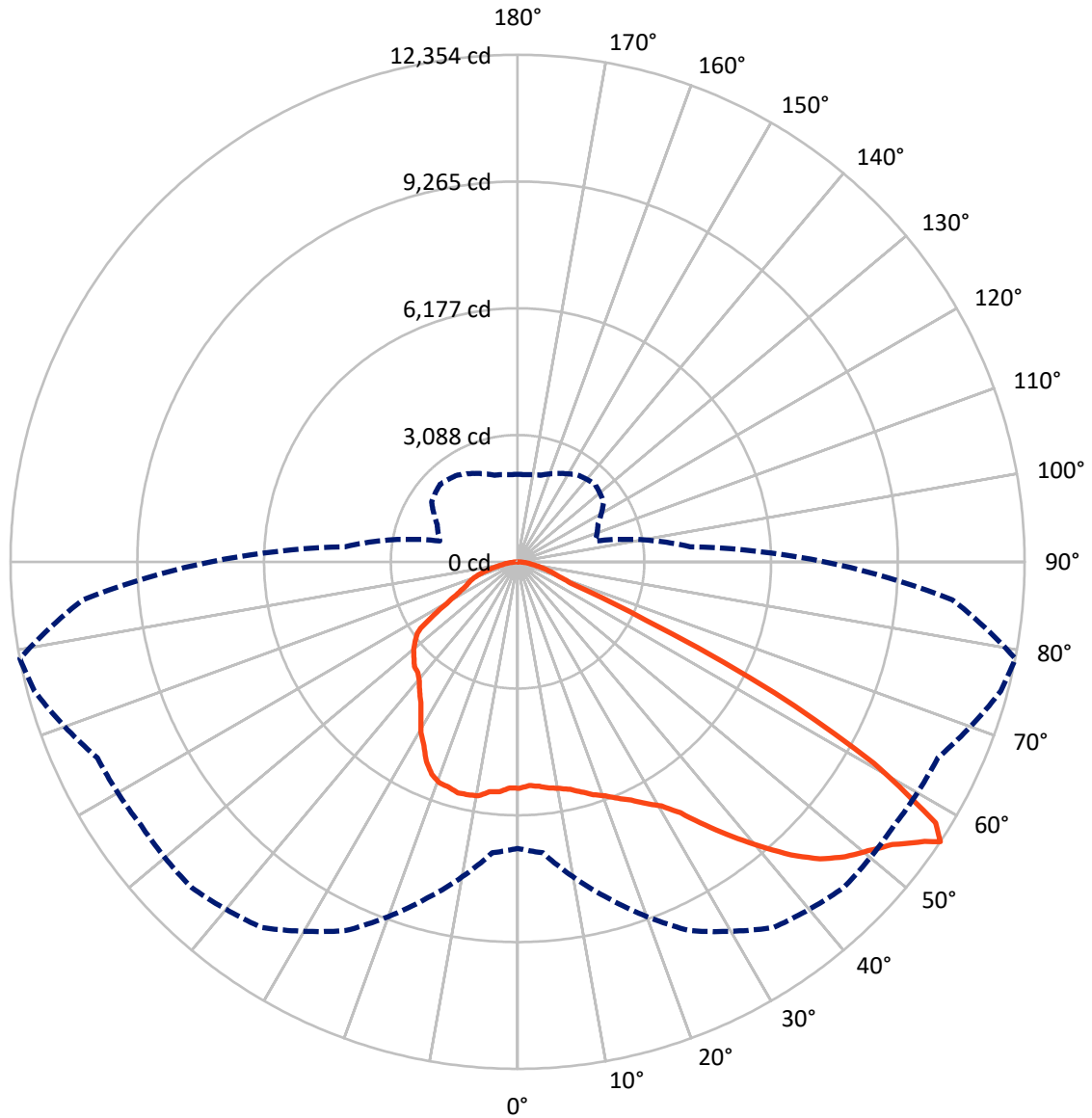
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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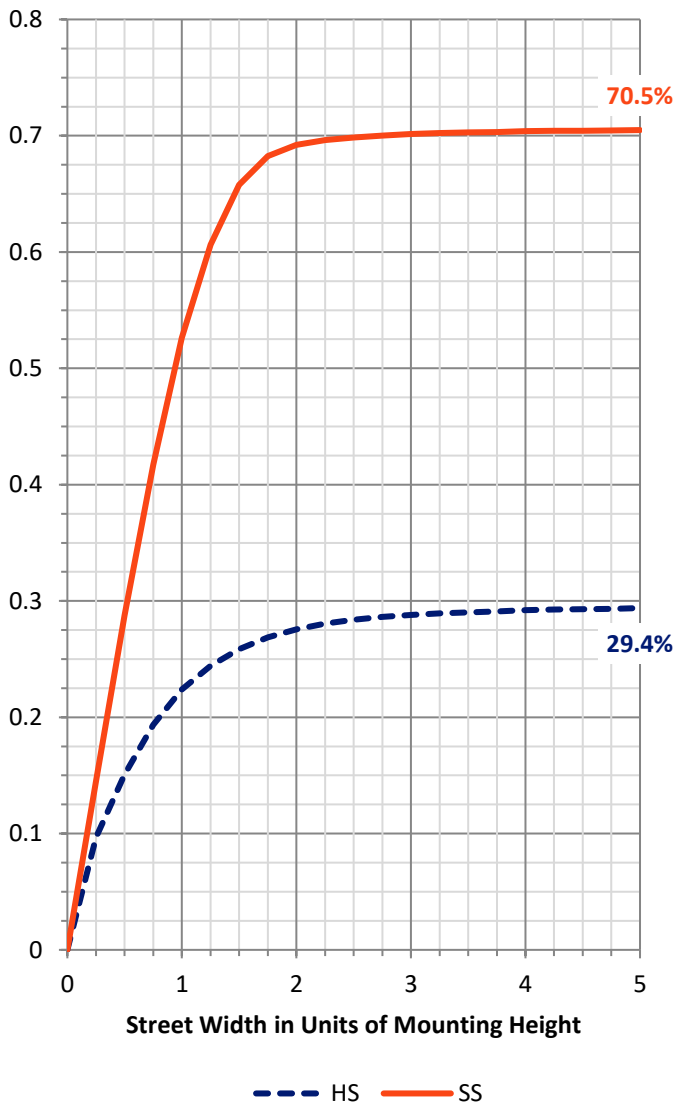
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6366.9	0.0	6366.9
	% Fixture	29.5	0.0	29.5
<b>Street Side</b>	Lumens	15192.2	0.0	15192.2
	% Fixture	70.5	0.0	70.5
<b>Total</b>	Lumens	21559.0	0.0	21559.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	501.5	2.3
10°-20°	1372.5	6.4
20°-30°	2348.1	10.9
30°-40°	3598.8	16.7
40°-50°	4863.7	22.6
50°-60°	5586.1	25.9
60°-70°	2546.3	11.8
70°-80°	627.8	2.9
80°-90°	114.1	0.5
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°	21559.0	100.0
0°-180°	21559.0	100.0

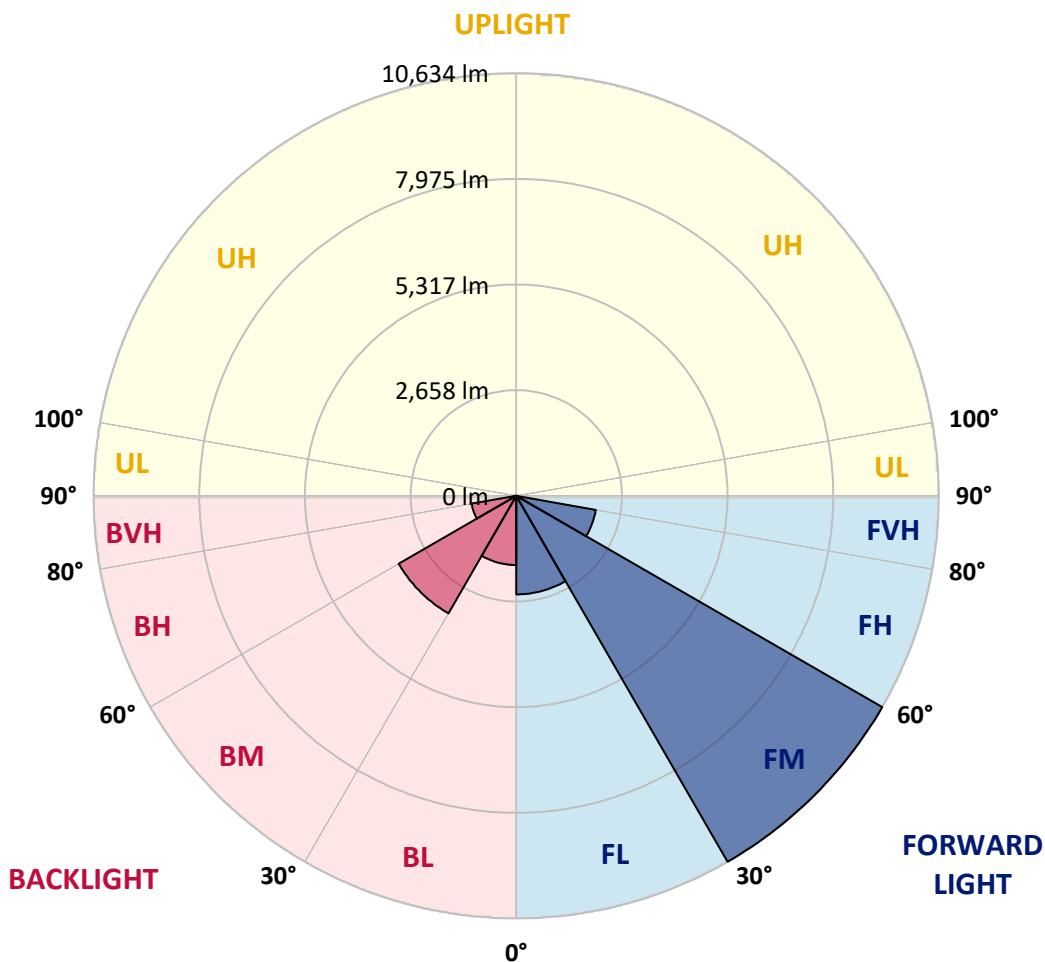


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2480.5	11.5			
FM (30°-60°)	10633.5	49.3			
FH (60°-80°)	2032.5	9.4			G2/5000
FVH (80°-90°)	45.6	0.2			G1/100
BL (0°-30°)	1741.6	8.1	B3/2500		
BM (30°-60°)	3415.1	15.8	B3/5000		
BH (60°-80°)	1141.6	5.3	B3/2500		G3/2500
BVH (80°-90°)	68.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5516.1	5516.1	5516.1	5516.1	5516.1	5516.1	5516.1	5516.1	5516.1	5516.1	5516.1
2.5°	5247.5	5234.1	5266.3	5290.5	5320.1	5357.6	5376.4	5387.2	5481.2	5457.0	5529.5
5°	5134.7	5099.8	5124.0	5142.8	5193.8	5239.5	5290.5	5371.1	5457.0	5494.6	5583.2
7.5°	5035.4	5016.6	5011.2	5024.6	5094.5	5153.5	5242.2	5360.3	5500.0	5561.7	5612.8
10°	4871.6	4844.7	4885.0	4973.6	4992.4	5115.9	5218.0	5387.2	5508.0	5615.5	5765.8
12.5°	4799.1	4772.2	4780.3	4831.3	4962.9	5081.0	5201.9	5392.6	5647.7	5690.7	5892.1
15°	4914.5	4887.7	4895.7	4882.3	5008.5	5070.3	5261.0	5500.0	5744.4	5816.9	6031.7
17.5°	5177.7	5180.4	5145.5	5115.9	5086.4	5218.0	5349.6	5564.4	5782.0	5964.6	6125.7
20°	5679.9	5591.3	5521.5	5355.0	5309.3	5365.7	5532.2	5739.0	5935.0	6085.4	6268.0
22.5°	6066.6	6074.7	5975.3	5701.4	5602.0	5626.2	5768.5	5937.7	6152.6	6260.0	6469.5
25°	6627.9	6571.5	6464.1	6246.6	6023.7	6042.5	6147.2	6300.3	6359.4	6434.5	6662.8
27.5°	7140.8	7157.0	6944.8	6740.7	6464.1	6410.4	6598.4	6625.2	6525.9	6668.2	6746.1
30°	7661.8	7648.4	7508.8	7269.8	6998.5	7009.3	7092.5	6960.9	6824.0	6901.8	6955.5
32.5°	8201.6	8048.6	8043.2	7828.3	7621.6	7522.2	7420.1	7484.6	7272.4	7288.5	7237.5
35°	8634.0	8655.5	8532.0	8378.9	8276.8	8102.3	7823.0	7938.4	7898.2	7879.4	7659.2
37.5°	8948.2	8865.0	8926.7	8875.7	8779.0	8561.5	8271.5	8381.6	8400.4	8491.7	8236.5
40°	9206.0	9171.1	9334.9	9361.8	9294.6	8824.7	8303.7	8631.3	8913.3	9112.0	8808.6
42.5°	9329.6	9404.8	9576.6	9783.4	9633.0	9130.8	8470.2	8822.0	9450.4	9764.6	9351.0
45°	9496.1	9399.4	9654.5	10033.2	10035.9	9388.6	8631.3	9079.8	9869.4	10325.9	9721.6
47.5°	9326.9	9375.2	9638.4	10119.1	10242.6	9659.9	9066.4	9445.0	10331.3	10736.8	10065.4
50°	8948.2	9044.9	9525.6	10025.1	10398.4	9947.2	9565.9	9839.8	10758.3	11067.1	10121.8
52.5°	8553.4	8607.1	9359.1	10097.6	10468.2	10317.8	10234.6	10385.0	11279.3	11440.4	10191.6
55°	7479.2	7734.3	8808.6	10065.4	10809.3	10986.5	10922.1	11142.3	11870.1	12031.2	10573.0
56°	6982.4	7116.7	8478.2	9915.0	10876.4	11230.9	11198.7	11298.1	12184.3	12353.5	10632.0
57.5°	6063.9	6074.7	7229.5	9249.0	10624.0	11303.4	11271.2	11349.1	12122.5	12007.0	10113.7
60°	3794.7	3961.2	4919.9	7114.0	9034.1	10487.0	10669.6	10043.9	10221.2	9976.8	7868.6
62.5°	1965.8	1941.6	2578.1	4159.9	5996.8	7508.8	7678.0	7648.4	7374.5	7017.3	5140.1
65°	980.2	985.6	1348.1	2059.8	3072.3	3931.6	4404.3	4455.3	3727.5	3429.4	2438.5
67.5°	711.7	738.5	969.5	1259.5	1447.5	1619.4	1984.6	1947.0	1474.4	1401.9	1299.8
70°	553.2	577.4	786.9	961.4	872.8	872.8	950.7	982.9	1050.0	1079.6	1114.5
72.5°	402.8	421.6	601.6	663.3	572.0	615.0	711.7	786.9	856.7	867.4	907.7
75°	276.6	292.7	394.8	365.2	343.7	424.3	521.0	590.8	641.8	668.7	692.9
77.5°	179.9	185.3	225.6	190.7	220.2	273.9	338.4	397.5	448.5	470.0	475.3
80°	80.6	88.6	96.7	120.8	153.1	196.0	241.7	290.0	322.3	330.3	346.4
82.5°	45.7	45.7	59.1	85.9	112.8	142.3	174.6	209.5	247.1	255.1	252.4
85°	24.2	24.2	34.9	51.0	69.8	83.3	80.6	83.3	88.6	102.1	99.4
87.5°	8.1	8.1	10.7	10.7	13.4	16.1	13.4	18.8	24.2	24.2	24.2
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°	5516.1	5516.1	5516.1	5516.1	5516.1	5516.1	5516.1	5516.1	5516.1	5516.1	5516.1
2.5°	5508.0	5532.2	5500.0	5569.8	5569.8	5556.4	5489.2	5510.7	5526.8	5526.8	5540.3
5°	5612.8	5604.7	5626.2	5542.9	5491.9	5473.1	5363.0	5309.3	5263.7	5261.0	5220.7
7.5°	5671.9	5650.4	5642.3	5580.5	5355.0	5218.0	4981.7	4844.7	4815.2	4710.4	4750.7
10°	5765.8	5806.1	5765.8	5430.2	5115.9	4801.7	4570.8	4358.6	4275.4	4208.2	4168.0
12.5°	5959.2	5940.4	5706.8	5252.9	4812.5	4439.2	4095.4	3872.5	3789.3	3730.2	3724.8
15°	6123.0	6029.0	5671.9	4973.6	4339.8	3942.4	3660.4	3501.9	3464.3	3469.7	3493.9
17.5°	6179.4	6115.0	5489.2	4683.6	3988.0	3520.7	3389.1	3365.0	3399.9	3440.2	3450.9
20°	6268.0	6166.0	5414.0	4288.8	3553.0	3257.6	3249.5	3335.4	3399.9	3459.0	3467.0
22.5°	6453.3	6195.5	5169.7	3915.5	3254.9	3179.7	3257.6	3330.1	3429.4	3477.8	3434.8
25°	6507.1	6131.1	4825.9	3467.0	3066.9	3131.3	3214.6	3314.0	3383.8	3410.6	3429.4
27.5°	6552.7	6031.7	4361.3	3168.9	3007.8	3128.7	3214.6	3297.8	3335.4	3359.6	3381.1
30°	6681.6	6002.2	3958.5	2970.2	2970.2	3074.9	3185.0	3206.5	3257.6	3287.1	3324.7
32.5°	6746.1	5798.1	3544.9	2844.0	2932.6	3101.8	3109.9	3150.1	3152.8	3177.0	3136.7
35°	6915.3	5653.1	3160.9	2752.7	2948.7	3074.9	3115.2	3091.1	2959.5	2895.0	2908.4
37.5°	7038.8	5580.5	2884.3	2741.9	2951.4	3104.5	3126.0	2943.3	2806.4	2699.0	2725.8
40°	7371.8	5400.6	2674.8	2723.1	2975.6	3136.7	3077.6	2878.9	2631.8	2521.7	2502.9
42.5°	7626.9	5271.7	2543.2	2701.7	2994.4	3182.4	3053.5	2750.0	2497.6	2395.5	2422.4
45°	7922.3	5242.2	2473.4	2707.0	3026.6	3206.5	3023.9	2650.6	2382.1	2341.8	2333.7
47.5°	8027.1	5030.0	2398.2	2661.4	3018.5	3198.5	2924.6	2575.4	2339.1	2344.5	2366.0
50°	7852.5	4812.5	2341.8	2567.4	2964.8	3126.0	2768.8	2476.1	2314.9	2382.1	2419.7
52.5°	7629.6	4589.6	2226.3	2441.2	2854.7	3013.2	2696.3	2470.7	2290.8	2269.3	2277.3
55°	7696.8	4407.0	2065.2	2269.3	2677.5	2803.7	2615.7	2419.7	2231.7	2151.1	2178.0
56°	7479.2	4219.0	1960.4	2161.9	2556.6	2669.4	2575.4	2374.0	2183.3	2129.6	2129.6
57.5°	6864.2	3587.9	1823.5	1990.0	2301.5	2435.8	2497.6	2347.2	2129.6	2035.6	2038.3
60°	5062.2	2551.3	1635.5	1753.7	1906.7	2014.2	2301.5	2272.0	1995.4	1930.9	1906.7
62.5°	3120.6	1863.8	1501.2	1546.9	1624.8	1713.4	2008.8	2057.1	1853.0	1783.2	1767.1
65°	1748.3	1426.0	1399.2	1418.0	1455.6	1501.2	1667.7	1775.1	1635.5	1528.1	1522.7
67.5°	1278.3	1275.6	1297.1	1313.2	1329.3	1329.3	1369.6	1412.6	1393.8	1307.9	1299.8
70°	1136.0	1144.0	1160.2	1162.8	1168.2	1149.4	1117.2	1103.8	1125.2	1071.5	1060.8
72.5°	937.3	964.1	982.9	985.6	956.1	931.9	888.9	843.3	827.1	816.4	813.7
75°	719.7	738.5	746.6	743.9	733.2	698.2	647.2	601.6	572.0	539.8	555.9
77.5°	486.1	512.9	526.4	526.4	510.3	456.5	432.4	397.5	367.9	333.0	338.4
80°	341.1	359.9	381.3	378.7	351.8	325.0	290.0	257.8	233.6	206.8	204.1
82.5°	255.1	265.9	276.6	271.2	252.4	225.6	201.4	171.9	145.0	126.2	126.2
85°	91.3	99.4	120.8	126.2	137.0	137.0	115.5	96.7	77.9	64.5	64.5
87.5°	26.9	26.9	29.5	29.5	26.9	29.5	24.2	26.9	29.5	18.8	18.8
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)