

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: P530052

Luminaire Tested: **GALN-SA5B-730-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5B-730-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21996 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

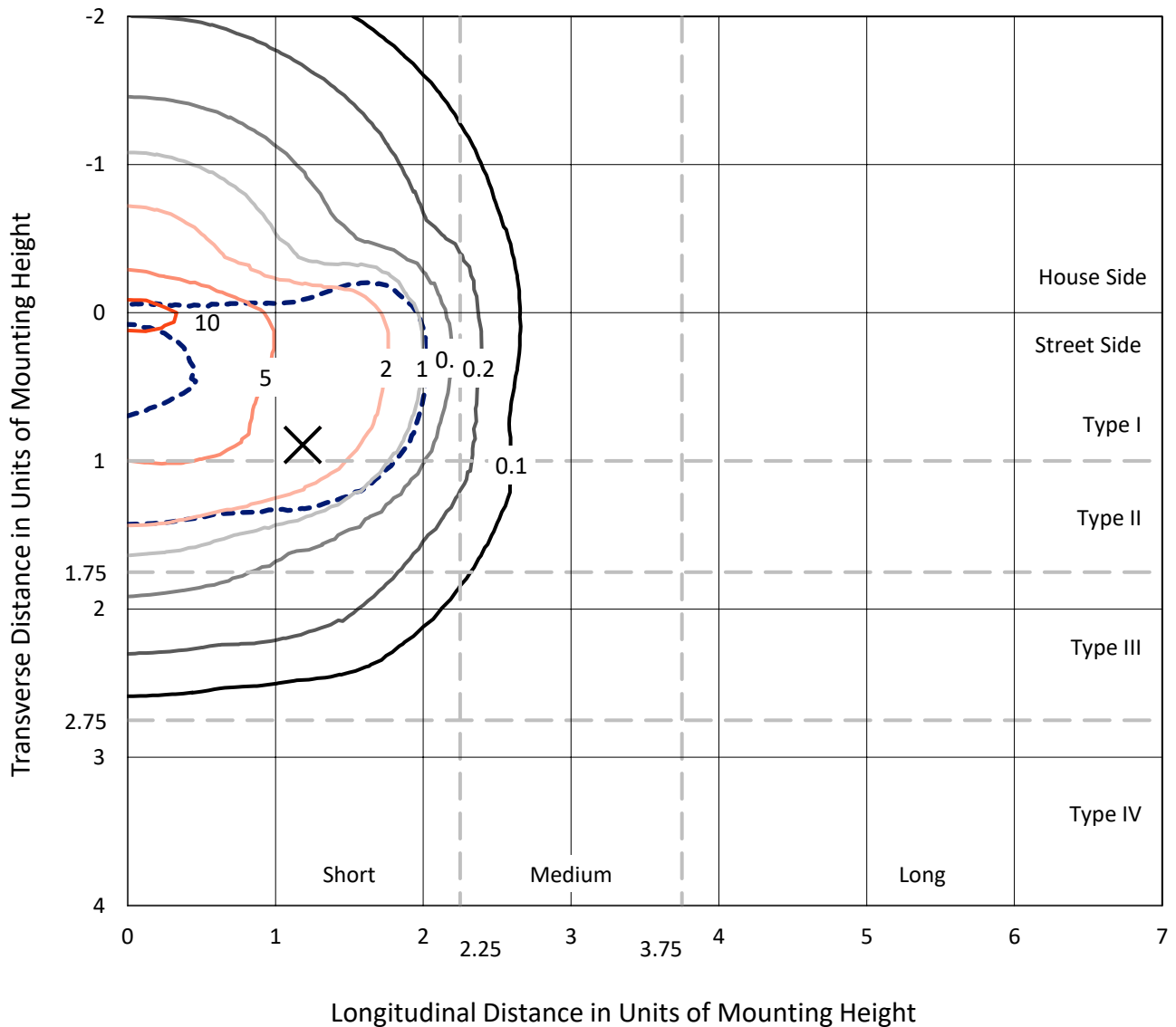
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530052
 CATALOG NUMBER: GALN-SA5B-730-U-SL2-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

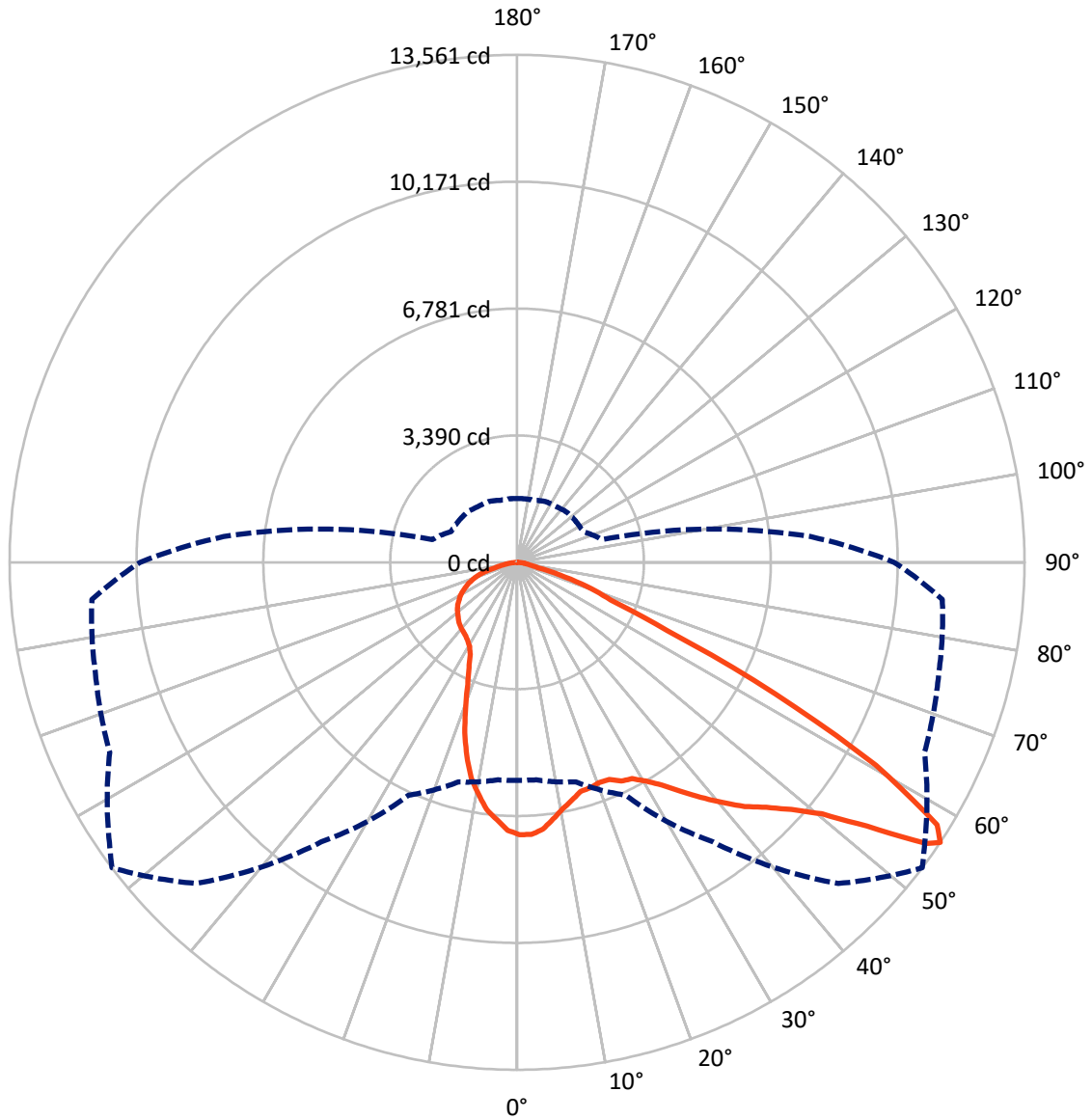
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type II - Short - N/A

REPORT NUMBER: P530052
CATALOG NUMBER: GALN-SA5B-730-U-SL2-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P530052
 CATALOG NUMBER: GALN-SA5B-730-U-SL2-GRSWH

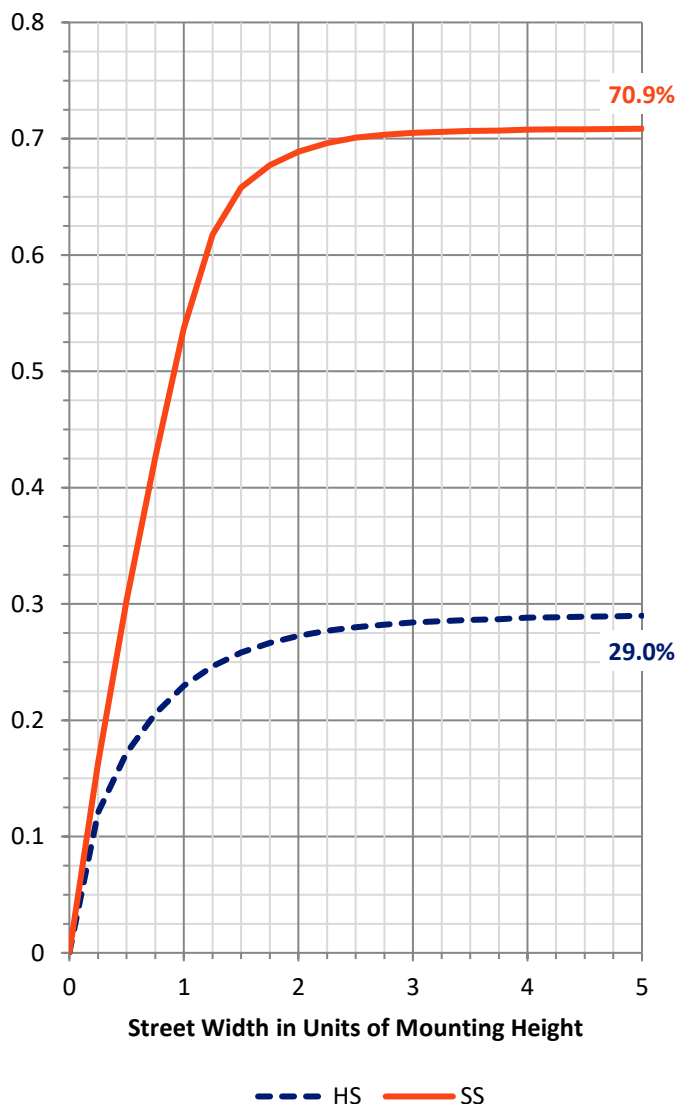
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6418.9	0.0	6418.9
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	15577.1	0.0	15577.1
	% Fixture	70.8	0.0	70.8
Total	Lumens	21996.0	0.0	21996.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.2	2.9
10°-20°	1609.0	7.3
20°-30°	2372.6	10.8
30°-40°	3390.0	15.4
40°-50°	4665.9	21.2
50°-60°	5513.9	25.1
60°-70°	2938.5	13.4
70°-80°	745.5	3.4
80°-90°	116.2	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°	21996.0	100.0
0°-180°	21996.0	100.0

Coefficient of Utilization

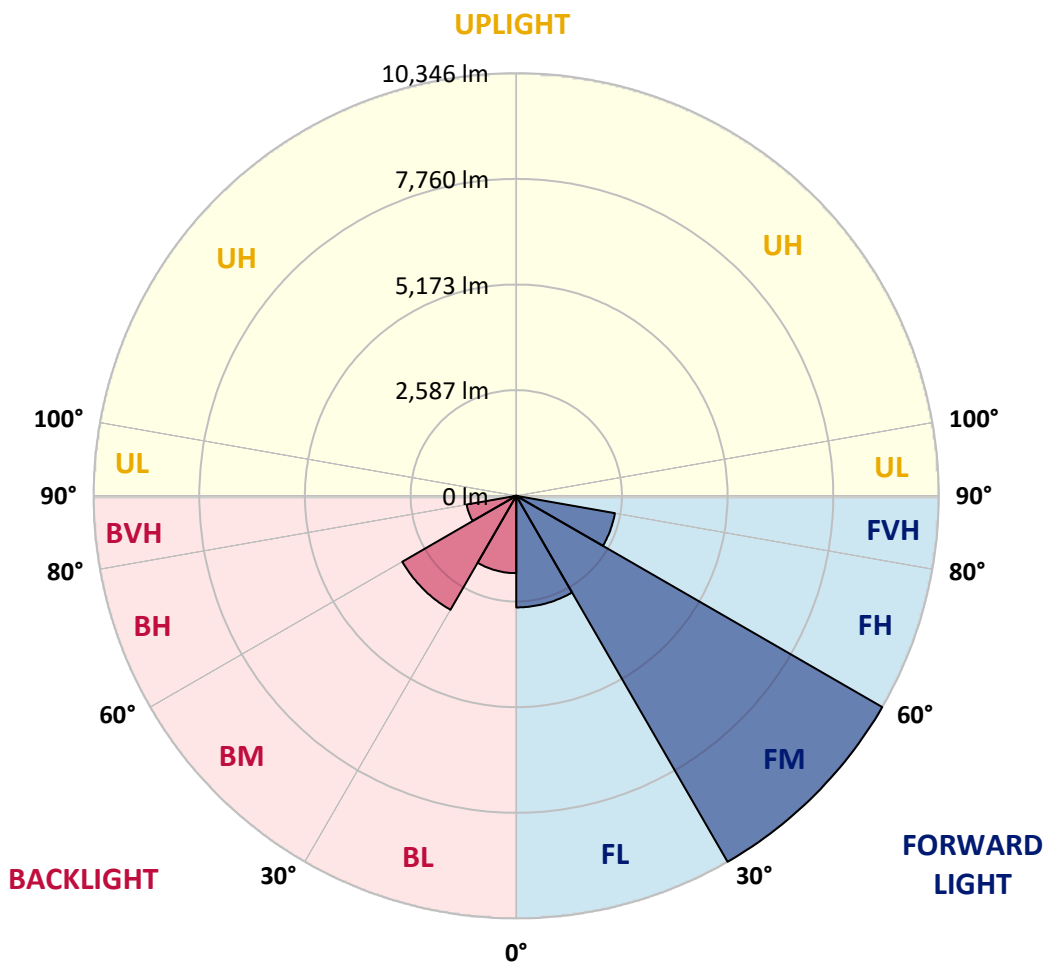


REPORT NUMBER: P530052
 CATALOG NUMBER: GALN-SA5B-730-U-SL2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2732.7	12.4			
FM (30°-60°)	10346.5	47.0			
FH (60°-80°)	2451.2	11.1			G2/5000
FVH (80°-90°)	46.7	0.2			G1/100
BL (0°-30°)	1893.2	8.6	B3/2500		
BM (30°-60°)	3223.4	14.7	B3/5000		
BH (60°-80°)	1232.8	5.6	B3/2500		G3/2500
BVH (80°-90°)	69.5	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





REPORT NUMBER: P530052

CATALOG NUMBER: GALN-SA5B-730-U-SL2-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7277.1	7277.1	7277.1	7277.1	7277.1	7277.1	7277.1	7277.1	7277.1	7277.1	7277.1
2.5°	7186.8	7124.8	7161.5	7147.3	7263.0	7296.9	7280.0	7294.1	7359.0	7327.9	7263.0
5°	6715.6	6803.1	6820.0	6862.4	6930.1	7062.7	7167.1	7195.3	7226.4	7370.3	7356.2
7.5°	6286.7	6346.0	6314.9	6439.1	6585.8	6800.3	6927.3	6949.8	7234.8	7313.8	7373.1
10°	6015.8	5956.6	6097.7	6131.5	6298.0	6543.5	6695.9	6789.0	7048.6	7361.8	7398.5
12.5°	5764.7	5745.0	5829.6	5925.6	6111.8	6365.7	6520.9	6557.6	6958.3	7288.4	7460.6
15°	5578.5	5555.9	5640.6	5711.1	5928.4	6154.1	6351.6	6456.0	6859.5	7246.1	7406.9
17.5°	5431.8	5428.9	5476.9	5603.9	5826.8	6015.8	6334.7	6340.3	6808.7	7311.0	7452.1
20°	5423.3	5420.5	5428.9	5570.0	5773.2	6004.6	6281.1	6331.9	6808.7	7265.9	7454.9
22.5°	5493.8	5448.7	5499.5	5589.8	5736.5	6024.3	6300.8	6413.7	6972.4	7488.8	7581.9
25°	5606.7	5618.0	5646.2	5677.2	5761.9	6069.5	6475.8	6568.9	7164.3	7680.6	7756.8
27.5°	5812.7	5807.0	5818.3	5835.3	5908.6	6111.8	6546.3	6786.2	7565.0	8022.1	7945.9
30°	6114.6	6094.9	6140.0	6199.3	6131.5	6247.2	6780.5	6961.1	7937.4	8366.3	8157.5
32.5°	6388.3	6461.7	6546.3	6571.7	6489.9	6512.5	7090.9	7274.3	8247.8	8789.6	8417.1
35°	6729.7	6789.0	6901.9	6980.9	6966.8	6899.0	7514.2	7756.8	8696.5	9100.0	8690.8
37.5°	7062.7	7133.2	7319.5	7553.7	7423.9	7392.8	7965.6	8166.0	8834.7	9266.4	8891.2
40°	7598.8	7596.0	7917.7	8039.0	8154.7	8101.1	8434.0	8501.8	8908.1	9229.8	8896.8
42.5°	8228.1	8188.6	8515.9	8704.9	8854.5	8860.1	8922.2	8899.6	8941.9	9043.5	8837.5
45°	8826.3	8910.9	9241.0	9579.6	9729.2	9746.1	9334.2	9291.8	9001.2	8989.9	8724.7
47.5°	9557.1	9576.8	9847.7	10293.5	10640.6	10522.1	9867.5	9774.3	9260.8	9348.3	8913.7
50°	9599.4	9746.1	9988.8	10513.6	11580.2	11549.2	10558.8	10383.8	9678.4	9856.2	9441.4
52.5°	8713.4	8679.5	8967.3	9825.1	11509.7	12570.6	11704.4	11286.8	10575.7	10440.3	10296.4
55°	6639.4	6718.4	6972.4	7838.7	9994.4	12584.7	13264.8	12923.3	11535.1	11303.7	11137.2
56°	5824.0	5835.3	6075.1	6865.2	9119.7	12136.1	13561.1	13284.5	12011.9	11659.2	11405.3
57.5°	4827.9	4763.0	4887.2	5318.9	7697.6	11188.0	13236.6	13507.4	12570.6	12043.0	11690.3
60°	3800.8	3786.7	3735.9	3814.9	4864.6	8428.4	11018.7	11628.2	12514.2	11681.8	11196.5
62.5°	3103.9	3033.3	3134.9	3247.8	3380.4	5228.6	7742.7	8101.1	9935.2	9325.7	8411.5
65°	2406.9	2373.0	2500.0	2866.8	2945.8	3321.1	4410.3	4686.8	5866.3	5761.9	5073.4
67.5°	1656.3	1662.0	1772.0	2330.7	2731.4	2697.5	2700.4	2844.3	3061.5	2274.3	1980.8
70°	1049.7	1046.8	1106.1	1501.1	2198.1	2220.7	2107.8	2065.5	1958.3	1185.1	1255.7
72.5°	674.4	654.6	685.7	829.6	1137.1	1314.9	1354.4	1379.8	1134.3	931.2	1010.2
75°	380.9	361.2	349.9	386.6	448.6	519.2	570.0	586.9	657.5	705.4	747.7
77.5°	115.7	104.4	127.0	169.3	222.9	299.1	364.0	375.3	443.0	499.4	541.8
80°	50.8	56.4	79.0	112.9	158.0	211.6	256.8	273.7	318.9	361.2	372.5
82.5°	31.0	33.9	53.6	76.2	110.0	149.5	183.4	189.1	234.2	268.1	276.5
85°	11.3	14.1	28.2	45.1	70.5	95.9	95.9	104.4	95.9	95.9	104.4
87.5°	0.0	0.0	2.8	5.6	5.6	8.5	11.3	11.3	14.1	16.9	19.8
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: P530052

CATALOG NUMBER: GALN-SA5B-730-U-SL2-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7277.1	7277.1	7277.1	7277.1	7277.1	7277.1	7277.1	7277.1	7277.1	7277.1	7277.1
2.5°	7296.9	7282.8	7260.2	7178.4	7169.9	7144.5	7003.4	6980.9	7003.4	6935.7	6941.4
5°	7282.8	7325.1	7155.8	7074.0	6921.6	6811.6	6684.6	6619.7	6504.0	6430.6	6512.5
7.5°	7344.9	7327.9	7116.3	6938.5	6710.0	6430.6	6207.7	6080.7	5877.6	5821.2	5863.5
10°	7322.3	7232.0	6983.7	6749.5	6317.8	6072.3	5711.1	5361.2	5169.3	5070.6	5056.5
12.5°	7291.3	7265.9	6851.1	6447.6	5993.3	5476.9	4969.0	4638.9	4325.7	4190.2	4210.0
15°	7327.9	7113.5	6602.8	6092.0	5488.2	4811.0	4263.6	3837.5	3620.2	3532.8	3532.8
17.5°	7311.0	7040.1	6484.2	5694.2	4929.5	4128.1	3527.1	3270.3	3180.0	3180.0	3205.4
20°	7319.5	7088.1	6244.4	5296.3	4269.2	3476.3	3039.0	2945.8	2985.4	2999.5	3013.6
22.5°	7367.4	6930.1	6010.2	4859.0	3656.9	2974.1	2759.6	2762.4	2833.0	2909.2	2895.1
25°	7426.7	6868.0	5725.2	4424.4	3188.5	2728.6	2660.9	2652.4	2706.0	2745.5	2751.1
27.5°	7375.9	6760.8	5434.6	3882.6	2804.8	2564.9	2550.8	2556.5	2573.4	2652.4	2627.0
30°	7542.4	6791.8	5070.6	3428.4	2593.1	2511.3	2494.4	2485.9	2511.3	2533.9	2514.1
32.5°	7748.4	6681.8	4799.7	2991.0	2488.7	2471.8	2437.9	2426.7	2440.8	2418.2	2429.5
35°	7838.7	6662.0	4447.0	2677.8	2406.9	2392.8	2373.0	2370.2	2373.0	2353.3	2336.4
37.5°	7889.5	6755.1	4043.5	2533.9	2356.1	2370.2	2325.1	2319.4	2268.6	2279.9	2288.4
40°	7976.9	6611.2	3716.2	2395.6	2325.1	2296.9	2257.4	2248.9	2215.0	2195.3	2215.0
42.5°	7849.9	6568.9	3394.5	2336.4	2279.9	2248.9	2220.7	2172.7	2161.4	2144.5	2133.2
45°	7748.4	6326.2	3106.7	2263.0	2226.3	2209.4	2155.8	2105.0	2062.7	2079.6	2054.2
47.5°	7824.6	6241.6	2821.7	2200.9	2153.0	2133.2	2079.6	2040.1	1997.8	1978.0	1972.4
50°	8129.3	6399.6	2581.8	2155.8	2090.9	2079.6	2009.0	1963.9	1924.4	1910.3	1915.9
52.5°	8857.3	6831.3	2418.2	2062.7	2031.6	1980.8	1941.3	1884.9	1859.5	1814.3	1842.6
55°	9780.0	7533.9	2375.9	1975.2	1958.3	1913.1	1859.5	1817.2	1769.2	1732.5	1724.1
56°	10076.3	7869.7	2342.0	1941.3	1913.1	1887.7	1817.2	1791.8	1715.6	1707.1	1701.5
57.5°	10316.1	8166.0	2347.6	1876.4	1848.2	1825.6	1783.3	1721.2	1670.4	1639.4	1653.5
60°	9774.3	7644.0	2240.4	1777.7	1772.0	1729.7	1670.4	1642.2	1580.1	1543.5	1535.0
62.5°	7265.9	5189.1	1817.2	1650.7	1647.9	1602.7	1535.0	1504.0	1492.7	1441.9	1441.9
65°	4184.6	3253.4	1571.7	1546.3	1523.7	1478.6	1410.8	1385.5	1357.2	1340.3	1326.2
67.5°	1786.1	1687.4	1427.8	1425.0	1399.6	1343.1	1275.4	1235.9	1199.2	1165.4	1182.3
70°	1295.2	1314.9	1289.5	1275.4	1244.4	1173.8	1114.6	1066.6	1010.2	987.6	1004.5
72.5°	1027.1	1069.4	1106.1	1108.9	1072.2	990.4	925.5	860.6	798.5	767.5	781.6
75°	778.8	807.0	843.7	852.2	798.5	742.1	680.0	612.3	564.3	527.7	533.3
77.5°	561.5	555.9	589.7	584.1	558.7	519.2	462.8	400.7	347.1	313.2	316.0
80°	383.8	392.2	412.0	409.1	378.1	352.7	310.4	259.6	220.1	191.9	186.2
82.5°	268.1	282.2	299.1	285.0	259.6	234.2	203.2	166.5	135.4	112.9	107.2
85°	95.9	110.0	127.0	135.4	143.9	138.3	115.7	93.1	67.7	56.4	53.6
87.5°	19.8	22.6	25.4	25.4	25.4	22.6	19.8	19.8	16.9	8.5	8.5
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)