

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: P529350

Luminaire Tested: **GALN-SA4C-730-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529350
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-SA4C-730-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1050mA 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: 21469 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

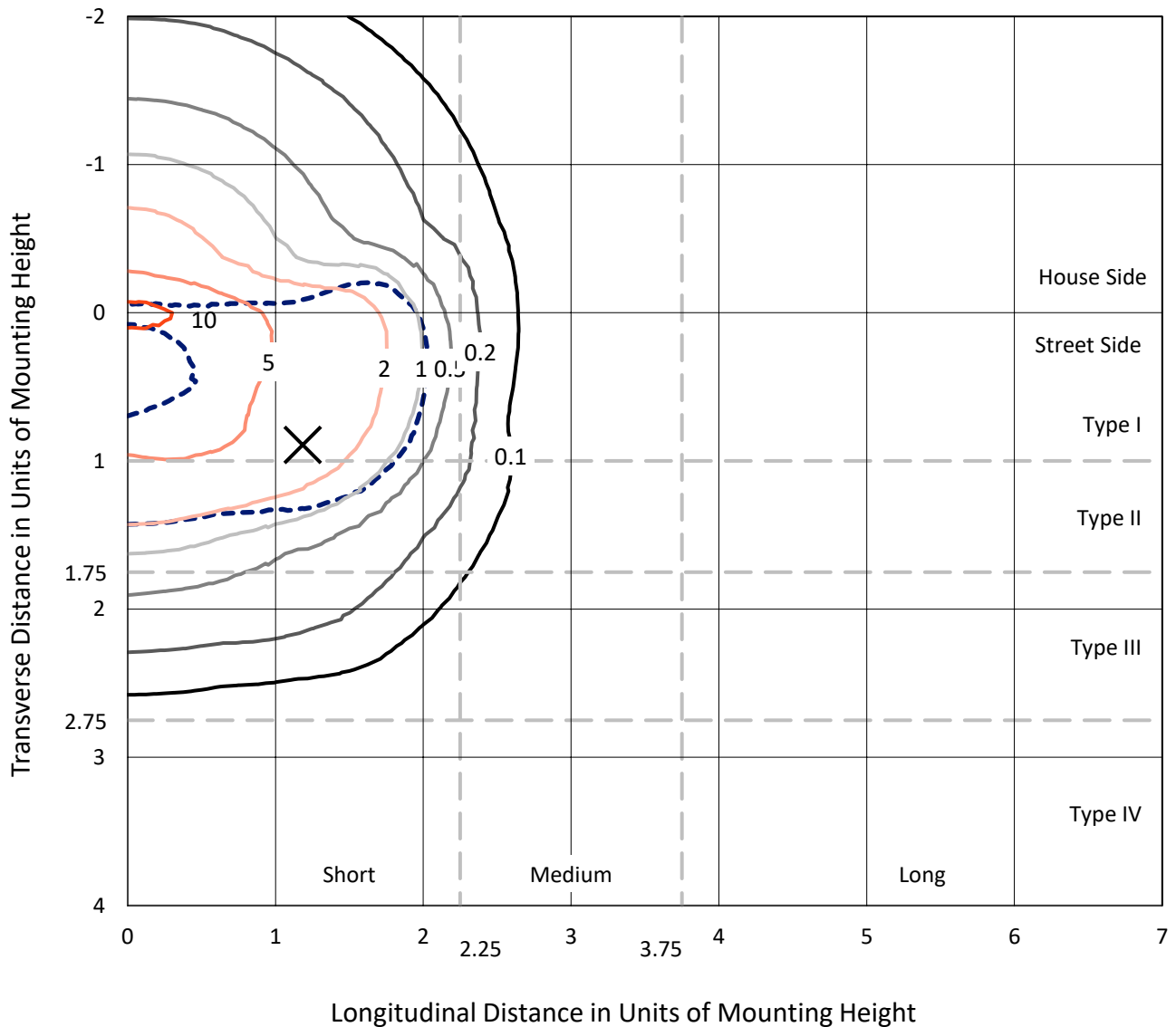
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529350
 CATALOG NUMBER: GALN-SA4C-730-U-SL2-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

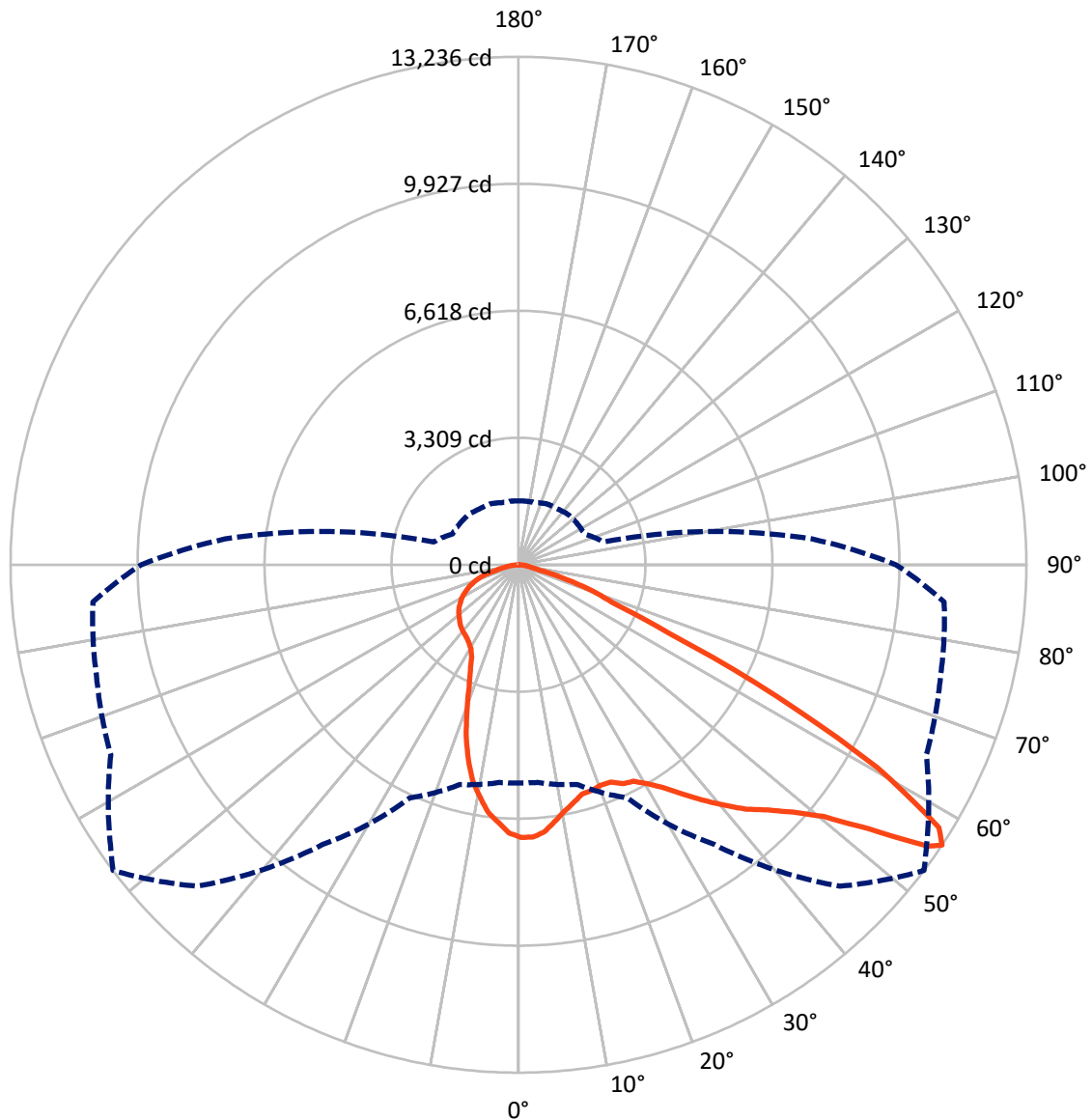
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type II - Short - N/A

REPORT NUMBER: P529350
CATALOG NUMBER: GALN-SA4C-730-U-SL2-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P529350
 CATALOG NUMBER: GALN-SA4C-730-U-SL2-GRSWH

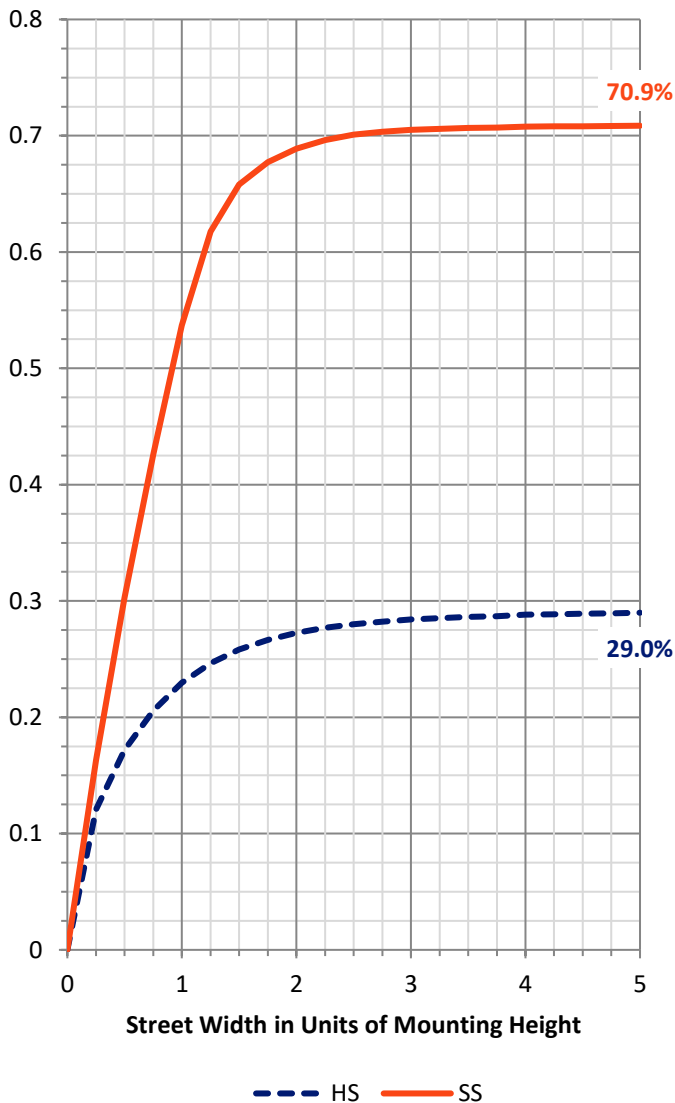
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6265.1	0.0	6265.1
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	15203.9	0.0	15203.9
	% Fixture	70.8	0.0	70.8
Total	Lumens	21469.0	0.0	21469.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.8	2.9
10°-20°	1570.5	7.3
20°-30°	2315.8	10.8
30°-40°	3308.8	15.4
40°-50°	4554.1	21.2
50°-60°	5381.8	25.1
60°-70°	2868.1	13.4
70°-80°	727.6	3.4
80°-90°	113.5	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°	21469.0	100.0
0°-180°	21469.0	100.0

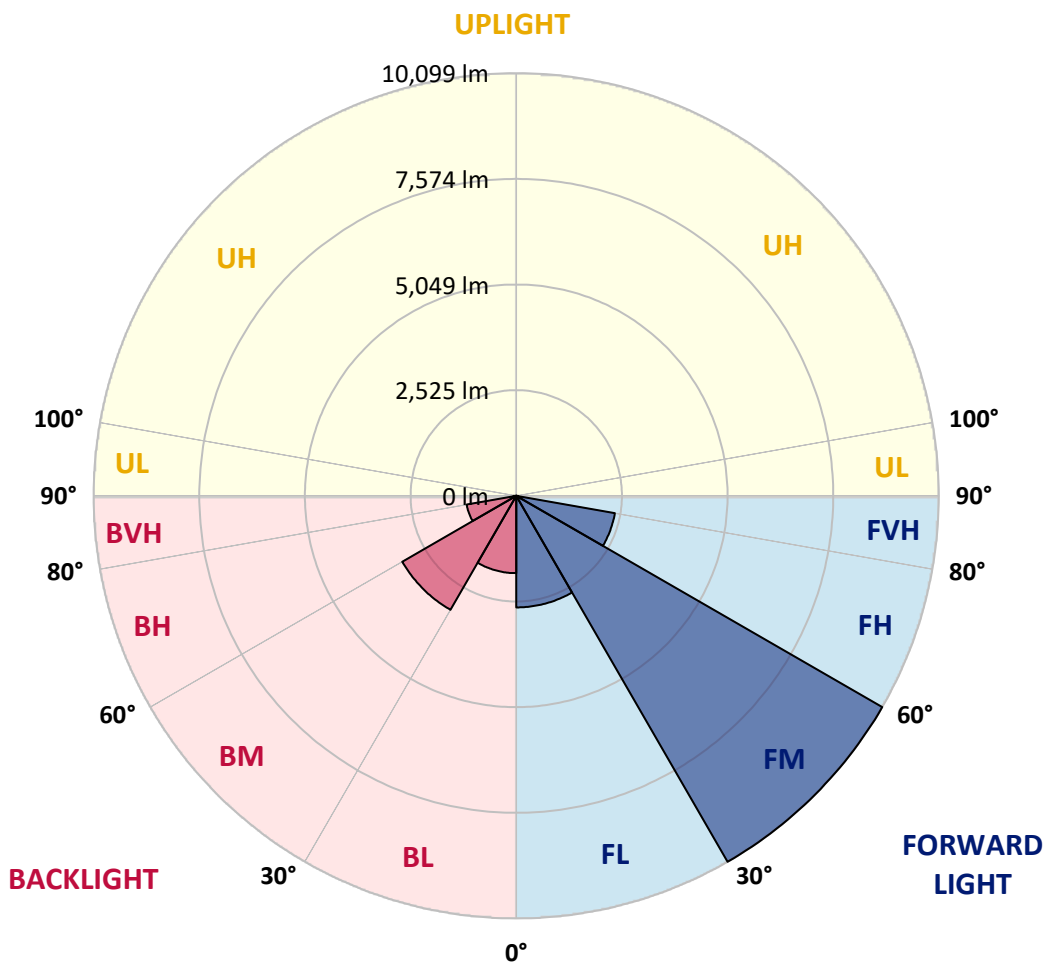


REPORT NUMBER: P529350
 CATALOG NUMBER: GALN-SA4C-730-U-SL2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2667.2	12.4			
FM (30°-60°)	10098.6	47.0			
FH (60°-80°)	2392.5	11.1			G2/5000
FVH (80°-90°)	45.6	0.2			G1/100
BL (0°-30°)	1847.8	8.6	B3/2500		
BM (30°-60°)	3146.1	14.7	B3/5000		
BH (60°-80°)	1203.3	5.6	B3/2500		G3/2500
BVH (80°-90°)	67.9	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: P529350

CATALOG NUMBER: GALN-SA4C-730-U-SL2-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7102.8	7102.8	7102.8	7102.8	7102.8	7102.8	7102.8	7102.8	7102.8	7102.8	7102.8
2.5°	7014.7	6954.1	6989.9	6976.1	7089.0	7122.1	7105.5	7119.3	7182.7	7152.4	7089.0
5°	6554.7	6640.1	6656.6	6697.9	6764.0	6893.5	6995.4	7022.9	7053.2	7193.7	7179.9
7.5°	6136.1	6193.9	6163.6	6284.8	6428.0	6637.4	6761.3	6783.3	7061.5	7138.6	7196.4
10°	5871.7	5813.9	5951.6	5984.6	6147.1	6386.7	6535.4	6626.3	6879.7	7185.4	7221.2
12.5°	5626.6	5607.3	5689.9	5783.6	5965.4	6213.2	6364.7	6400.5	6791.6	7113.8	7281.8
15°	5444.8	5422.8	5505.4	5574.3	5786.3	6006.7	6199.5	6301.4	6695.2	7072.5	7229.5
17.5°	5301.6	5298.9	5345.7	5469.6	5687.2	5871.7	6182.9	6188.4	6645.6	7135.8	7273.5
20°	5293.4	5290.6	5298.9	5436.6	5634.9	5860.7	6130.6	6180.2	6645.6	7091.8	7276.3
22.5°	5362.2	5318.1	5367.7	5455.8	5599.1	5880.0	6149.9	6260.0	6805.3	7309.3	7400.2
25°	5472.4	5483.4	5510.9	5541.2	5623.8	5924.0	6320.6	6411.5	6992.6	7496.6	7571.0
27.5°	5673.4	5667.9	5678.9	5695.5	5767.1	5965.4	6389.5	6623.6	7383.7	7829.9	7755.5
30°	5968.1	5948.8	5992.9	6050.7	5984.6	6097.5	6618.1	6794.3	7747.2	8165.9	7962.1
32.5°	6235.3	6306.9	6389.5	6414.3	6334.4	6356.4	6921.0	7100.0	8050.2	8579.0	8215.4
35°	6568.5	6626.3	6736.5	6813.6	6799.8	6733.7	7334.1	7571.0	8488.1	8881.9	8482.6
37.5°	6893.5	6962.3	7144.1	7372.7	7246.0	7215.7	7774.8	7970.3	8623.0	9044.4	8678.1
40°	7416.8	7414.0	7728.0	7846.4	7959.3	7907.0	8232.0	8298.1	8694.7	9008.6	8683.6
42.5°	8030.9	7992.4	8311.8	8496.4	8642.3	8647.8	8708.4	8686.4	8727.7	8826.9	8625.8
45°	8614.8	8697.4	9019.6	9350.1	9496.1	9512.6	9110.5	9069.2	8785.5	8774.5	8515.6
47.5°	9328.1	9347.4	9611.8	10046.9	10385.7	10270.0	9631.0	9540.2	9038.9	9124.3	8700.2
50°	9369.4	9512.6	9749.5	10261.7	11302.8	11272.5	10305.8	10135.0	9446.5	9620.0	9215.2
52.5°	8504.6	8471.6	8752.5	9589.7	11233.9	12269.5	11424.0	11016.3	10322.3	10190.1	10049.7
55°	6480.4	6557.5	6805.3	7650.9	9755.0	12283.2	12947.0	12613.7	11258.7	11032.9	10870.4
56°	5684.4	5695.5	5929.6	6700.7	8901.2	11845.3	13236.1	12966.2	11724.1	11379.9	11132.0
57.5°	4712.2	4648.9	4770.1	5191.5	7513.2	10920.0	12919.4	13183.8	12269.5	11754.4	11410.2
60°	3709.8	3696.0	3646.4	3723.5	4748.0	8226.5	10754.7	11349.6	12214.4	11401.9	10928.2
62.5°	3029.5	2960.6	3059.8	3170.0	3299.4	5103.3	7557.2	7907.0	9697.1	9102.3	8209.9
65°	2349.2	2316.2	2440.1	2798.2	2875.3	3241.6	4304.6	4574.5	5725.7	5623.8	4951.8
67.5°	1616.6	1622.2	1729.6	2274.9	2666.0	2632.9	2635.7	2776.1	2988.2	2219.8	1933.4
70°	1024.5	1021.8	1079.6	1465.2	2145.4	2167.5	2057.3	2016.0	1911.3	1156.7	1225.6
72.5°	658.2	638.9	669.2	809.7	1109.9	1283.4	1322.0	1346.7	1107.1	908.8	986.0
75°	371.8	352.5	341.5	377.3	437.9	506.8	556.3	572.9	641.7	688.5	729.8
77.5°	112.9	101.9	123.9	165.2	217.6	291.9	355.3	366.3	432.4	487.5	528.8
80°	49.6	55.1	77.1	110.2	154.2	206.6	250.6	267.1	311.2	352.5	363.5
82.5°	30.3	33.0	52.3	74.4	107.4	146.0	179.0	184.5	228.6	261.6	269.9
85°	11.0	13.8	27.5	44.1	68.9	93.6	93.6	101.9	93.6	93.6	101.9
87.5°	0.0	0.0	2.8	5.5	5.5	8.3	11.0	11.0	13.8	16.5	19.3
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: P529350

CATALOG NUMBER: GALN-SA4C-730-U-SL2-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7102.8	7102.8	7102.8	7102.8	7102.8	7102.8	7102.8	7102.8	7102.8	7102.8	7102.8
2.5°	7122.1	7108.3	7086.3	7006.4	6998.1	6973.3	6835.6	6813.6	6835.6	6769.5	6775.1
5°	7108.3	7149.6	6984.4	6904.5	6755.8	6648.4	6524.4	6461.1	6348.2	6276.6	6356.4
7.5°	7168.9	7152.4	6945.8	6772.3	6549.2	6276.6	6059.0	5935.1	5736.8	5681.7	5723.0
10°	7146.9	7058.7	6816.4	6587.8	6166.4	5926.8	5574.3	5232.8	5045.5	4949.1	4935.3
12.5°	7116.6	7091.8	6686.9	6293.1	5849.7	5345.7	4849.9	4527.7	4222.0	4089.8	4109.1
15°	7152.4	6943.1	6444.6	5946.1	5356.7	4695.7	4161.4	3745.6	3533.5	3448.1	3448.1
17.5°	7135.8	6871.4	6328.9	5557.7	4811.4	4029.2	3442.6	3192.0	3103.9	3103.9	3128.6
20°	7144.1	6918.3	6094.8	5169.4	4166.9	3393.0	2966.2	2875.3	2913.8	2927.6	2941.4
22.5°	7190.9	6764.0	5866.2	4742.5	3569.3	2902.8	2693.5	2696.3	2765.1	2839.5	2825.7
25°	7248.8	6703.4	5588.0	4318.4	3112.1	2663.2	2597.1	2588.8	2641.2	2679.7	2685.2
27.5°	7199.2	6598.8	5304.4	3789.6	2737.6	2503.5	2489.7	2495.2	2511.7	2588.8	2564.1
30°	7361.7	6629.1	4949.1	3346.2	2531.0	2451.1	2434.6	2426.4	2451.1	2473.2	2453.9
32.5°	7562.7	6521.7	4684.7	2919.3	2429.1	2412.6	2379.5	2368.5	2382.3	2360.3	2371.3
35°	7650.9	6502.4	4340.4	2613.6	2349.2	2335.5	2316.2	2313.4	2316.2	2296.9	2280.4
37.5°	7700.4	6593.3	3946.6	2473.2	2299.7	2313.4	2269.4	2263.9	2214.3	2225.3	2233.6
40°	7785.8	6452.8	3627.1	2338.2	2269.4	2241.8	2203.3	2195.0	2162.0	2142.7	2162.0
42.5°	7661.9	6411.5	3313.2	2280.4	2225.3	2195.0	2167.5	2120.6	2109.6	2093.1	2082.1
45°	7562.7	6174.7	3032.3	2208.8	2173.0	2156.5	2104.1	2054.5	2013.2	2029.8	2005.0
47.5°	7637.1	6092.0	2754.1	2148.2	2101.4	2082.1	2029.8	1991.2	1949.9	1930.6	1925.1
50°	7934.5	6246.3	2520.0	2104.1	2040.8	2029.8	1960.9	1916.8	1878.3	1864.5	1870.0
52.5°	8645.1	6667.6	2360.3	2013.2	1982.9	1933.4	1894.8	1839.7	1814.9	1770.9	1798.4
55°	9545.7	7353.4	2318.9	1927.9	1911.3	1867.3	1814.9	1773.6	1726.8	1691.0	1682.7
56°	9834.8	7681.1	2285.9	1894.8	1867.3	1842.5	1773.6	1748.8	1674.5	1666.2	1660.7
57.5°	10068.9	7970.3	2291.4	1831.5	1803.9	1781.9	1740.6	1680.0	1630.4	1600.1	1613.9
60°	9540.2	7460.8	2186.7	1735.1	1729.6	1688.3	1630.4	1602.9	1542.3	1506.5	1498.2
62.5°	7091.8	5064.8	1773.6	1611.1	1608.4	1564.3	1498.2	1467.9	1456.9	1407.3	1407.3
65°	4084.3	3175.5	1534.0	1509.2	1487.2	1443.1	1377.0	1352.3	1324.7	1308.2	1294.4
67.5°	1743.3	1646.9	1393.6	1390.8	1366.0	1310.9	1244.8	1206.3	1170.5	1137.4	1154.0
70°	1264.1	1283.4	1258.6	1244.8	1214.6	1145.7	1087.9	1041.0	986.0	963.9	980.5
72.5°	1002.5	1043.8	1079.6	1082.4	1046.6	966.7	903.3	840.0	779.4	749.1	762.9
75°	760.1	787.7	823.5	831.7	779.4	724.3	663.7	597.6	550.8	515.0	520.5
77.5°	548.1	542.6	575.6	570.1	545.3	506.8	451.7	391.1	338.8	305.7	308.5
80°	374.6	382.8	402.1	399.3	369.0	344.3	302.9	253.4	214.8	187.3	181.8
82.5°	261.6	275.4	291.9	278.2	253.4	228.6	198.3	162.5	132.2	110.2	104.7
85°	93.6	107.4	123.9	132.2	140.5	135.0	112.9	90.9	66.1	55.1	52.3
87.5°	19.3	22.0	24.8	24.8	24.8	22.0	19.3	19.3	16.5	8.3	8.3
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)