

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: P954489

Luminaire Tested: **GALN-SB7D-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7D-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59666 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 512.8
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

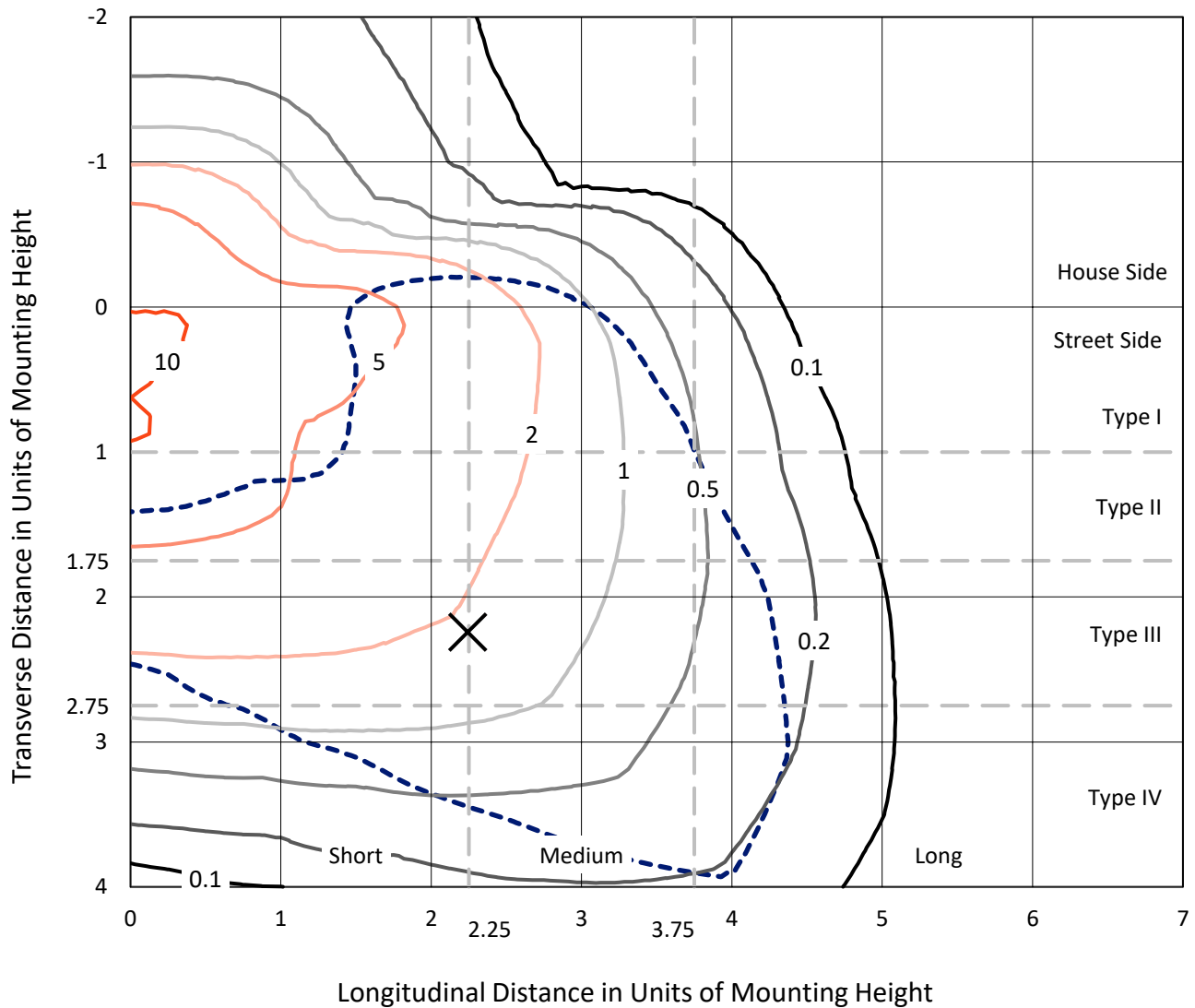


REPORT NUMBER: P954489

CATALOG NUMBER: GALN-SB7D-722-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

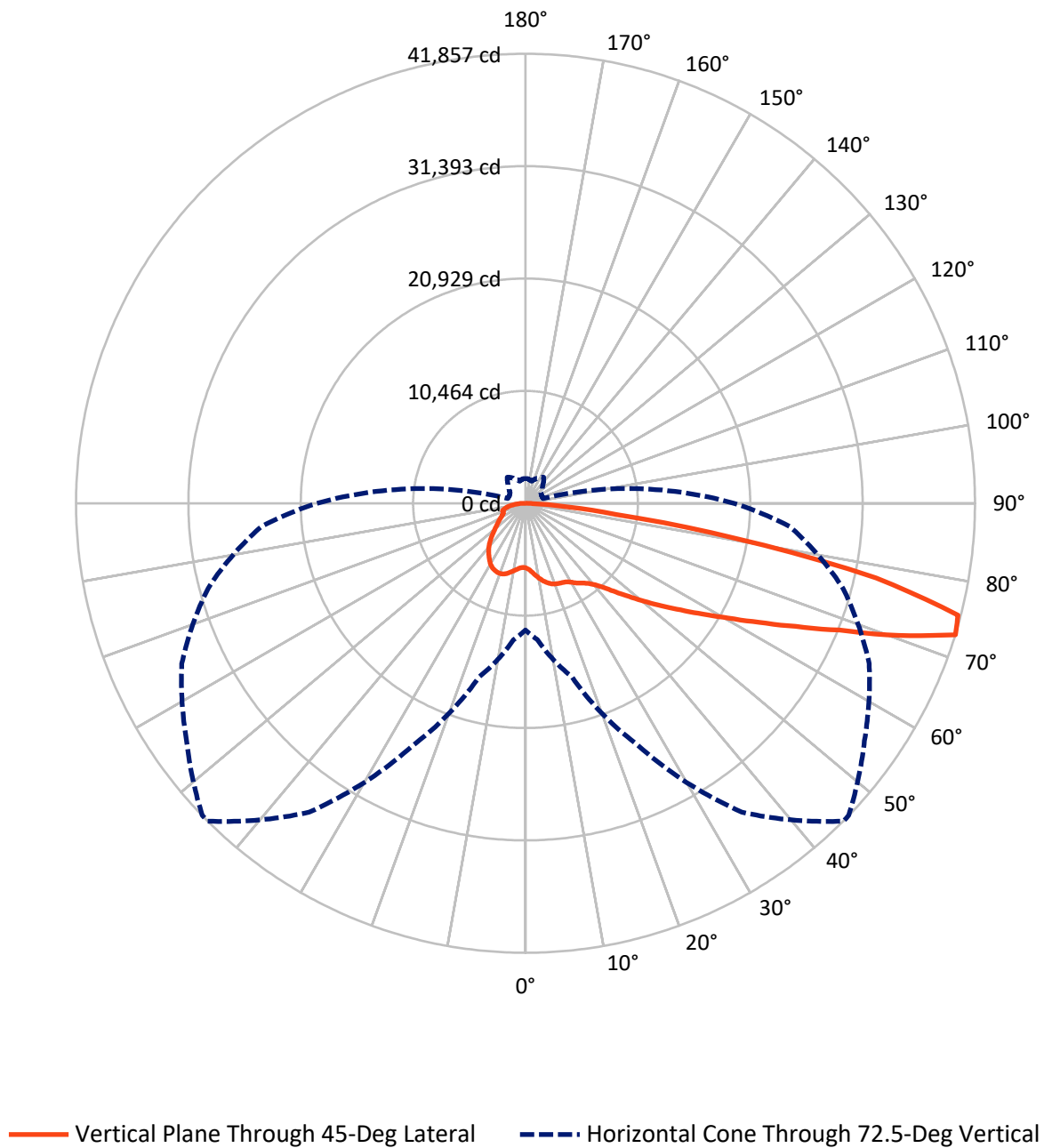


Based on 25 foot mounting height. Maximum calculated value = 12 fc
Type IV - Short - N/A

REPORT NUMBER: P954489

CATALOG NUMBER: GALN-SB7D-722-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P954489

CATALOG NUMBER: GALN-SB7D-722-U-T4W

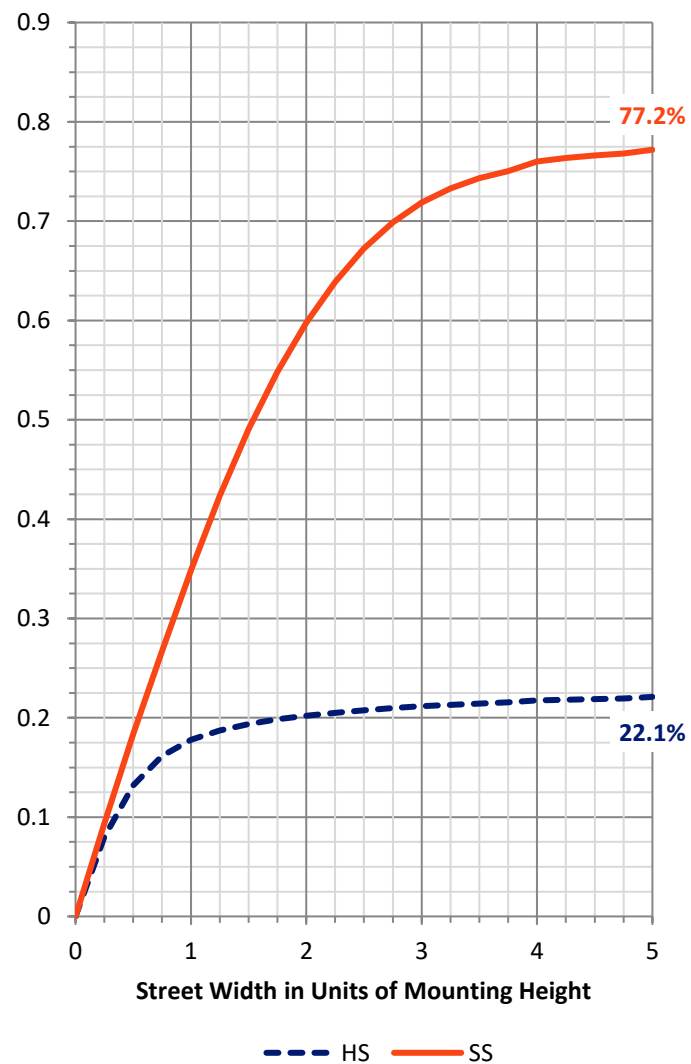
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13488.4	0.0	13488.4
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	46177.6	0.0	46177.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	59666.0	0.0	59666.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	612.6	1.0
10°-20°	2042.6	3.4
20°-30°	3553.2	6.0
30°-40°	5093.7	8.5
40°-50°	7172.2	12.0
50°-60°	10985.7	18.4
60°-70°	15914.5	26.7
70°-80°	12708.7	21.3
80°-90°	1582.8	2.7
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°	59666.0	100.0
0°-180°	59666.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954489

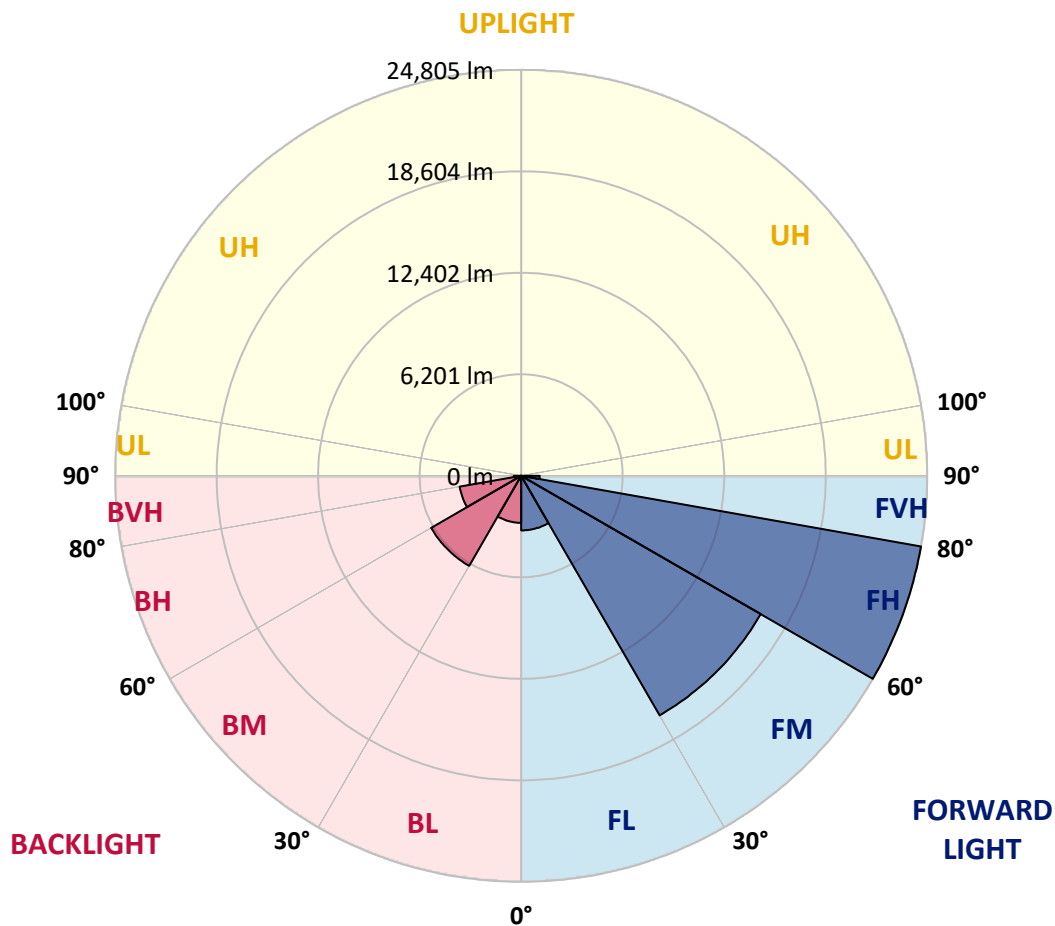
CATALOG NUMBER: GALN-SB7D-722-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3336.6	5.6			
FM	(30°-60°)	16900.5	28.3			
FH	(60°-80°)	24804.9	41.6			G5
FVH	(80°-90°)	1135.5	1.9			G5
BL	(0°-30°)	2871.8	4.8	B4/5000		
BM	(30°-60°)	6351.1	10.6	B4/8500		
BH	(60°-80°)	3818.2	6.4	B4/5000		G4/5000
BVH	(80°-90°)	447.3	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



REPORT NUMBER: P954489

CATALOG NUMBER: GALN-SB7D-722-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1
2.5°	6254.9	6295.7	6258.0	6223.4	6207.7	6166.9	6163.7	6138.6	6122.9	6078.9	6066.3
5°	6691.8	6745.2	6682.3	6613.2	6550.3	6449.8	6437.2	6364.9	6283.2	6188.9	6135.4
7.5°	7185.2	7232.4	7160.1	7056.4	6946.4	6779.8	6776.6	6644.6	6515.8	6355.5	6264.3
10°	7615.9	7678.7	7581.3	7439.8	7301.5	7113.0	7091.0	6940.1	6776.6	6569.2	6430.9
12.5°	7996.2	8040.2	7945.9	7773.0	7612.7	7424.1	7395.8	7229.3	7046.9	6811.2	6635.2
15°	8297.9	8354.5	8228.8	8043.3	7873.6	7688.2	7663.0	7512.1	7329.8	7081.5	6855.2
17.5°	8495.9	8543.1	8414.2	8206.8	8043.3	7889.3	7870.5	7744.7	7584.4	7333.0	7091.0
20°	8571.4	8621.7	8486.5	8275.9	8125.1	8005.6	7996.2	7905.0	7795.0	7565.6	7320.4
22.5°	8646.8	8694.0	8517.9	8297.9	8165.9	8090.5	8087.3	8027.6	7983.6	7795.0	7556.1
25°	8951.7	8964.3	8728.5	8411.1	8222.5	8156.5	8153.3	8150.2	8169.1	8021.3	7810.7
27.5°	9215.7	9212.6	9011.4	8712.8	8420.5	8282.2	8279.1	8310.5	8370.2	8247.6	8074.8
30°	9602.3	9567.8	9328.9	9017.7	8750.5	8536.8	8517.9	8489.7	8536.8	8439.4	8338.8
32.5°	10422.7	10312.7	9926.1	9372.9	9024.0	8860.5	8835.4	8659.4	8678.2	8618.5	8568.2
35°	11598.2	11453.6	10938.2	10045.5	9363.5	9130.9	9118.3	8895.1	8857.4	8804.0	8822.8
37.5°	12996.9	12817.8	12217.4	11019.9	9948.1	9445.2	9426.3	9225.2	9071.1	9014.6	9121.4
40°	14401.9	14175.6	13679.0	12208.0	10809.3	9970.1	9910.4	9605.5	9429.5	9335.2	9561.5
42.5°	15766.1	15577.5	15153.1	13540.7	11871.7	10737.0	10605.0	10083.2	9951.2	9863.2	10271.8
45°	16973.0	16803.3	16492.1	14964.6	13116.4	11780.5	11651.7	10799.9	10759.0	10759.0	11349.9
47.5°	17953.7	17916.0	17585.9	16416.7	14584.2	12968.6	12745.5	11796.3	11906.3	12076.0	12880.6
50°	19041.2	18937.5	18585.5	17846.8	16309.8	14329.6	14147.3	13018.9	13430.7	13895.9	15093.4
52.5°	20040.7	20097.3	19704.4	19336.7	18258.6	15847.8	15527.2	14461.6	15351.2	16121.2	17686.5
55°	21068.6	21071.7	20961.7	20911.4	20301.6	17526.2	17174.2	16196.7	17611.1	18566.6	20710.2
57.5°	22033.5	22039.8	22203.2	22646.4	22671.6	19462.4	19063.2	18327.7	20122.5	21096.8	23828.2
60°	22894.7	22938.7	23385.1	24422.3	24755.5	21681.5	21304.3	20845.4	22718.7	23699.4	27106.6
62.5°	23183.9	23344.2	24337.4	25811.6	26814.2	24403.4	24032.5	23759.1	25447.0	26358.5	29847.4
65°	22693.6	23061.3	24981.8	26958.8	28932.7	27637.7	27270.0	26971.4	28282.1	29140.2	32097.9
67.5°	21489.7	21964.4	24944.1	28162.7	31503.8	31529.0	31186.4	30485.4	31321.5	31651.6	32830.2
70°	18318.3	19028.6	22747.0	28612.1	34455.2	36850.3	36520.3	34716.1	34354.7	32757.9	30768.3
72.5°	11802.5	12758.1	16749.9	24912.6	35112.2	41857.4	41838.5	38535.1	35313.3	30608.0	24676.9
75°	4306.1	4890.7	7782.4	15637.2	29473.3	41602.8	41725.4	37881.3	32236.2	23642.8	15373.2
77.5°	1568.4	1716.2	2539.7	6009.7	18126.6	33380.3	33634.9	30284.3	22945.0	11865.4	6091.4
80°	823.5	905.2	1301.3	2332.2	7766.7	19823.9	20223.0	17997.7	10784.2	3573.8	1826.2
82.5°	455.8	493.5	729.2	1266.7	3498.3	8477.1	8716.0	7109.8	3793.8	1515.0	754.4
85°	245.2	260.9	342.6	691.5	1709.9	2938.8	3004.9	2124.8	1511.9	889.5	364.6
87.5°	72.3	88.0	113.2	220.0	669.5	660.1	675.8	421.2	597.2	449.5	119.4
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: P954489

CATALOG NUMBER: GALN-SB7D-722-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1
2.5°	6047.4	6038.0	6003.4	5987.7	5968.8	5965.7	5981.4	5984.6	5987.7	5990.8	6003.4
5°	6104.0	6072.6	6041.1	6022.3	6028.6	6031.7	6063.1	6085.1	6100.9	6113.4	6119.7
7.5°	6214.0	6188.9	6135.4	6132.3	6141.7	6170.0	6210.9	6261.2	6289.4	6311.5	6317.7
10°	6377.5	6330.3	6267.4	6276.9	6295.7	6336.6	6421.5	6462.3	6509.5	6550.3	6540.9
12.5°	6544.0	6503.2	6430.9	6437.2	6468.6	6540.9	6622.6	6672.9	6704.3	6735.8	6748.3
15°	6760.9	6688.6	6610.1	6610.1	6666.6	6745.2	6782.9	6823.8	6842.6	6877.2	6889.8
17.5°	6984.1	6889.8	6786.1	6779.8	6848.9	6886.6	6908.7	6914.9	6921.2	6958.9	6971.5
20°	7207.2	7103.5	6955.8	6943.2	6958.9	6952.7	6949.5	6943.2	6952.7	6999.8	7018.7
22.5°	7427.3	7307.8	7103.5	7046.9	7002.9	6943.2	6940.1	6936.9	6943.2	6990.4	7021.8
25°	7685.0	7540.4	7267.0	7097.2	6949.5	6867.8	6877.2	6880.4	6886.6	6924.4	6974.7
27.5°	7964.7	7804.4	7417.8	7081.5	6814.4	6757.8	6742.1	6751.5	6773.5	6833.2	6892.9
30°	8244.5	8055.9	7556.1	7018.7	6644.6	6566.0	6515.8	6537.8	6606.9	6666.6	6732.6
32.5°	8499.1	8310.5	7666.2	6880.4	6427.7	6305.2	6239.2	6267.4	6336.6	6358.6	6437.2
35°	8797.7	8584.0	7713.3	6660.3	6192.0	6003.4	5915.4	5874.6	5909.1	5887.1	5956.3
37.5°	9130.9	8907.7	7707.0	6371.2	5915.4	5698.5	5576.0	5421.9	5349.6	5274.2	5321.4
40°	9624.3	9303.7	7631.6	6022.3	5572.8	5374.8	5154.8	4893.9	4730.4	4582.7	4592.1
42.5°	10297.0	9853.8	7493.3	5638.8	5186.2	5000.8	4702.2	4397.3	4139.5	3894.4	3872.4
45°	11299.6	10573.6	7320.4	5230.2	4768.2	4585.9	4262.1	3919.5	3627.2	3312.9	3275.2
47.5°	12745.5	11541.7	7157.0	4765.0	4328.1	4161.5	3869.2	3551.8	3206.0	2901.1	2866.6
50°	14732.0	12930.9	7006.1	4312.4	3894.4	3768.6	3536.0	3212.3	2863.4	2618.2	2602.5
52.5°	17259.1	14820.0	6943.2	3875.5	3488.9	3441.8	3256.3	2954.6	2624.5	2417.1	2401.4
55°	20160.2	17079.9	6943.2	3457.5	3133.7	3149.4	3020.6	2740.8	2454.8	2269.4	2250.5
57.5°	23121.0	19368.1	6817.5	3070.9	2832.0	2898.0	2816.3	2571.1	2313.4	2121.6	2090.2
60°	25849.3	21285.4	6308.3	2718.8	2564.8	2668.5	2615.1	2404.5	2090.2	1929.9	1904.8
62.5°	27945.8	22366.7	5327.6	2439.1	2344.8	2464.2	2435.9	2184.5	2049.3	1983.3	1961.3
65°	28995.6	22190.7	4073.5	2190.8	2159.3	2344.8	2285.1	2275.6	2168.8	2093.3	2068.2
67.5°	28351.2	20675.7	2954.6	2008.5	2052.5	2234.8	2464.2	2501.9	2303.9	2156.2	2131.1
70°	25525.5	17934.8	2200.2	1835.6	1917.3	2237.9	2810.0	2618.2	2259.9	2087.1	2058.8
72.5°	19418.4	13374.1	1706.7	1653.3	1741.3	2253.6	2964.0	2564.8	2134.2	2307.1	2288.2
75°	11104.8	7342.4	1370.4	1430.1	1521.3	2105.9	2885.4	2426.5	2036.8	2118.5	2118.5
77.5°	4233.8	2822.6	1131.5	1210.1	1222.7	1838.7	2759.7	2417.1	1939.3	1892.2	1725.6
80°	1467.9	1103.2	936.7	961.8	946.1	1634.4	2646.5	2102.8	1587.3	1420.7	1373.6
82.5°	600.3	550.1	741.8	710.4	672.6	1269.8	2137.3	1719.3	1298.1	1147.3	1134.7
85°	260.9	348.9	490.3	430.6	389.8	880.1	1713.0	1455.3	1097.0	946.1	942.9
87.5°	53.4	132.0	207.4	194.9	201.2	587.8	1216.4	1034.1	776.4	581.5	455.8
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)