

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: P941949

Luminaire Tested: **GALN-SB5D-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5D-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41970 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 364.9
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



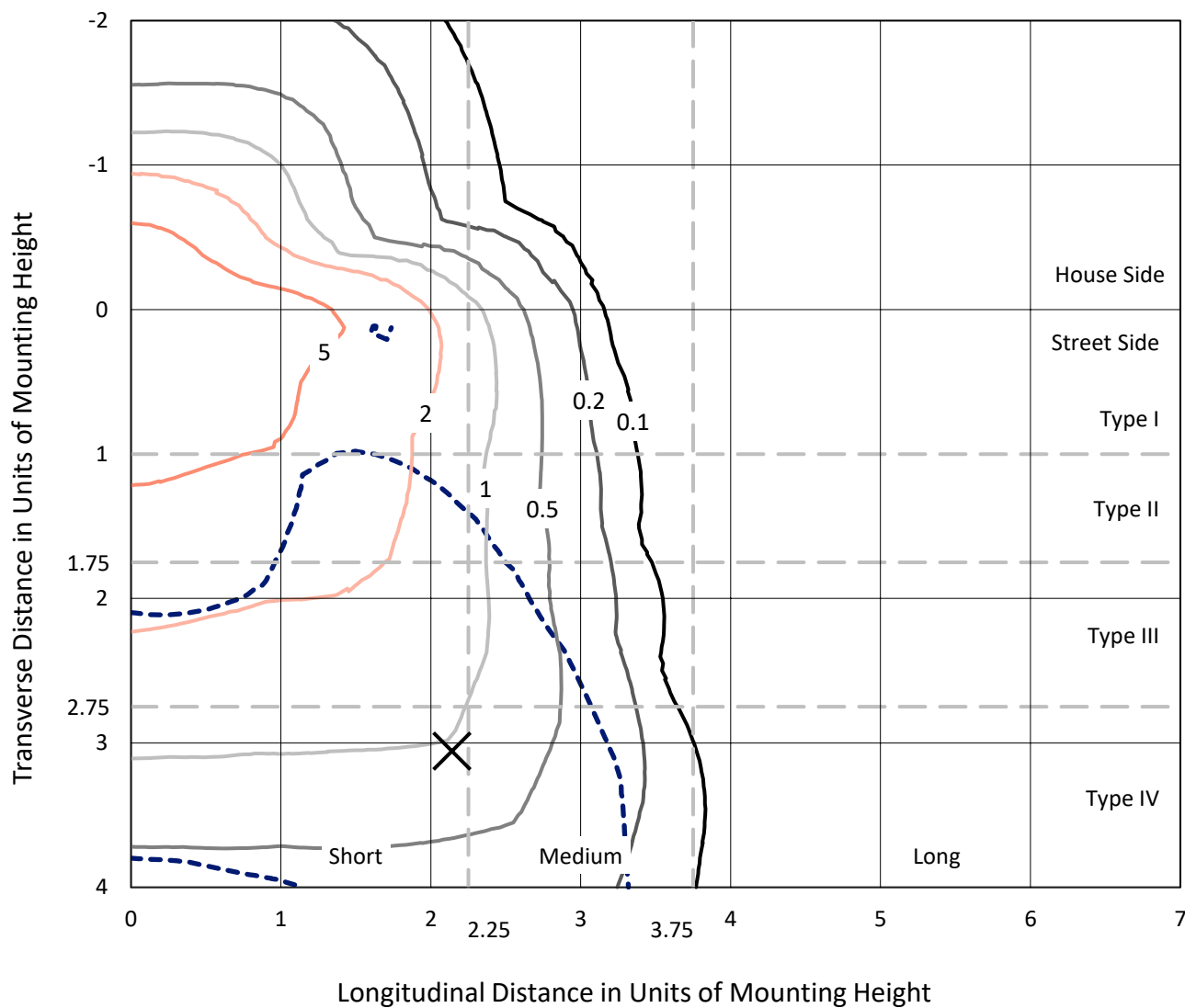
REPORT NUMBER: P941949

CATALOG NUMBER: GALN-SB5D-722-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

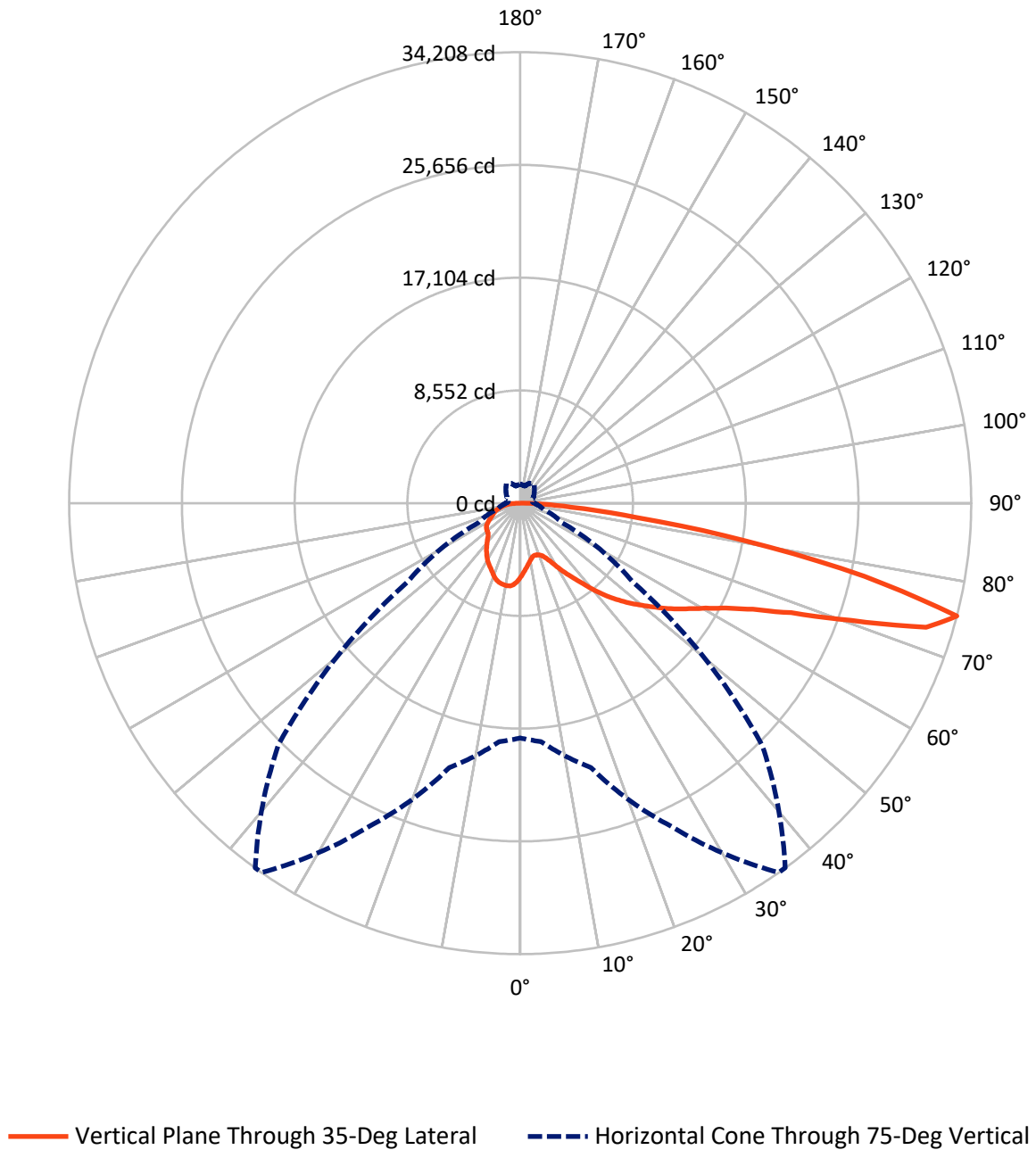


Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
Type IV - Short - N/A

REPORT NUMBER: P941949

CATALOG NUMBER: GALN-SB5D-722-U-T4FT

Luminous Intensity Polar Plot



REPORT NUMBER: P941949

CATALOG NUMBER: GALN-SB5D-722-U-T4FT

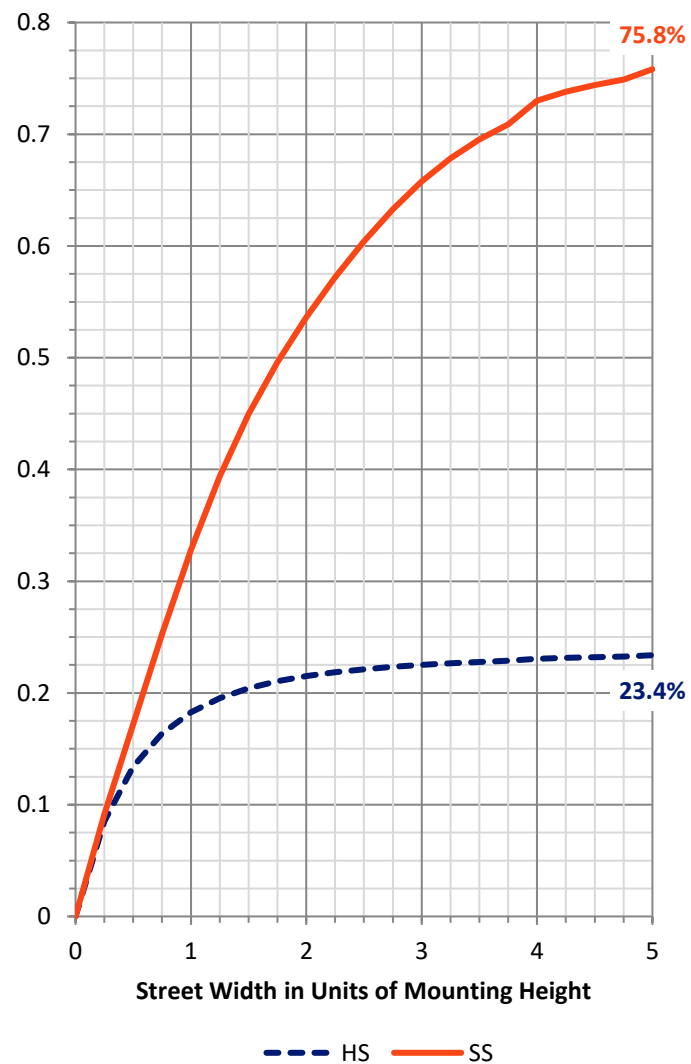
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9987.8	0.0	9987.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	31982.2	0.0	31982.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	41970.0	0.0	41970.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.5	1.3
10°-20°	1527.4	3.6
20°-30°	2564.9	6.1
30°-40°	3986.2	9.5
40°-50°	5916.5	14.1
50°-60°	8168.1	19.5
60°-70°	9909.8	23.6
70°-80°	8189.7	19.5
80°-90°	1177.9	2.8
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°	41970.0	100.0
0°-180°	41970.0	100.0

Coefficient of Utilization



REPORT NUMBER: P941949

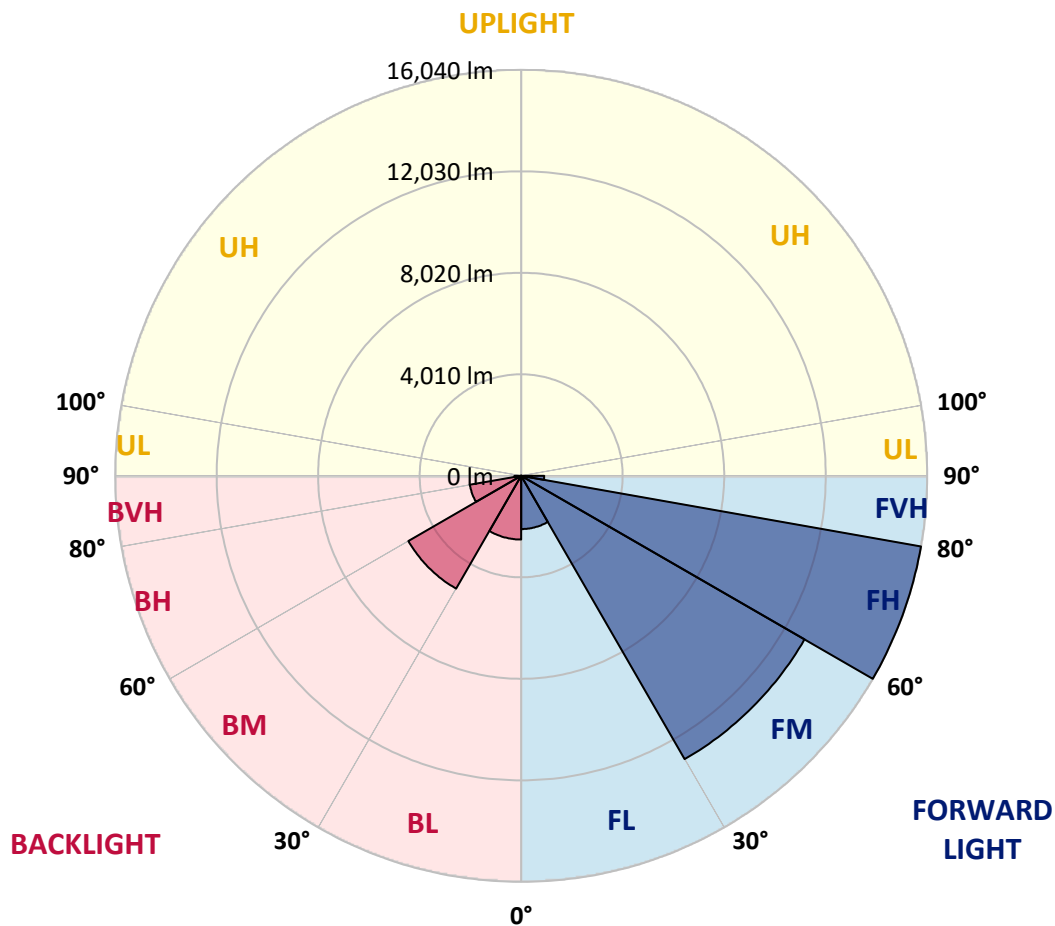
CATALOG NUMBER: GALN-SB5D-722-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2104.7	5.0			
FM	(30°-60°)	12924.5	30.8			
FH	(60°-80°)	16040.3	38.2			G5
FVH	(80°-90°)	912.7	2.2			G5
BL	(0°-30°)	2517.1	6.0	B4/5000		
BM	(30°-60°)	5146.3	12.3	B4/8500		
BH	(60°-80°)	2059.2	4.9	B3/2500		G3/2500
BVH	(80°-90°)	265.2	0.6			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: P941949

CATALOG NUMBER: GALN-SB5D-722-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	5592.8	5592.8	5592.8	5592.8	5592.8	5592.8	5592.8	5592.8	5592.8	5592.8	5592.8
2.5°	5157.2	5188.9	5202.5	5195.7	5229.8	5225.2	5272.9	5331.9	5413.5	5493.0	5608.7
5°	4760.1	4794.1	4823.6	4850.9	4916.7	4937.1	5012.0	5125.4	5275.1	5427.2	5617.7
7.5°	4390.3	4419.8	4465.2	4515.1	4626.2	4646.7	4771.5	4948.4	5157.2	5379.5	5642.7
10°	4088.5	4118.0	4165.7	4222.4	4360.8	4385.7	4544.6	4780.5	5052.8	5334.1	5669.9
12.5°	3959.2	3968.3	3995.5	4052.2	4172.5	4188.4	4363.1	4633.1	4950.7	5300.1	5710.8
15°	3952.4	3970.5	3972.8	4002.3	4102.1	4108.9	4270.0	4537.8	4887.2	5293.3	5772.0
17.5°	4020.5	4034.1	4013.6	4031.8	4115.7	4127.1	4254.1	4492.4	4866.7	5322.8	5876.4
20°	4202.0	4213.3	4152.0	4127.1	4188.4	4197.4	4322.2	4521.9	4887.2	5384.0	6019.3
22.5°	4587.7	4594.5	4444.7	4342.6	4347.2	4351.7	4460.6	4642.1	4966.6	5495.2	6200.8
25°	5188.9	5184.4	4946.2	4748.8	4635.3	4610.4	4683.0	4837.2	5100.4	5642.7	6434.5
27.5°	5892.3	5858.2	5620.0	5325.1	5077.8	5041.4	5025.6	5091.4	5291.0	5837.8	6720.4
30°	6686.4	6654.6	6398.2	6012.5	5669.9	5610.9	5461.2	5427.2	5574.6	6103.3	7117.5
32.5°	7557.6	7537.2	7230.9	6763.5	6305.2	6237.1	5985.3	5894.5	6010.3	6504.9	7671.1
35°	8288.2	8270.1	8015.9	7534.9	6974.5	6890.6	6634.2	6532.1	6591.1	7019.9	8394.9
37.5°	8948.5	8939.4	8721.6	8342.7	7764.1	7662.0	7373.9	7339.8	7328.5	7698.3	9272.9
40°	9561.1	9538.4	9311.5	9111.8	8683.0	8590.0	8335.9	8306.4	8220.1	8533.3	10266.7
42.5°	10239.5	10180.5	9851.5	9758.4	9642.7	9565.6	9413.6	9418.1	9227.5	9474.8	11319.4
45°	10793.1	10759.0	10421.0	10366.5	10491.3	10459.5	10591.1	10625.2	10255.3	10461.8	12413.0
47.5°	11387.5	11355.7	11069.9	11031.3	11369.4	11378.4	11843.5	11854.9	11258.2	11487.3	13508.9
50°	12120.4	12075.0	11791.4	11839.0	12217.9	12251.9	13102.8	13025.6	12181.6	12528.7	14595.7
52.5°	12603.6	12630.8	12569.6	12646.7	13164.0	13195.8	14341.6	14144.2	13096.0	13556.6	15662.1
55°	12959.8	13014.3	13204.9	13381.8	14162.3	14194.1	15510.1	15208.3	13853.8	14509.5	16664.9
57.5°	13418.1	13341.0	13697.2	14042.1	15110.7	15194.7	16646.8	16233.8	14525.4	15330.8	17352.4
60°	14076.1	14021.7	14298.5	14809.0	16172.6	16306.4	17849.3	17157.3	15017.7	15982.0	17486.2
62.5°	15410.2	15274.1	15317.2	15768.7	17511.2	17688.2	19206.1	17962.7	15262.7	16236.1	16769.3
65°	17404.6	17170.9	16953.1	17266.2	19396.6	19571.3	20737.6	18595.7	15172.0	15743.8	14865.7
67.5°	19916.2	19684.8	19417.1	19712.0	22173.8	22312.2	22627.5	18951.9	14457.3	13847.0	11500.9
70°	21987.7	21901.5	22221.4	23435.2	26609.4	26613.9	25050.7	18657.0	12499.3	9817.4	6654.6
72.5°	21713.2	21661.0	23346.8	27099.5	32199.9	32079.7	27344.5	16424.4	8419.8	4428.9	2493.5
75°	17813.0	18151.0	20762.5	27033.7	34207.9	34192.0	25940.1	10441.4	3482.7	1835.5	1288.7
77.5°	9552.0	10087.4	13479.4	19959.3	26704.7	27106.3	18237.2	3652.9	1495.2	1175.3	891.7
80°	3115.2	3582.6	5372.7	10162.3	17352.4	17277.5	7816.3	1433.9	1023.3	832.7	617.1
82.5°	1322.8	1377.2	2400.5	4798.7	8905.3	8766.9	2489.0	823.6	719.2	569.5	381.2
85°	517.3	578.6	1059.6	2219.0	3857.1	3773.1	898.5	408.4	460.6	372.1	226.9
87.5°	170.2	206.5	378.9	760.1	1200.2	1157.1	220.1	140.7	199.7	170.2	81.7
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: P941949

CATALOG NUMBER: GALN-SB5D-722-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5592.8	5592.8	5592.8	5592.8	5592.8	5592.8	5592.8	5592.8	5592.8	5592.8	5592.8
2.5°	5640.4	5676.7	5719.8	5783.4	5837.8	5883.2	5930.8	5960.3	5971.7	6005.7	6003.5
5°	5681.3	5760.7	5867.3	5971.7	6073.8	6135.0	6189.5	6216.7	6241.7	6259.8	6264.4
7.5°	5749.3	5851.4	6019.3	6155.5	6241.7	6291.6	6327.9	6318.8	6327.9	6332.4	6339.2
10°	5808.3	5951.3	6150.9	6280.3	6346.1	6348.3	6339.2	6307.5	6291.6	6293.9	6298.4
12.5°	5878.7	6037.5	6253.0	6361.9	6380.1	6330.2	6291.6	6237.1	6216.7	6207.7	6203.1
15°	5974.0	6155.5	6364.2	6405.0	6359.7	6296.1	6230.3	6141.9	6096.5	6060.2	6071.5
17.5°	6089.7	6289.3	6450.4	6420.9	6323.4	6219.0	6112.4	5978.5	5885.5	5846.9	5849.2
20°	6250.8	6430.0	6516.2	6386.9	6239.4	6080.6	5899.1	5735.7	5649.5	5610.9	5606.4
22.5°	6445.9	6618.3	6579.7	6327.9	6119.2	5865.1	5638.2	5517.9	5474.8	5447.6	5452.1
25°	6679.6	6827.1	6625.1	6241.7	5921.8	5579.2	5404.5	5365.9	5345.5	5325.1	5325.1
27.5°	6983.6	7063.0	6659.2	6114.6	5613.2	5275.1	5211.6	5218.4	5211.6	5177.6	5184.4
30°	7385.2	7369.3	6690.9	5908.2	5259.3	5000.6	5005.1	5034.6	5039.2	5016.5	5027.8
32.5°	7913.8	7752.8	6706.8	5640.4	4921.2	4760.1	4764.6	4796.4	4819.1	4780.5	4798.7
35°	8553.7	8199.7	6681.8	5304.6	4660.3	4531.0	4496.9	4506.0	4512.8	4476.5	4501.5
37.5°	9300.1	8701.2	6570.7	4932.5	4444.7	4306.3	4233.7	4172.5	4136.2	4102.1	4124.8
40°	10119.2	9248.0	6366.5	4569.5	4204.2	4068.1	3959.2	3843.5	3721.0	3675.6	3696.0
42.5°	10976.8	9810.6	6119.2	4222.4	3927.4	3816.3	3700.5	3532.6	3348.9	3255.8	3267.2
45°	11866.2	10386.9	5876.4	3879.8	3643.8	3596.2	3462.3	3260.4	3060.7	2942.7	2933.7
47.5°	12737.5	10931.5	5520.2	3534.9	3378.4	3430.5	3326.2	3140.1	2917.8	2731.7	2711.3
50°	13570.2	11442.0	4937.1	3185.5	3162.8	3380.6	3280.8	3013.1	2759.0	2520.7	2500.3
52.5°	14396.0	11854.9	4190.6	2867.9	3047.1	3367.0	3221.8	2926.9	2616.0	2366.4	2339.2
55°	15097.1	12068.2	3471.4	2595.6	2879.2	3251.3	3151.5	2824.8	2414.1	2148.6	2125.9
57.5°	15496.4	11895.7	2872.4	2327.9	2647.8	3060.7	3031.2	2606.9	2173.6	1969.4	1942.2
60°	15324.0	11196.9	2382.3	2094.2	2427.7	2854.2	2822.5	2391.4	1989.8	1797.0	1769.7
62.5°	14373.3	9865.1	1994.3	1890.0	2228.0	2643.2	2613.7	2225.8	1849.1	1663.1	1633.6
65°	12458.4	8025.0	1692.6	1719.8	2026.1	2389.1	2432.2	2087.4	1738.0	1556.5	1527.0
67.5°	9502.1	5812.9	1456.6	1572.3	1828.7	2139.6	2264.3	1987.5	1644.9	1472.5	1445.3
70°	5415.8	3301.2	1257.0	1429.4	1654.0	1908.1	2135.0	1908.1	1545.1	1402.2	1384.0
72.5°	2053.3	1515.6	1086.8	1286.5	1486.1	1713.0	1992.1	1783.3	1429.4	1322.8	1304.6
75°	1095.9	923.4	914.4	1118.6	1293.3	1522.4	1812.8	1660.8	1343.2	1397.6	1443.0
77.5°	746.5	653.4	764.6	957.5	1082.3	1311.4	1622.2	1474.8	1163.9	1159.4	1068.6
80°	517.3	462.9	621.7	771.4	837.2	1102.7	1415.8	1266.0	948.4	884.9	846.3
82.5°	310.8	301.8	465.1	576.3	592.2	850.8	1173.0	1061.8	776.0	676.1	680.7
85°	170.2	179.2	297.2	338.1	344.9	594.4	918.9	821.3	596.7	501.4	506.0
87.5°	47.6	61.3	108.9	133.9	165.6	308.6	546.8	487.8	299.5	208.7	208.7
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)